Linux Standard Base Desktop Specification 3.1

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Foreword

This is version 3.1 of the LSB-Desktop Module Specification. This specification is part of a family of specifications under the general title"Linux Standard Base". Developers of applications or implementations interested in using the LSB trademark should see the Free Standards Group Certification Policy for details.

Introduction

The LSB-Desktop Module defines components that are required to be present on an LSB conforming system.

This document should be used in conjunction with the documents it references. Information referenced in this way is as much a part of this document as is the information explicitly included here.

I Introductory Elements

1 Scope

The LSB Desktop module defines components found on an LSB conforming system.

2 References

2.1 Normative References

The specifications listed below are referenced in whole or in part by the LSB-Desktop Module Standard. Such references may be normative or informative; a reference to specification shall only be considered normative if it is explicitly cited as such. The LSB-Desktop Module may make normative references to a portion of these specifications (that is, to define a specific function or group of functions); in such cases, only the explicitly referenced portion of the specification is to be considered normative.

Table 2-1 Normative References

Name	Title	URL
ATK 1.9.0 Reference Manual	ATK 1.9.0 Reference Manual	http://www.gtk.org/api/2.6/atk/index.html
Double Buffer Extension Library	Double Buffer Extension Library - Protocol Version 1.0	http://refspecs.freestandards.org/X11/dbelib.pdf
Fontconfig Developers Reference	Fontconfig Developers Reference, Version 2.3.0	http://fontconfig.org/fontconfig-devel/
Gdk 2.6.2 Reference Manual	Gdk 2.6.2 Reference Manual	http://www.gtk.org/api/2.6/gdk/index.html
Gdk-pixbuf 2.6.2 Reference Manual	Gdk-pixbuf 2.6.2 Reference Manual	http://www.gtk.org/api/2.6/gdk-pixbuf/index.html
Glib 2.6.2 Reference Manual	Glib 2.6.2 Reference Manual	http://www.gtk.org/api/2.6/glib/index.html
Gobject 2.6.2 Reference Manual	Gobject 2.6.2 Reference Manual	http://www.gtk.org/api/2.6/gobject/index.html
Gtk 2.6.2 Reference Manual	Gtk 2.6.2 Reference Manual	http://www.gtk.org/api/2.6/gtk/index.html
ISO C (1999)	ISO/IEC 9899: 1999, Programming Languages --C	
OpenGL	OpenGL Application Binary Interface for Linux	http://oss.sgi.com/projects/ogl-sample/ABI/
Pango 1.8.0 Reference Manual	Pango 1.8.0 Reference Manual	http://www.gtk.org/api/2.6/pango/index.html
Qt 3.3.6	Qt 3.3.6 Reference Manual	http://doc.trolltech.com/3.3/index.html
Reference Manual for	Reference Manual for	http://xmlsoft.org/ht

Name	Title	URL
libxml2	libxml2	ml/index.html
The MIT Shared Memory Extension	MIT-SHM - The MIT Shared Memory Extension - X version 11, Release 5	http://refspecs.freestandards.org/X11/mit-shm.pdf
X Display Power Management Signaling	X Display Power Management Signaling (DPMS) Extension - Library Specificationi - Version 1.0	http://refspecs.freestandards.org/X11/DPMSlib.pdf
X Extended Visual Interface Extension	Extended Visual Information Extension - Version 1.0	http://refspecs.freestandards.org/X11/evi.pdf
X Nonrectangular Window Shape Extension Library	X Nonrectangular Window Shape Extension Library - Version 1.0	http://refspecs.freestandards.org/X11/shapelib.pdf
X Record Extension Library	X Record Extension Library - Version 1.13	http://refspecs.freestandards.org/X11/recordlib.pdf
X Security Extension Specification	Security Extension Specification - Version 7.1	http://refspecs.freestandards.org/X11/security.pdf
X Synchronization Extension Library	X Synchronization Extension Library - Version 3.0	http://refspecs.freestandards.org/X11/synclib.pdf
X11 C Library	Xlib - C Language X Interface - X Version 11 Release 6.4	http://refspecs.freestandards.org/X11/xlib.pdf
X11 Input Library	X Input Device Extension Library - X Version 11, Release 6.4	http://refspecs.freestandards.org/X11/Xinput.pdf
X11 Inter-Client Exchange	Inter-Client Exchange Library - Version 1.0	http://refspecs.freestandards.org/X11/ICElib.pdf
X11 Session Management	X Session Management Library - Version 1.0	http://refspecs.freestandards.org/X11/SMlib.pdf
X11 Toolkit Intrinsics	X Toolkit Intrinsics - C Language Interface - X Version 11, Release 6.4	http://refspecs.freestandards.org/X11/intrinsics.pdf

2.2 Informative References/Bibliography

In addition, the specifications listed below provide essential background information to implementors of this specification. These references are included for information only.

Table 2-2 Other References

Name	Title	URL
A description on how to use and modify libpng	A description on how to use and modify libpng	http://www.libpng.org/pub/png/libpng-1.2.5-manual.html
Independent JPEG Group	Independent JPEG Group	http://www.ijg.org/

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3 Requirements

3.1 Relevant Libraries

The libraries listed in Table 3-1 shall be available on a Linux Standard Base - Desktop system, with the specified runtime names. This list may be supplemented or amended by the architecture-specific specification.

Table 3-1 Standard Library Names

Library	Runtime Name
libX11	libX11.so.6
libXt	libXt.so.6
libGL	libGL.so.1
libXext	libXext.so.6
libICE	libICE.so.6
libSM	libSM.so.6
libXi	libXi.so.6
libfontconfig	libfontconfig.so.1
libpng12	libpng12.so.0
libjpeg	libjpeg.so.62
libglib-2.0	libglib-2.0.so.0
libgobject-2.0	libgobject-2.0.so.0
libgmodule-2.0	libgmodule-2.0.so.0
libgthread-2.0	libgthread-2.0.so.0
libatk-1.0	libatk-1.0.so.0
libpango-1.0	libpango-1.0.so.0
libpangoxft-1.0	libpangoxft-1.0.so.0
libpangoft2-1.0	libpangoft2-1.0.so.0
libgdk_pixbuf-2.0	libgdk_pixbuf-2.0.so.0
libgdk_pixbuf_xlib-2.0	libgdk_pixbuf_xlib-2.0.so.0
libgdk-x11-2.0	libgdk-x11-2.0.so.0
libgtk-x11-2.0	libgtk-x11-2.0.so.0
libqt-mt	libqt-mt.so.3
libxml2	libxml2.so.2

These libraries will be in an implementation-defined directory which the dynamic linker shall search by default.

4 Definitions

For the purposes of this document, the following definitions, as specified in the *ISO/IEC Directives, Part 2, 2001, 4th Edition*, apply:

can

be able to; there is a possibility of; it is possible to

cannot

be unable to; there is no possibilty of; it is not possible to

may

is permitted; is allowed; is permissible

need not

it is not required that; no...is required

shall

is to; is required to; it is required that; has to; only...is permitted; it is necessary

shall not

is not allowed [permitted] [acceptable] [permissible]; is required to be not; is required that...be not; is not to be

should

it is recommended that; ought to

should not

it is not recommended that; ought not to

5 Terminology

For the purposes of this document, the following terms apply:

implementation-defined

Describes a value or behavior that is not defined by this document but is selected by an implementor. The value or behavior may vary among implementations that conform to this document. An application should not rely on the existence of the value or behavior. An application that relies on such a value or behavior cannot be assured to be portable across conforming implementations. The implementor shall document such a value or behavior so that it can be used correctly by an application.

Shell Script

A file that is read by an interpreter (e.g., awk). The first line of the shell script includes a reference to its interpreter binary.

undefined

Describes the nature of a value or behavior not defined by this document which results from use of an invalid program construct or invalid data input. The value or behavior may vary among implementations that conform to this document. An application should not rely on the existence or validity of the value or behavior. An application that relies on any particular value or behavior cannot be assured to be portable across conforming implementations.

unspecified

Describes the nature of a value or behavior not specified by this document which results from use of a valid program construct or valid data input. The value or behavior may vary among implementations that conform to this document. An application should not rely on the existence or validity of the value or behavior. An application that relies on any particular value or behavior cannot be assured to be portable across conforming implementations.

II Graphic Libraries

6 Libraries

The X Libraries should be built thread-safe.

6.1 Interfaces for libX11

Table 6-1 defines the library name and shared object name for the libX11 library

Table 6-1 libX11 Definition

Library:	libX11
SONAME:	libX11.so.6

The behavior of the interfaces in this library is specified by the following specifications:

[LSB] This Specification
[Xlib] X11 C Library

6.1.1 X Windows System Interface

6.1.1.1 Interfaces for X Windows System Interface

An LSB conforming implementation shall provide the generic functions for X Windows System Interface specified in Table 6-2, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-2 libX11 - X Windows System Interface Function Interfaces

XActivateScreenSaver [Xlib]	XAddConnectionWatch [Xlib]	XAddExtension [Xlib]	XAddHost [Xlib]
XAddHosts [Xlib]	XAddPixel [Xlib]	XAddToExtensionList [Xlib]	XAddToSaveSet [Xlib]
XAllPlanes [Xlib]	XAllocClassHint [Xlib]	XAllocColor [Xlib]	XAllocColorCells [Xlib]
XAllocColorPlanes [Xlib]	XAllocIconSize [Xlib]	XAllocNamedColor [Xlib]	XAllocSizeHints [Xlib]
XAllocStandardColormap [Xlib]	XAllocWMHints [Xlib]	XAllowEvents [Xlib]	XAutoRepeatOff [Xlib]
XAutoRepeatOn [Xlib]	XBaseFontNameListOfFontSet [Xlib]	XBell [Xlib]	XBitmapBitOrder [Xlib]
XBitmapPad [Xlib]	XBitmapUnit [Xlib]	XBlackPixel [Xlib]	XBlackPixelOfScreen [Xlib]
XCellsOfScreen [Xlib]	XChangeActivePointerGrab [Xlib]	XChangeGC [Xlib]	XChangeKeyboardControl [Xlib]
XChangeKeyboardMapping [Xlib]	XChangePointerControl [Xlib]	XChangeProperty [Xlib]	XChangeSaveSet [Xlib]
XChangeWindo	XCheckIfEvent	XCheckMaskEve	XCheckTypedEv

wAttributes [Xlib]	[Xlib]	nt [Xlib]	ent [Xlib]
XCheckTypedWindowEvent [Xlib]	XCheckWindowEvent [Xlib]	XCirculateSubwindows [Xlib]	XCirculateSubwindowsDown [Xlib]
XCirculateSubwindowsUp [Xlib]	XClearArea [Xlib]	XClearWindow [Xlib]	XClipBox [Xlib]
XCloseDisplay [Xlib]	XCloseIM [Xlib]	XCloseOM [Xlib]	XConfigureWindow [Xlib]
XConnectionNumber [Xlib]	XContextDependentDrawing [Xlib]	XContextualDrawing [Xlib]	XConvertCase [Xlib]
XConvertSelection [Xlib]	XCopyArea [Xlib]	XCopyColormapAndFree [Xlib]	XCopyGC [Xlib]
XCopyPlane [Xlib]	XCreateBitmapFromData [Xlib]	XCreateColormap [Xlib]	XCreateFontCursor [Xlib]
XCreateFontSet [Xlib]	XCreateGC [Xlib]	XCreateGlyphCursor [Xlib]	XCreateIC [Xlib]
XCreateImage [Xlib]	XCreateOC [Xlib]	XCreatePixmap [Xlib]	XCreatePixmapCursor [Xlib]
XCreatePixmapFromBitmapData [Xlib]	XCreateRegion [Xlib]	XCreateSimpleWindow [Xlib]	XCreateWindow [Xlib]
XDefaultColormap [Xlib]	XDefaultColormapOfScreen [Xlib]	XDefaultDepth [Xlib]	XDefaultDepthOfScreen [Xlib]
XDefaultGC [Xlib]	XDefaultGCOfScreen [Xlib]	XDefaultRootWindow [Xlib]	XDefaultScreen [Xlib]
XDefaultScreenOfDisplay [Xlib]	XDefaultString [Xlib]	XDefaultVisual [Xlib]	XDefaultVisualOfScreen [Xlib]
XDefineCursor [Xlib]	XDeleteContext [Xlib]	XDeleteModifiermapEntry [Xlib]	XDeleteProperty [Xlib]
XDestroyIC [Xlib]	XDestroyImage [Xlib]	XDestroyOC [Xlib]	XDestroyRegion [Xlib]
XDestroySubwindows [Xlib]	XDestroyWindow [Xlib]	XDirectionalDependentDrawing [Xlib]	XDisableAccessControl [Xlib]
XDisplayCells [Xlib]	XDisplayHeight [Xlib]	XDisplayHeightMM [Xlib]	XDisplayKeycodes [Xlib]
XDisplayMotionBufferSize [Xlib]	XDisplayName [Xlib]	XDisplayOfIM [Xlib]	XDisplayOfOM [Xlib]
XDisplayOfScreen [Xlib]	XDisplayPlanes [Xlib]	XDisplayString [Xlib]	XDisplayWidth [Xlib]

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XDisplayWidthMM [Xlib]	XDoesBackingStore [Xlib]	XDoesSaveUnders [Xlib]	XDrawArc [Xlib]
XDrawArcs [Xlib]	XDrawImageString [Xlib]	XDrawImageString16 [Xlib]	XDrawLine [Xlib]
XDrawLines [Xlib]	XDrawPoint [Xlib]	XDrawPoints [Xlib]	XDrawRectangle [Xlib]
XDrawRectangles [Xlib]	XDrawSegments [Xlib]	XDrawString [Xlib]	XDrawString16 [Xlib]
XDrawText [Xlib]	XDrawText16 [Xlib]	XEHeadOfExtensionList [Xlib]	XESetBeforeFlush [Xlib]
XESetCloseDisplay [Xlib]	XESetCopyGC [Xlib]	XESetCreateFont [Xlib]	XESetCreateGC [Xlib]
XESetError [Xlib]	XESetErrorString [Xlib]	XESetEventToWire [Xlib]	XESetFlushGC [Xlib]
XESetFreeFont [Xlib]	XESetFreeGC [Xlib]	XESetPrintErrorValues [Xlib]	XESetWireToError [Xlib]
XESetWireToEvent [Xlib]	XEmptyRegion [Xlib]	XEnableAccessControl [Xlib]	XEqualRegion [Xlib]
XEventMaskOfScreen [Xlib]	XEventsQueued [Xlib]	XExtendedMaxRequestSize [Xlib]	XExtentsOfFontSet [Xlib]
XFetchBuffer [Xlib]	XFetchBytes [Xlib]	XFetchName [Xlib]	XFillArc [Xlib]
XFillArcs [Xlib]	XFillPolygon [Xlib]	XFillRectangle [Xlib]	XFillRectangles [Xlib]
XFilterEvent [Xlib]	XFindContext [Xlib]	XFindOnExtensionList [Xlib]	XFlush [Xlib]
XFlushGC [Xlib]	XFontsOfFontSet [Xlib]	XForceScreenSaver [Xlib]	XFree [Xlib]
XFreeColormap [Xlib]	XFreeColors [Xlib]	XFreeCursor [Xlib]	XFreeExtensionList [Xlib]
XFreeFont [Xlib]	XFreeFontInfo [Xlib]	XFreeFontNames [Xlib]	XFreeFontPath [Xlib]
XFreeFontSet [Xlib]	XFreeGC [Xlib]	XFreeModifiermap [Xlib]	XFreePixmap [Xlib]
XFreeStringList [Xlib]	XGContextFromGC [Xlib]	XGeometry [Xlib]	XGetAtomName [Xlib]
XGetAtomNames [Xlib]	XGetClassHint [Xlib]	XGetCommand [Xlib]	XGetDefault [Xlib]
XGetErrorDatabaseText [Xlib]	XGetErrorText [Xlib]	XGetFontPath [Xlib]	XGetFontProperty [Xlib]
XGetGCValues [Xlib]	XGetGeometry [Xlib]	XGetICValues [Xlib]	XGetIMValues [Xlib]

XGetIconName [Xlib]	XGetIconSizes [Xlib]	XGetImage [Xlib]	XGetInputFocus [Xlib]
XGetKeyboardControl [Xlib]	XGetKeyboardMapping [Xlib]	XGetModifierMapping [Xlib]	XGetMotionEvents [Xlib]
XGetNormalHints [Xlib]	XGetOCValues [Xlib]	XGetOMValues [Xlib]	XGetPixel [Xlib]
XGetPointerControl [Xlib]	XGetPointerMapping [Xlib]	XGetRGBColormaps [Xlib]	XGetScreenSaver [Xlib]
XGetSelectionOwner [Xlib]	XGetSizeHints [Xlib]	XGetStandardColormap [Xlib]	XGetSubImage [Xlib]
XGetTextProperty [Xlib]	XGetTransientForHint [Xlib]	XGetVisualInfo [Xlib]	XGetWMClientMachine [Xlib]
XGetWMColormapWindows [Xlib]	XGetWMHints [Xlib]	XGetWMIconName [Xlib]	XGetWMName [Xlib]
XGetWMNormalHints [Xlib]	XGetWMProtocols [Xlib]	XGetWMSizeHints [Xlib]	XGetWindowAttributes [Xlib]
XGetWindowProperty [Xlib]	XGetZoomHints [Xlib]	XGrabButton [Xlib]	XGrabKey [Xlib]
XGrabKeyboard [Xlib]	XGrabPointer [Xlib]	XGrabServer [Xlib]	XHeightMMOfScreen [Xlib]
XHeightOfScreen [Xlib]	XIMOfIC [Xlib]	XIconifyWindow [Xlib]	XIfEvent [Xlib]
XImageByteOrder [Xlib]	XInitExtension [Xlib]	XInitImage [Xlib]	XInitThreads [Xlib]
XInsertModifiermapEntry [Xlib]	XInstallColormap [Xlib]	XInternAtom [Xlib]	XInternAtoms [Xlib]
XInternalConnectionNumbers [Xlib]	XIntersectRegion [Xlib]	XKeycodeToKeysym [Xlib]	XKeysymToKeycode [Xlib]
XKeysymToString [Xlib]	XKillClient [Xlib]	XLastKnownRequestProcessed [Xlib]	XListDepths [Xlib]
XListExtensions [Xlib]	XListFonts [Xlib]	XListFontsWithInfo [Xlib]	XListHosts [Xlib]
XListInstalledColormaps [Xlib]	XListPixmapFormats [Xlib]	XListProperties [Xlib]	XLoadFont [Xlib]
XLoadQueryFont [Xlib]	XLocaleOfFontSet [Xlib]	XLocaleOfIM [Xlib]	XLocaleOfOM [Xlib]
XLockDisplay [Xlib]	XLookupColor [Xlib]	XLookupKeysym [Xlib]	XLookupString [Xlib]
XLowerWindow [Xlib]	XMapRaised [Xlib]	XMapSubwindows [Xlib]	XMapWindow [Xlib]

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XMaskEvent [Xlib]	XMatchVisualInfo [Xlib]	XMaxCmapsOfScreen [Xlib]	XMaxRequestSize [Xlib]
XMinCmapsOfScreen [Xlib]	XMoveResizeWindow [Xlib]	XMoveWindow [Xlib]	XNewModifiermap [Xlib]
XNextEvent [Xlib]	XNextRequest [Xlib]	XNoOp [Xlib]	XOMOfOC [Xlib]
XOffsetRegion [Xlib]	XOpenDisplay [Xlib]	XOpenIM [Xlib]	XOpenOM [Xlib]
XParseColor [Xlib]	XParseGeometry [Xlib]	XPeekEvent [Xlib]	XPeekIfEvent [Xlib]
XPending [Xlib]	XPlanesOfScreen [Xlib]	XPointInRegion [Xlib]	XPolygonRegion [Xlib]
XProcessInternalConnection [Xlib]	XProtocolRevision [Xlib]	XProtocolVersion [Xlib]	XPutBackEvent [Xlib]
XPutImage [Xlib]	XPutPixel [Xlib]	XQLength [Xlib]	XQueryBestCursor [Xlib]
XQueryBestSize [Xlib]	XQueryBestStipple [Xlib]	XQueryBestTile [Xlib]	XQueryColor [Xlib]
XQueryColors [Xlib]	XQueryExtension [Xlib]	XQueryFont [Xlib]	XQueryKeymap [Xlib]
XQueryPointer [Xlib]	XQueryTextExtents [Xlib]	XQueryTextExtents16 [Xlib]	XQueryTree [Xlib]
XRaiseWindow [Xlib]	XReadBitmapFile [Xlib]	XReadBitmapFileData [Xlib]	XRebindKeysym [Xlib]
XRecolorCursor [Xlib]	XReconfigureWMWindow [Xlib]	XRectInRegion [Xlib]	XRefreshKeyboardMapping [Xlib]
XRegisterIMInstantiateCallback [Xlib]	XRemoveConnectionWatch [Xlib]	XRemoveFromSaveSet [Xlib]	XRemoveHost [Xlib]
XRemoveHosts [Xlib]	XReparentWindow [Xlib]	XResetScreenSaver [Xlib]	XResizeWindow [Xlib]
XResourceManagerString [Xlib]	XRestackWindows [Xlib]	XRootWindow [Xlib]	XRootWindowOfScreen [Xlib]
XRotateBuffers [Xlib]	XRotateWindowProperties [Xlib]	XSaveContext [Xlib]	XScreenCount [Xlib]
XScreenNumberOfScreen [Xlib]	XScreenOfDisplay [Xlib]	XScreenResourceString [Xlib]	XSelectInput [Xlib]
XSendEvent [Xlib]	XServerVendor [Xlib]	XSetAccessControl [Xlib]	XSetArcMode [Xlib]
XSetAuthorization [Xlib]	XSetBackground [Xlib]	XSetClassHint [Xlib]	XSetClipMask [Xlib]

XSetClipOrigin [Xlib]	XSetClipRectangles [Xlib]	XSetCloseDownMode [Xlib]	XSetCommand [Xlib]
XSetDashes [Xlib]	XSetErrorHandler [Xlib]	XSetFillRule [Xlib]	XSetFillStyle [Xlib]
XSetFont [Xlib]	XSetFontPath [Xlib]	XSetForeground [Xlib]	XSetFunction [Xlib]
XSetGraphicsExposures [Xlib]	XSetICFocus [Xlib]	XSetICValues [Xlib]	XSetIMValues [Xlib]
XSetIOErrorHandler [Xlib]	XSetIconName [Xlib]	XSetIconSizes [Xlib]	XSetInputFocus [Xlib]
XSetLineAttributes [Xlib]	XSetLocaleModifiers [Xlib]	XSetModifierMapping [Xlib]	XSetNormalHints [Xlib]
XSetOCValues [Xlib]	XSetOMValues [Xlib]	XSetPlaneMask [Xlib]	XSetPointerMapping [Xlib]
XSetRGBColormaps [Xlib]	XSetRegion [Xlib]	XSetScreenSaver [Xlib]	XSetSelectionOwner [Xlib]
XSetSizeHints [Xlib]	XSetStandardColormap [Xlib]	XSetStandardProperties [Xlib]	XSetState [Xlib]
XSetStipple [Xlib]	XSetSubwindowMode [Xlib]	XSetTSOrigin [Xlib]	XSetTextProperty [Xlib]
XSetTile [Xlib]	XSetTransientForHint [Xlib]	XSetWMClientMachine [Xlib]	XSetWMColormapWindows [Xlib]
XSetWMHints [Xlib]	XSetWMIconName [Xlib]	XSetWMName [Xlib]	XSetWMNormalHints [Xlib]
XSetWMProperties [Xlib]	XSetWMProtocols [Xlib]	XSetWMSizeHints [Xlib]	XSetWindowBackground [Xlib]
XSetWindowBackgroundPixmap [Xlib]	XSetWindowBorder [Xlib]	XSetWindowBorderPixmap [Xlib]	XSetWindowBorderWidth [Xlib]
XSetWindowColormap [Xlib]	XSetZoomHints [Xlib]	XShrinkRegion [Xlib]	XStoreBuffer [Xlib]
XStoreBytes [Xlib]	XStoreColor [Xlib]	XStoreColors [Xlib]	XStoreName [Xlib]
XStoreNamedColor [Xlib]	XStringListToTextProperty [Xlib]	XStringToKeysym [Xlib]	XSubImage [Xlib]
XSubtractRegion [Xlib]	XSupportsLocale [Xlib]	XSync [Xlib]	XTextExtents [Xlib]
XTextExtents16 [Xlib]	XTextPropertyToStringList [Xlib]	XTextWidth [Xlib]	XTextWidth16 [Xlib]
XTranslateCoordinates [Xlib]	XUndefineCursor [Xlib]	XUngrabButton [Xlib]	XUngrabKey [Xlib]
XUngrabKeyboa	XUngrabPointer	XUngrabServer	XUninstallColor

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rd [Xlib]	[Xlib]	[Xlib]	map [Xlib]
XUnionRectWithRegion [Xlib]	XUnionRegion [Xlib]	XUnloadFont [Xlib]	XUnlockDisplay [Xlib]
XUnmapSubwindows [Xlib]	XUnmapWindow [Xlib]	XUnregisterIMInstantiateCallback [Xlib]	XUnsetICFocus [Xlib]
XVaCreateNestedList [Xlib]	XVendorRelease [Xlib]	XVisualIDFromVisual [Xlib]	XWMGeometry [Xlib]
XWarpPointer [Xlib]	XWhitePixel [Xlib]	XWhitePixelOfScreen [Xlib]	XWidthMMOfScreen [Xlib]
XWidthOfScreen [Xlib]	XWindowEvent [Xlib]	XWithdrawWindow [Xlib]	XWriteBitmapFile [Xlib]
XXorRegion [Xlib]	XauDisposeAuth [Xlib]	XauFileName [Xlib]	XauGetBestAuthByAddr [Xlib]
XauReadAuth [Xlib]	XcmsAddColorSpace [Xlib]	XcmsAddFunctionSet [Xlib]	XcmsAllocColor [Xlib]
XcmsAllocNamedColor [Xlib]	XcmsCCCOfColormap [Xlib]	XcmsCIELabClipL [Xlib]	XcmsCIELabClipLab [Xlib]
XcmsCIELabClipab [Xlib]	XcmsCIELabQueryMaxC [Xlib]	XcmsCIELabQueryMaxL [Xlib]	XcmsCIELabQueryMaxLC [Xlib]
XcmsCIELabQueryMinL [Xlib]	XcmsCIELabToCIEXYZ [Xlib]	XcmsCIELabWhiteShiftColors [Xlib]	XcmsCIELuvClipL [Xlib]
XcmsCIELuvClipLuv [Xlib]	XcmsCIELuvClipuv [Xlib]	XcmsCIELuvQueryMaxC [Xlib]	XcmsCIELuvQueryMaxL [Xlib]
XcmsCIELuvQueryMaxLC [Xlib]	XcmsCIELuvQueryMinL [Xlib]	XcmsCIELuvToCIEuvY [Xlib]	XcmsCIELuvWhiteShiftColors [Xlib]
XcmsCIEXYZToCIELab [Xlib]	XcmsCIEXYZToCIEuvY [Xlib]	XcmsCIEXYZToCIExyY [Xlib]	XcmsCIEXYZToRGBi [Xlib]
XcmsCIEuvYToCIELuv [Xlib]	XcmsCIEuvYToCIEXYZ [Xlib]	XcmsCIEuvYToTekHVC [Xlib]	XcmsCIExyYToCIEXYZ [Xlib]
XcmsClientWhitePointOfCCC [Xlib]	XcmsConvertColors [Xlib]	XcmsCreateCCC [Xlib]	XcmsDefaultCCC [Xlib]
XcmsDisplayOfCCC [Xlib]	XcmsFormatOfPrefix [Xlib]	XcmsFreeCCC [Xlib]	XcmsLookupColor [Xlib]
XcmsPrefixOfFormat [Xlib]	XcmsQueryBlack [Xlib]	XcmsQueryBlue [Xlib]	XcmsQueryColor [Xlib]
XcmsQueryColors [Xlib]	XcmsQueryGreen [Xlib]	XcmsQueryRed [Xlib]	XcmsQueryWhite [Xlib]
XcmsRGBToRGBi [Xlib]	XcmsRGBiToCIEXYZ [Xlib]	XcmsRGBiToRGB [Xlib]	XcmsScreenNumberOfCCC [Xlib]

XcmsScreenWhitePointOfCCC [Xlib]	XcmsSetCCCOfColormap [Xlib]	XcmsSetCompressionProc [Xlib]	XcmsSetWhiteAdjustProc [Xlib]
XcmsSetWhitePoint [Xlib]	XcmsStoreColor [Xlib]	XcmsStoreColors [Xlib]	XcmsTekHVCClipC [Xlib]
XcmsTekHVCClipV [Xlib]	XcmsTekHVCClipVC [Xlib]	XcmsTekHVCQueryMaxC [Xlib]	XcmsTekHVCQueryMaxV [Xlib]
XcmsTekHVCQueryMaxVC [Xlib]	XcmsTekHVCQueryMaxVSamples [Xlib]	XcmsTekHVCQueryMinV [Xlib]	XcmsTekHVCToCIEuvY [Xlib]
XcmsTekHVCWhiteShiftColors [Xlib]	XcmsVisualOfCCC [Xlib]	XkbAllocClientMap [Xlib]	XkbAllocCompatMap [Xlib]
XkbAllocControls [Xlib]	XkbAllocGeomColors [Xlib]	XkbAllocGeomDoodads [Xlib]	XkbAllocGeomKeyAliases [Xlib]
XkbAllocGeomKeys [Xlib]	XkbAllocGeomOutlines [Xlib]	XkbAllocGeomOverlayKeys [Xlib]	XkbAllocGeomOverlayRows [Xlib]
XkbAllocGeomOverlays [Xlib]	XkbAllocGeomPoints [Xlib]	XkbAllocGeomProps [Xlib]	XkbAllocGeomRows [Xlib]
XkbAllocGeomSectionDoodads [Xlib]	XkbAllocGeomSections [Xlib]	XkbAllocGeomShapes [Xlib]	XkbAllocGeometry [Xlib]
XkbAllocIndicatorMaps [Xlib]	XkbAllocKeyboard [Xlib]	XkbAllocNames [Xlib]	XkbAllocServerMap [Xlib]
XkbApplyCompatMapToKey [Xlib]	XkbBell [Xlib]	XkbBellEvent [Xlib]	XkbChangeEnabledControls [Xlib]
XkbChangeMap [Xlib]	XkbChangeNames [Xlib]	XkbChangeTypesOfKey [Xlib]	XkbComputeEffectiveMap [Xlib]
XkbComputeRowBounds [Xlib]	XkbComputeSectionBounds [Xlib]	XkbComputeShapeBounds [Xlib]	XkbComputeShapeTop [Xlib]
XkbCopyKeyType [Xlib]	XkbCopyKeyTypes [Xlib]	XkbFindOverlayForKey [Xlib]	XkbForceBell [Xlib]
XkbFreeClientMap [Xlib]	XkbFreeCompatMap [Xlib]	XkbFreeComponentList [Xlib]	XkbFreeControls [Xlib]
XkbFreeGeomColors [Xlib]	XkbFreeGeomDoodads [Xlib]	XkbFreeGeomKeyAliases [Xlib]	XkbFreeGeomKeys [Xlib]
XkbFreeGeomOutlines [Xlib]	XkbFreeGeomOverlayKeys [Xlib]	XkbFreeGeomOverlayRows [Xlib]	XkbFreeGeomOverlays [Xlib]
XkbFreeGeomPoints [Xlib]	XkbFreeGeomProperties [Xlib]	XkbFreeGeomRows [Xlib]	XkbFreeGeomSections [Xlib]
XkbFreeGeomSh	XkbFreeGeometr	XkbFreeIndicator	XkbFreeKeyboar

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apes [Xlib]	y [Xlib]	Maps [Xlib]	d [Xlib]
XkbFreeNames [Xlib]	XkbFreeServerMap [Xlib]	XkbGetAutoRepeatRate [Xlib]	XkbGetCompatMap [Xlib]
XkbGetControls [Xlib]	XkbGetGeometry [Xlib]	XkbGetIndicatorMap [Xlib]	XkbGetIndicatorState [Xlib]
XkbGetKeyActions [Xlib]	XkbGetKeyBehaviors [Xlib]	XkbGetKeyExplicitComponents [Xlib]	XkbGetKeyModifierMap [Xlib]
XkbGetKeySyms [Xlib]	XkbGetKeyTypes [Xlib]	XkbGetKeyboard [Xlib]	XkbGetKeyboardByName [Xlib]
XkbGetMap [Xlib]	XkbGetMapChanges [Xlib]	XkbGetNamedGeometry [Xlib]	XkbGetNamedIndicator [Xlib]
XkbGetNames [Xlib]	XkbGetState [Xlib]	XkbGetUpdatedMap [Xlib]	XkbGetVirtualMods [Xlib]
XkbGetXlibControls [Xlib]	XkbIgnoreExtension [Xlib]	XkbInitCanonicalKeyTypes [Xlib]	XkbKeyTypesForCoreSymbols [Xlib]
XkbKeycodeToKeysym [Xlib]	XkbKeysymToModifiers [Xlib]	XkbLatchGroup [Xlib]	XkbLatchModifiers [Xlib]
XkbLibraryVersion [Xlib]	XkbListComponents [Xlib]	XkbLockGroup [Xlib]	XkbLockModifiers [Xlib]
XkbLookupKeyBinding [Xlib]	XkbLookupKeySym [Xlib]	XkbNoteControlsChanges [Xlib]	XkbNoteMapChanges [Xlib]
XkbNoteNameChanges [Xlib]	XkbOpenDisplay [Xlib]	XkbQueryExtension [Xlib]	XkbRefreshKeyboardMapping [Xlib]
XkbResizeKeyActions [Xlib]	XkbResizeKeySyms [Xlib]	XkbResizeKeyType [Xlib]	XkbSelectEventDetails [Xlib]
XkbSelectEvents [Xlib]	XkbSetAtomFuncs [Xlib]	XkbSetAutoRepeatRate [Xlib]	XkbSetAutoResetControls [Xlib]
XkbSetCompatMap [Xlib]	XkbSetControls [Xlib]	XkbSetDebuggingFlags [Xlib]	XkbSetDetectableAutoRepeat [Xlib]
XkbSetGeometry [Xlib]	XkbSetIgnoreLockMods [Xlib]	XkbSetIndicatorMap [Xlib]	XkbSetMap [Xlib]
XkbSetNamedIndicator [Xlib]	XkbSetNames [Xlib]	XkbSetServerInternalMods [Xlib]	XkbSetXlibControls [Xlib]
XkbToControl [Xlib]	XkbTranslateKeyCode [Xlib]	XkbTranslateKeySym [Xlib]	XkbUpdateMapFromCore [Xlib]
XkbUseExtension [Xlib]	XkbVirtualModsToReal [Xlib]	XmbDrawImageString [Xlib]	XmbDrawString [Xlib]
XmbDrawText [Xlib]	XmbLookupString [Xlib]	XmbResetIC [Xlib]	XmbSetWMProperties [Xlib]

XmbTextEscapement [Xlib]	XmbTextExtents [Xlib]	XmbTextListToTextProperty [Xlib]	XmbTextPerCharExtents [Xlib]
XmbTextPropertyToTextList [Xlib]	XrmCombineDatabase [Xlib]	XrmCombineFileDatabase [Xlib]	XrmDestroyDatabase [Xlib]
XrmEnumerateDatabase [Xlib]	XrmGetDatabase [Xlib]	XrmGetFileDatabase [Xlib]	XrmGetResource [Xlib]
XrmGetStringDatabase [Xlib]	XrmInitialize [Xlib]	XrmLocaleOfDatabase [Xlib]	XrmMergeDatabases [Xlib]
XrmParseCommand [Xlib]	XrmPermStringToQuark [Xlib]	XrmPutFileDatabase [Xlib]	XrmPutLineResource [Xlib]
XrmPutResource [Xlib]	XrmPutStringResource [Xlib]	XrmQGetResource [Xlib]	XrmQGetSearchList [Xlib]
XrmQGetSearchResource [Xlib]	XrmQPutResource [Xlib]	XrmQPutStringResource [Xlib]	XrmQuarkToString [Xlib]
XrmSetDatabase [Xlib]	XrmStringToBindingQuarkList [Xlib]	XrmStringToQuark [Xlib]	XrmStringToQuarkList [Xlib]
XrmUniqueQuark [Xlib]	Xutf8TextListToTextProperty [LSB]	Xutf8TextPropertyToTextList [LSB]	XwcDrawImageString [Xlib]
XwcDrawString [Xlib]	XwcDrawText [Xlib]	XwcFreeStringList [Xlib]	XwcLookupString [Xlib]
XwcResetIC [Xlib]	XwcTextEscapement [Xlib]	XwcTextExtents [Xlib]	XwcTextListToTextProperty [Xlib]
XwcTextPerCharExtents [Xlib]	XwcTextPropertyToTextList [Xlib]		

An LSB conforming implementation shall provide the generic data interfaces for X Windows System Interface specified in Table 6-3, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-3 libX11 - X Windows System Interface Data Interfaces

XSetAfterFunction [Xlib]	XSynchronize [Xlib]		

6.2 Data Definitions for libX11

This section defines global identifiers and their values that are associated with interfaces contained in libX11. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

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This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and application developers should use this ABI to supplement - not to replace - source interface definition specifications.

This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

6.2.1 X11/X.h

```
typedef unsigned long int XID;
typedef unsigned long int Atom;
typedef unsigned long int VisualID;
typedef unsigned long int Time;
typedef XID Window;
typedef XID Font;
typedef XID Pixmap;
typedef unsigned char KeyCode;
typedef XID Drawable;
typedef XID Cursor;
typedef XID Colormap;
typedef XID GContext;
typedef XID KeySym;

#define AllTemporary    0L
#define AnyButton       0L
#define AnyKey  0L
#define AnyPropertyType 0L
#define CopyFromParent  0L
#define CurrentTime     0L
#define NoSymbol        0L
#define None    0L
#define PointerWindow   0L
#define InputFocus      1L
#define ParentRelative  1L
#define PointerRoot     1L

#define KeyPressMask    (1L<<0)
#define KeyReleaseMask  (1L<<1)
#define Button3MotionMask       (1L<<10)
#define Button4MotionMask       (1L<<11)
#define Button5MotionMask       (1L<<12)
#define ButtonMotionMask        (1L<<13)
#define KeymapStateMask (1L<<14)
#define ExposureMask    (1L<<15)
#define VisibilityChangeMask    (1L<<16)
#define StructureNotifyMask     (1L<<17)
#define ResizeRedirectMask      (1L<<18)
#define SubstructureNotifyMask  (1L<<19)
#define ButtonPressMask (1L<<2)
#define SubstructureRedirectMask        (1L<<20)
#define FocusChangeMask (1L<<21)
#define PropertyChangeMask      (1L<<22)
#define ColormapChangeMask      (1L<<23)
#define ButtonReleaseMask       (1L<<3)
#define EnterWindowMask (1L<<4)
#define LeaveWindowMask (1L<<5)
#define PointerMotionMask       (1L<<6)
#define PointerMotionHintMask   (1L<<7)
#define Button1MotionMask       (1L<<8)
```

```
#define Button2MotionMask       (1L<<9)

#define NoEventMask     0L
#define FocusOut        10
#define KeymapNotify    11
#define Expose  12
#define GraphicsExpose  13
#define NoExpose        14
#define VisibilityNotify        15
#define CreateNotify    16
#define DestroyNotify   17
#define UnmapNotify     18
#define MapNotify       19
#define KeyPress        2
#define MapRequest      20
#define ReparentNotify  21
#define ConfigureNotify 22
#define ConfigureRequest        23
#define GravityNotify   24
#define ResizeRequest   25
#define CirculateNotify 26
#define CirculateRequest        27
#define PropertyNotify  28
#define SelectionClear  29
#define KeyRelease      3
#define SelectionRequest        30
#define SelectionNotify 31
#define ColormapNotify  32
#define ClientMessage   33
#define MappingNotify   34
#define LASTEvent       35
#define ButtonPress     4
#define ButtonRelease   5
#define MotionNotify    6
#define EnterNotify     7
#define LeaveNotify     8
#define FocusIn 9

#define ShiftMask       (1<<0)
#define LockMask        (1<<1)
#define ControlMask     (1<<2)
#define Mod1Mask        (1<<3)
#define Mod2Mask        (1<<4)
#define Mod3Mask        (1<<5)
#define Mod4Mask        (1<<6)
#define Mod5Mask        (1<<7)

#define ShiftMapIndex   0
#define LockMapIndex    1
#define ControlMapIndex 2
#define Mod1MapIndex    3
#define Mod2MapIndex    4
#define Mod3MapIndex    5
#define Mod4MapIndex    6
#define Mod5MapIndex    7

#define Button3Mask     (1<<10)
#define Button4Mask     (1<<11)
#define Button5Mask     (1<<12)
#define AnyModifier     (1<<15)
#define Button1Mask     (1<<8)
#define Button2Mask     (1<<9)

#define Button1 1
#define Button2 2
#define Button3 3
```

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```
#define Button4 4
#define Button5 5

#define NotifyNormal    0
#define NotifyGrab      1
#define NotifyHint      1
#define NotifyUngrab    2
#define NotifyWhileGrabbed      3

#define NotifyAncestor  0
#define NotifyVirtual   1
#define NotifyInferior  2
#define NotifyNonlinear 3
#define NotifyNonlinearVirtual  4
#define NotifyPointer   5
#define NotifyPointerRoot       6
#define NotifyDetailNone        7

#define VisibilityUnobscured    0
#define VisibilityPartiallyObscured     1
#define VisibilityFullyObscured 2

#define PlaceOnTop      0
#define PlaceOnBottom   1

#define FamilyInternet  0
#define FamilyDECnet    1
#define FamilyChaos     2

#define PropModeReplace 0
#define PropertyNewValue        0
#define PropertyDelete  1

#define ColormapUninstalled     0
#define ColormapInstalled       1

#define GrabModeSync    0
#define GrabModeAsync   1

#define GrabSuccess     0
#define AlreadyGrabbed  1
#define GrabInvalidTime 2
#define GrabNotViewable 3
#define GrabFrozen      4

#define AsyncPointer    0
#define SyncPointer     1
#define ReplayPointer   2
#define AsyncKeyboard   3
#define SyncKeyboard    4
#define ReplayKeyboard  5
#define AsyncBoth       6
#define SyncBoth        7

#define RevertToNone    (int)None
#define RevertToPointerRoot     (int)PointerRoot
#define RevertToParent  2

#define Success 0
#define BadRequest      1
#define BadAccess       10
#define BadAlloc        11
#define BadColor        12
#define FirstExtensionError     128
#define BadGC   13
#define BadIDChoice     14
```

```
#define BadName 15
#define BadLength       16
#define BadImplementation       17
#define BadValue        2
#define LastExtensionError      255
#define BadWindow       3
#define BadPixmap       4
#define BadAtom 5
#define BadCursor       6
#define BadFont 7
#define BadMatch        8
#define BadDrawable     9

#define CWX     (1<<0)
#define InputOutput     1
#define InputOnly       2

#define CWBackPixmap    (1L<<0)
#define CWBackPixel     (1L<<1)
#define CWSaveUnder     (1L<<10)
#define CWEventMask     (1L<<11)
#define CWDontPropagate (1L<<12)
#define CWColormap      (1L<<13)
#define CWCursor        (1L<<14)
#define CWBorderPixmap  (1L<<2)
#define CWBorderPixel   (1L<<3)
#define CWBitGravity    (1L<<4)
#define CWWinGravity    (1L<<5)
#define CWBackingStore  (1L<<6)
#define CWBackingPlanes (1L<<7)
#define CWBackingPixel  (1L<<8)
#define CWOverrideRedirect      (1L<<9)

#define CWY     (1<<1)
#define CWWidth (1<<2)
#define CWHeight        (1<<3)
#define CWBorderWidth   (1<<4)
#define CWSibling       (1<<5)
#define CWStackMode     (1<<6)

#define ForgetGravity   0
#define UnmapGravity    0
#define NorthWestGravity        1
#define StaticGravity   10
#define NorthGravity    2
#define NorthEastGravity        3
#define WestGravity     4
#define CenterGravity   5
#define EastGravity     6
#define SouthWestGravity        7
#define SouthGravity    8
#define SouthEastGravity        9

#define NotUseful       0
#define WhenMapped      1
#define Always  2

#define IsUnmapped      0
#define IsUnviewable    1
#define IsViewable      2

#define SetModeInsert   0
#define SetModeDelete   1

#define DestroyAll      0
#define RetainPermanent 1
```

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```
#define RetainTemporary 2

#define Above   0
#define Below   1
#define TopIf   2
#define BottomIf        3

#define RaiseLowest     0
#define LowerHighest    1

#define PropModePrepend 1
#define PropModeAppend  2

#define GXclear 0x0
#define GXand   0x1
#define GXandReverse    0x2
#define GXcopy  0x3
#define GXandInverted   0x4
#define GXnoop  0x5
#define GXxor   0x6
#define GXor    0x7
#define GXnor   0x8
#define GXequiv 0x9
#define GXinvert        0xa
#define GXorReverse     0xb
#define GXcopyInverted  0xc
#define GXorInverted    0xd
#define GXnand  0xe
#define GXset   0xf

#define LineSolid       0
#define LineOnOffDash   1
#define LineDoubleDash  2

#define CapNotLast      0
#define CapButt 1
#define CapRound        2
#define CapProjecting   3

#define JoinMiter       0
#define JoinRound       1
#define JoinBevel       2

#define FillSolid       0
#define FillTiled       1
#define FillStippled    2
#define FillOpaqueStippled      3

#define EvenOddRule     0
#define WindingRule     1

#define ClipByChildren  0
#define IncludeInferiors        1

#define Unsorted        0
#define XYBitmap        0
#define YSorted 1
#define YXSorted        2
#define YXBanded        3

#define CoordModeOrigin 0
#define CoordModePrevious       1

#define Complex 0
#define Nonconvex       1
#define Convex  2
```

```
#define ArcChord        0
#define ArcPieSlice     1

#define GCFunction      (1L<<0)
#define GCPlaneMask     (1L<<1)
#define GCTile  (1L<<10)
#define GCStipple       (1L<<11)
#define GCTileStipXOrigin       (1L<<12)
#define GCTileStipYOrigin       (1L<<13)
#define GCFont  (1L<<14)
#define GCSubwindowMode (1L<<15)
#define GCGraphicsExposures     (1L<<16)
#define GCClipXOrigin   (1L<<17)
#define GCClipYOrigin   (1L<<18)
#define GCClipMask      (1L<<19)
#define GCForeground    (1L<<2)
#define GCDashOffset    (1L<<20)
#define GCDashList      (1L<<21)
#define GCArcMode       (1L<<22)
#define GCBackground    (1L<<3)
#define GCLineWidth     (1L<<4)
#define GCLineStyle     (1L<<5)
#define GCCapStyle      (1L<<6)
#define GCJoinStyle     (1L<<7)
#define GCFillStyle     (1L<<8)
#define GCFillRule      (1L<<9)
#define GCLastBit       22
#define FontChange      255

#define FontLeftToRight 0
#define FontRightToLeft 1

#define XYPixmap        1
#define ZPixmap 2

#define AllocNone       0
#define AllocAll        1

#define DoRed   (1<<0)
#define DoGreen (1<<1)
#define DoBlue  (1<<2)

#define CursorShape     0
#define TileShape       1
#define StippleShape    2

#define AutoRepeatModeOff       0
#define LedModeOff      0
#define AutoRepeatModeOn        1
#define LedModeOn       1
#define AutoRepeatModeDefault   2

#define KBKeyClickPercent       (1L<<0)
#define KBBellPercent   (1L<<1)
#define KBBellPitch     (1L<<2)
#define KBBellDuration  (1L<<3)
#define KBLed   (1L<<4)
#define KBLedMode       (1L<<5)
#define KBKey   (1L<<6)
#define KBAutoRepeatMode        (1L<<7)
#define MappingModifier 0
#define MappingSuccess  0
#define MappingBusy     1
#define MappingKeyboard 1
#define MappingFailed   2
```

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```
#define MappingPointer  2

#define DisableScreenInterval   0
#define DisableScreenSaver      0
#define DontAllowExposures      0
#define DontPreferBlanking      0
#define AllowExposures  1
#define PreferBlanking  1
#define DefaultBlanking 2
#define DefaultExposures        2

#define ScreenSaverReset        0
#define ScreenSaverActive       1

#define HostInsert      0
#define HostDelete      1

#define DisableAccess   0
#define EnableAccess    1

#define StaticGray      0
#define GrayScale       1
#define StaticColor     2
#define PseudoColor     3
#define TrueColor       4
#define DirectColor     5

#define LSBFirst        0
#define MSBFirst        1
```

6.2.2 X11/XKBlib.h

```
extern int XkbAllocClientMap(XkbDescPtr, unsigned int, unsigned
int);
extern int XkbAllocCompatMap(XkbDescPtr, unsigned int, unsigned
int);
extern int XkbAllocControls(XkbDescPtr, unsigned int);
extern int XkbAllocIndicatorMaps(XkbDescPtr);
extern XkbDescPtrXkbAllocKeyboard(void);
extern int XkbAllocNames(XkbDescPtr, unsigned int, int, int);
extern int XkbAllocServerMap(XkbDescPtr, unsigned int, unsigned
int);
extern int XkbApplyCompatMapToKey(XkbDescPtr, KeyCode,
XkbChangesPtr);
extern int XkbBell(Display *, Window, int, Atom);
extern int XkbBellEvent(Display *, Window, int, Atom);
extern int XkbChangeEnabledControls(Display *, unsigned int,
unsigned int,
                                    unsigned int);
extern int XkbChangeMap(Display *, XkbDescPtr, XkbMapChangesPtr);
extern int XkbChangeNames(Display *, XkbDescPtr,
XkbNameChangesPtr);
extern int XkbChangeTypesOfKey(XkbDescPtr, int, int, unsigned
int, int *,
                               XkbMapChangesPtr);
extern int XkbComputeEffectiveMap(XkbDescPtr, XkbKeyTypePtr,
                                  unsigned char *);
extern int XkbCopyKeyType(XkbKeyTypePtr, XkbKeyTypePtr);
extern int XkbCopyKeyTypes(XkbKeyTypePtr, XkbKeyTypePtr, int);
extern int XkbForceBell(Display *, int);
extern void XkbFreeClientMap(XkbDescPtr, unsigned int, int);
extern void XkbFreeCompatMap(XkbDescPtr, unsigned int, int);
extern void XkbFreeComponentList(XkbComponentListPtr);
extern void XkbFreeControls(XkbDescPtr, unsigned int, int);
extern void XkbFreeIndicatorMaps(XkbDescPtr);
```

```
extern void XkbFreeKeyboard(XkbDescPtr, unsigned int, int);
extern void XkbFreeNames(XkbDescPtr, unsigned int, int);
extern void XkbFreeServerMap(XkbDescPtr, unsigned int, int);
extern int XkbGetAutoRepeatRate(Display *, unsigned int, unsigned
int *,
                                unsigned int *);
extern int XkbGetCompatMap(Display *, unsigned int, XkbDescPtr);
extern int XkbGetControls(Display *, unsigned long int,
XkbDescPtr);
extern int XkbGetIndicatorMap(Display *, unsigned long int,
XkbDescPtr);
extern int XkbGetIndicatorState(Display *, unsigned int, unsigned
int *);
extern int XkbGetKeyActions(Display *, unsigned int, unsigned
int,
                            XkbDescPtr);
extern int XkbGetKeyBehaviors(Display *, unsigned int, unsigned
int,
                              XkbDescPtr);
extern int XkbGetKeyExplicitComponents(Display *, unsigned int,
                                       unsigned int, XkbDescPtr);
extern int XkbGetKeyModifierMap(Display *, unsigned int, unsigned
int,
                                XkbDescPtr);
extern int XkbGetKeySyms(Display *, unsigned int, unsigned int,
                         XkbDescPtr);
extern int XkbGetKeyTypes(Display *, unsigned int, unsigned int,
                          XkbDescPtr);
extern XkbDescPtrXkbGetKeyboard(Display *, unsigned int, unsigned
int);
extern XkbDescPtrXkbGetKeyboardByName(Display *, unsigned int,
                                      XkbComponentNamesPtr,
unsigned int,
                                      unsigned int, int);
extern XkbDescPtrXkbGetMap(Display *, unsigned int, unsigned
int);
extern int XkbGetMapChanges(Display *, XkbDescPtr,
XkbMapChangesPtr);
extern int XkbGetNamedIndicator(Display *, Atom, int *, int *,
                                XkbIndicatorMapPtr, int *);
extern int XkbGetNames(Display *, unsigned int, XkbDescPtr);
extern int XkbGetState(Display *, unsigned int, XkbStatePtr);
extern int XkbGetUpdatedMap(Display *, unsigned int, XkbDescPtr);
extern int XkbGetVirtualMods(Display *, unsigned int,
XkbDescPtr);
extern unsigned int XkbGetXlibControls(Display *);
extern int XkbIgnoreExtension(int);
extern int XkbInitCanonicalKeyTypes(XkbDescPtr, unsigned int,
int);
extern int XkbKeyTypesForCoreSymbols(XkbDescPtr, int, KeySym *,
                                     unsigned int, int *, KeySym
*);
extern KeySym XkbKeycodeToKeysym(Display *, unsigned int, int,
int);
extern unsigned int XkbKeysymToModifiers(Display *, KeySym);
extern int XkbLatchGroup(Display *, unsigned int, unsigned int);
extern int XkbLatchModifiers(Display *, unsigned int, unsigned
int,
                             unsigned int);
extern int XkbLibraryVersion(int *, int *);
extern XkbComponentListPtrXkbListComponents(Display *, unsigned
int,
                                            XkbComponentNamesPtr,
int *);
extern int XkbLockGroup(Display *, unsigned int, unsigned int);
```

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```
extern int XkbLockModifiers(Display *, unsigned int, unsigned
int,
                            unsigned int);
extern int XkbLookupKeyBinding(Display *, KeySym, unsigned int,
char *,
                               int, int *);
extern int XkbLookupKeySym(Display *, KeyCode, unsigned int,
                           unsigned int *, KeySym *);
extern void XkbNoteControlsChanges(XkbControlsChangesPtr,
                                   XkbControlsNotifyEvent      *,
unsigned int);
extern void XkbNoteMapChanges(XkbMapChangesPtr, XkbMapNotifyEvent
*,
                              unsigned int);
extern         void         XkbNoteNameChanges(XkbNameChangesPtr,
XkbNamesNotifyEvent *,
                              unsigned int);
extern Display *XkbOpenDisplay(char *, int *, int *, int *, int
*, int *);
extern int XkbQueryExtension(Display *, int *, int *, int *, int
*, int *);
extern int XkbRefreshKeyboardMapping(XkbMapNotifyEvent *);
extern XkbAction *XkbResizeKeyActions(XkbDescPtr, int, int);
extern KeySym *XkbResizeKeySyms(XkbDescPtr, int, int);
extern int XkbResizeKeyType(XkbDescPtr, int, int, int, int);
extern int XkbSelectEventDetails(Display *, unsigned int,
unsigned int,
                                 unsigned long int, unsigned long
int);
extern int XkbSelectEvents(Display *, unsigned int, unsigned int,
                           unsigned int);
extern          void          XkbSetAtomFuncs(XkbInternAtomFunc,
XkbGetAtomNameFunc);
extern int XkbSetAutoRepeatRate(Display *, unsigned int, unsigned
int,
                                unsigned int);
extern int XkbSetAutoResetControls(Display *, unsigned int,
unsigned int *,
                                   unsigned int *);
extern int XkbSetCompatMap(Display *, unsigned int, XkbDescPtr,
int);
extern int XkbSetControls(Display *, unsigned long int,
XkbDescPtr);
extern int XkbSetDebuggingFlags(Display *, unsigned int, unsigned
int,
                                char *, unsigned int, unsigned
int,
                                unsigned int *, unsigned int *);
extern int XkbSetDetectableAutoRepeat(Display *, int, int *);
extern int XkbSetIgnoreLockMods(Display *, unsigned int, unsigned
int,
                                unsigned int, unsigned int,
unsigned int);
extern int XkbSetIndicatorMap(Display *, unsigned long int,
XkbDescPtr);
extern int XkbSetMap(Display *, unsigned int, XkbDescPtr);
extern int XkbSetNamedIndicator(Display *, Atom, int, int, int,
                                XkbIndicatorMapPtr);
extern int XkbSetNames(Display *, unsigned int, unsigned int,
unsigned int,
                       XkbDescPtr);
extern int XkbSetServerInternalMods(Display *, unsigned int,
unsigned int,
                                    unsigned int, unsigned int,
                                    unsigned int);
extern unsigned int XkbSetXlibControls(Display *, unsigned int,
```

```
                                        unsigned int);
extern char XkbToControl(char);
extern int XkbTranslateKeyCode(XkbDescPtr, KeyCode, unsigned int,
                               unsigned int *, KeySym *);
extern int XkbTranslateKeySym(Display *, KeySym *, unsigned int,
char *,
                              int, int *);
extern int XkbUpdateMapFromCore(XkbDescPtr, KeyCode, int, int,
KeySym *,
                                XkbChangesPtr);
extern int XkbUseExtension(Display *, int *, int *);
extern int XkbVirtualModsToReal(XkbDescPtr, unsigned int,
unsigned int *);
```

6.2.3 X11/Xauth.h

```
typedef struct xauth {
    unsigned short family;
    unsigned short address_length;
    char *address;
    unsigned short number_length;
    char *number;
    unsigned short name_length;
    char *name;
    unsigned short data_length;
    char *data;
} Xauth;
extern void XauDisposeAuth(Xauth *);
extern char *XauFileName(void);
extern Xauth *XauGetBestAuthByAddr(unsigned int, unsigned int,
                                   const char *, unsigned int,
char *, int,
                                   char **, int *);
extern Xauth *XauReadAuth(FILE *);
```

6.2.4 X11/Xcms.h

```
typedef struct _XcmsFunctionSet {
    XcmsColorSpace **DDColorSpaces;
    XcmsScreenInitProc screenInitProc;
    XcmsScreenFreeProc screenFreeProc;
} XcmsFunctionSet;

typedef unsigned long int XcmsColorFormat;
typedef double XcmsFloat;
typedef struct {
    unsigned short red;
    unsigned short green;
    unsigned short blue;
} XcmsRGB;
typedef struct {
    XcmsFloat red;
    XcmsFloat green;
    XcmsFloat blue;
} XcmsRGBi;
typedef struct {
    XcmsFloat X;
    XcmsFloat Y;
    XcmsFloat Z;
} XcmsCIEXYZ;
typedef struct {
    XcmsFloat u_prime;
    XcmsFloat v_prime;
    XcmsFloat Y;
```

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```
} XcmsCIEuvY;
typedef struct {
    XcmsFloat x;
    XcmsFloat y;
    XcmsFloat Y;
} XcmsCIExyY;
typedef struct {
    XcmsFloat L_star;
    XcmsFloat a_star;
    XcmsFloat b_star;
} XcmsCIELab;
typedef struct {
    XcmsFloat L_star;
    XcmsFloat u_star;
    XcmsFloat v_star;
} XcmsCIELuv;
typedef struct {
    XcmsFloat H;
    XcmsFloat V;
    XcmsFloat C;
} XcmsTekHVC;
typedef struct {
    XcmsFloat pad0;
    XcmsFloat pad1;
    XcmsFloat pad2;
    XcmsFloat pad3;
} XcmsPad;

typedef union {
    XcmsRGB RGB;
    XcmsRGBi RGBi;
    XcmsCIEXYZ CIEXYZ;
    XcmsCIEuvY CIEuvY;
    XcmsCIExyY CIExyY;
    XcmsCIELab CIELab;
    XcmsCIELuv CIELuv;
    XcmsTekHVC TekHVC;
    XcmsPad Pad;
} XcmsColor;

typedef struct _XcmsPerScrnInfo {
    XcmsColor screenWhitePt;
    XPointer functionSet;
    XPointer screenData;
    unsigned char state;
    char pad[1];
} XcmsPerScrnInfo;

typedef int (*XcmsCompressionProc) (void);
typedef int (*XcmsWhiteAdjustProc) (void);
typedef int (*XcmsScreenInitProc) (void);
typedef void (*XcmsScreenFreeProc) (void);
typedef int (*XcmsConversionProc) (void);
typedef int (*XcmsParseStringProc) (void);

typedef struct _XcmsCCC *XcmsCCC;

typedef XcmsConversionProc *XcmsFuncListPtr;

typedef struct _XcmsColorSpace {
    char *prefix;
    XcmsColorFormat id;
    XcmsParseStringProc parseString;
    XcmsFuncListPtr to_CIEXYZ;
    XcmsFuncListPtr from_CIEXYZ;
    int inverse_flag;
```

```
} XcmsColorSpace;
extern int XcmsAddColorSpace(XcmsColorSpace *);
extern int XcmsAddFunctionSet(XcmsFunctionSet *);
extern int XcmsAllocColor(Display *, Colormap, XcmsColor *,
                          XcmsColorFormat);
extern int XcmsAllocNamedColor(Display *, Colormap, const char *,
                               XcmsColor    *,    XcmsColor    *,
XcmsColorFormat);
extern XcmsCCC XcmsCCCOfColormap(Display *, Colormap);
extern int XcmsCIELabClipL(XcmsCCC, XcmsColor *, unsigned int,
                           unsigned int, int *);
extern int XcmsCIELabClipLab(XcmsCCC, XcmsColor *, unsigned int,
                             unsigned int, int *);
extern int XcmsCIELabClipab(XcmsCCC, XcmsColor *, unsigned int,
                            unsigned int, int *);
extern  int  XcmsCIELabQueryMaxC(XcmsCCC,  XcmsFloat,  XcmsFloat,
XcmsColor *);
extern  int  XcmsCIELabQueryMaxL(XcmsCCC,  XcmsFloat,  XcmsFloat,
XcmsColor *);
extern int XcmsCIELabQueryMaxLC(XcmsCCC, XcmsFloat, XcmsColor *);
extern  int  XcmsCIELabQueryMinL(XcmsCCC,  XcmsFloat,  XcmsFloat,
XcmsColor *);
extern int XcmsCIELabToCIEXYZ(XcmsCCC, XcmsColor *, XcmsColor *,
                              unsigned int);
extern   int   XcmsCIELabWhiteShiftColors(XcmsCCC,   XcmsColor   *,
XcmsColor *,
                                       XcmsColorFormat,   XcmsColor
*,
                                       unsigned int, int *);
extern int XcmsCIELuvClipL(XcmsCCC, XcmsColor *, unsigned int,
                           unsigned int, int *);
extern int XcmsCIELuvClipLuv(XcmsCCC, XcmsColor *, unsigned int,
                             unsigned int, int *);
extern int XcmsCIELuvClipuv(XcmsCCC, XcmsColor *, unsigned int,
                            unsigned int, int *);
extern  int  XcmsCIELuvQueryMaxC(XcmsCCC,  XcmsFloat,  XcmsFloat,
XcmsColor *);
extern  int  XcmsCIELuvQueryMaxL(XcmsCCC,  XcmsFloat,  XcmsFloat,
XcmsColor *);
extern int XcmsCIELuvQueryMaxLC(XcmsCCC, XcmsFloat, XcmsColor *);
extern  int  XcmsCIELuvQueryMinL(XcmsCCC,  XcmsFloat,  XcmsFloat,
XcmsColor *);
extern int XcmsCIELuvToCIEuvY(XcmsCCC, XcmsColor *, XcmsColor *,
                              unsigned int);
extern   int   XcmsCIELuvWhiteShiftColors(XcmsCCC,   XcmsColor   *,
XcmsColor *,
                                       XcmsColorFormat,   XcmsColor
*,
                                       unsigned int, int *);
extern int XcmsCIEXYZToCIELab(XcmsCCC, XcmsColor *, XcmsColor *,
                              unsigned int);
extern int XcmsCIEXYZToCIEuvY(XcmsCCC, XcmsColor *, XcmsColor *,
                              unsigned int);
extern int XcmsCIEXYZToCIExyY(XcmsCCC, XcmsColor *, XcmsColor *,
                              unsigned int);
extern int XcmsCIEXYZToRGBi(XcmsCCC, XcmsColor *, unsigned int,
int *);
extern int XcmsCIEuvYToCIELuv(XcmsCCC, XcmsColor *, XcmsColor *,
                              unsigned int);
extern int XcmsCIEuvYToCIEXYZ(XcmsCCC, XcmsColor *, XcmsColor *,
                              unsigned int);
extern int XcmsCIEuvYToTekHVC(XcmsCCC, XcmsColor *, XcmsColor *,
                              unsigned int);
extern int XcmsCIExyYToCIEXYZ(XcmsCCC, XcmsColor *, XcmsColor *,
                              unsigned int);
extern XcmsColor *XcmsClientWhitePointOfCCC(XcmsCCC);
```


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```
extern int XcmsConvertColors(XcmsCCC, XcmsColor *, unsigned int,
                             XcmsColorFormat, int *);
extern XcmsCCC XcmsCreateCCC(Display *, int, Visual *, XcmsColor
*,
                             XcmsCompressionProc, XPointer,
                             XcmsWhiteAdjustProc, XPointer);
extern XcmsCCC XcmsDefaultCCC(Display *, int);
extern Display *XcmsDisplayOfCCC(XcmsCCC);
extern XcmsColorFormat XcmsFormatOfPrefix(char *);
extern void XcmsFreeCCC(XcmsCCC);
extern int XcmsLookupColor(Display *, Colormap, const char *,
XcmsColor *,
                           XcmsColor *, XcmsColorFormat);
extern char *XcmsPrefixOfFormat(XcmsColorFormat);
extern int XcmsQueryBlack(XcmsCCC, XcmsColorFormat, XcmsColor *);
extern int XcmsQueryBlue(XcmsCCC, XcmsColorFormat, XcmsColor *);
extern int XcmsQueryColor(Display *, Colormap, XcmsColor *,
                          XcmsColorFormat);
extern int XcmsQueryColors(Display *, Colormap, XcmsColor *,
unsigned int,
                           XcmsColorFormat);
extern int XcmsQueryGreen(XcmsCCC, XcmsColorFormat, XcmsColor *);
extern int XcmsQueryRed(XcmsCCC, XcmsColorFormat, XcmsColor *);
extern int XcmsQueryWhite(XcmsCCC, XcmsColorFormat, XcmsColor *);
extern int XcmsRGBToRGBi(XcmsCCC, XcmsColor *, unsigned int, int
*);
extern int XcmsRGBiToCIEXYZ(XcmsCCC, XcmsColor *, unsigned int,
int *);
extern int XcmsRGBiToRGB(XcmsCCC, XcmsColor *, unsigned int, int
*);
extern int XcmsScreenNumberOfCCC(XcmsCCC);
extern XcmsColor *XcmsScreenWhitePointOfCCC(XcmsCCC);
extern XcmsCCC XcmsSetCCCOfColormap(Display *, Colormap,
XcmsCCC);
extern XcmsCompressionProc XcmsSetCompressionProc(XcmsCCC,

XcmsCompressionProc,
                                                  XPointer);
extern XcmsWhiteAdjustProc XcmsSetWhiteAdjustProc(XcmsCCC,

XcmsWhiteAdjustProc,
                                                  XPointer);
extern int XcmsSetWhitePoint(XcmsCCC, XcmsColor *);
extern int XcmsStoreColor(Display *, Colormap, XcmsColor *);
extern int XcmsStoreColors(Display *, Colormap, XcmsColor *,
unsigned int,
                           int *);
extern int XcmsTekHVCClipC(XcmsCCC, XcmsColor *, unsigned int,
                           unsigned int, int *);
extern int XcmsTekHVCClipV(XcmsCCC, XcmsColor *, unsigned int,
                           unsigned int, int *);
extern int XcmsTekHVCClipVC(XcmsCCC, XcmsColor *, unsigned int,
                            unsigned int, int *);
extern int XcmsTekHVCQueryMaxC(XcmsCCC, XcmsFloat, XcmsFloat,
XcmsColor *);
extern int XcmsTekHVCQueryMaxV(XcmsCCC, XcmsFloat, XcmsFloat,
XcmsColor *);
extern int XcmsTekHVCQueryMaxVC(XcmsCCC, XcmsFloat, XcmsColor *);
extern int XcmsTekHVCQueryMaxVSamples(XcmsCCC, XcmsFloat,
XcmsColor *,
                                      unsigned int);
extern int XcmsTekHVCQueryMinV(XcmsCCC, XcmsFloat, XcmsFloat,
XcmsColor *);
extern int XcmsTekHVCToCIEuvY(XcmsCCC, XcmsColor *, XcmsColor *,
                              unsigned int);
```

```
extern int XcmsTekHVCWhiteShiftColors(XcmsCCC, XcmsColor *,
XcmsColor *,
                                      XcmsColorFormat, XcmsColor
*,
                                      unsigned int, int *);
extern Visual *XcmsVisualOfCCC(XcmsCCC);
```

6.2.5 X11/Xlib.h

```
struct _XDisplay;
typedef struct
    XColor;
typedef void *XVaNestedList;
typedef int (*XErrorHandler) (void);
typedef int (*XIOErrorHandler) (void);
typedef void (*XConnectionWatchProc) (void);

typedef char *XPointer;

typedef struct _XExtData {
    int number;
    struct _XExtData *next;
    int (*free_private) (struct _XExtData * extension);
    XPointer private_data;
} XExtData;
typedef struct
    XExtCodes;

typedef struct
    XPixmapFormatValues;

typedef struct
    XGCValues;

typedef struct _XGC *GC;

typedef struct
    Visual;

typedef struct
    Depth;

typedef struct
    Screen;

typedef struct
    ScreenFormat;

typedef struct
    XSetWindowAttributes;
typedef struct
    XWindowAttributes;

typedef struct
    XHostAddress;

typedef struct _XImage {
    int width;
    int height;
    int xoffset;
    int format;
    char *data;
    int byte_order;
    int bitmap_unit;
    int bitmap_bit_order;
```

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```
    int bitmap_pad;
    int depth;
    int bytes_per_line;
    int bits_per_pixel;
    unsigned long int red_mask;
    unsigned long int green_mask;
    unsigned long int blue_mask;
    XPointer obdata;
    struct funcs f;
} XImage;

typedef struct
    XWindowChanges;

typedef struct
    XSegment;
typedef struct
    XPoint;
typedef struct
    XRectangle;
typedef struct
    XArc;

typedef struct
    XKeyboardControl;

typedef struct
    XKeyboardState;

typedef struct
    XTimeCoord;

typedef struct
    XModifierKeymap;

typedef struct _XDisplay Display;

typedef struct
    XKeyEvent;
typedef XKeyEvent XKeyPressedEvent;
typedef XKeyEvent XKeyReleasedEvent;
typedef struct
    XButtonEvent;
typedef XButtonEvent XButtonPressedEvent;
typedef XButtonEvent XButtonReleasedEvent;
typedef struct
    XMotionEvent;
typedef XMotionEvent XPointerMovedEvent;
typedef struct
    XCrossingEvent;
typedef XCrossingEvent XEnterWindowEvent;
typedef XCrossingEvent XLeaveWindowEvent;
typedef struct
    XFocusChangeEvent;
typedef XFocusChangeEvent XFocusInEvent;
typedef XFocusChangeEvent XFocusOutEvent;
typedef struct
    XKeymapEvent;
typedef struct
    XExposeEvent;
typedef struct
    XGraphicsExposeEvent;
typedef struct
    XNoExposeEvent;
typedef struct
    XVisibilityEvent;
```

```
typedef struct
    XCreateWindowEvent;
typedef struct
    XDestroyWindowEvent;
typedef struct
    XUnmapEvent;
typedef struct
    XMapEvent;
typedef struct
    XMapRequestEvent;
typedef struct
    XReparentEvent;
typedef struct
    XConfigureEvent;
typedef struct
    XGravityEvent;
typedef struct
    XResizeRequestEvent;
typedef struct
    XConfigureRequestEvent;
typedef struct
    XCirculateEvent;
typedef struct
    XCirculateRequestEvent;
typedef struct
    XPropertyEvent;
typedef struct
    XSelectionClearEvent;
typedef struct
    XSelectionRequestEvent;
typedef struct
    XSelectionEvent;
typedef struct
    XColormapEvent;
typedef union XClientMessageEvent;
typedef struct
    XMappingEvent;
typedef struct
    XErrorEvent;
typedef struct
    XAnyEvent;

typedef union _XEvent {
    int type;
    XAnyEvent xany;
    XKeyEvent xkey;
    XButtonEvent xbutton;
    XMotionEvent xmotion;
    XCrossingEvent xcrossing;
    XFocusChangeEvent xfocus;
    XExposeEvent xexpose;
    XGraphicsExposeEvent xgraphicsexpose;
    XNoExposeEvent xnoexpose;
    XVisibilityEvent xvisibility;
    XCreateWindowEvent xcreatewindow;
    XDestroyWindowEvent xdestroywindow;
    XUnmapEvent xunmap;
    XMapEvent xmap;
    XMapRequestEvent xmaprequest;
    XReparentEvent xreparent;
    XConfigureEvent xconfigure;
    XGravityEvent xgravity;
    XResizeRequestEvent xresizerequest;
    XConfigureRequestEvent xconfigurerequest;
    XCirculateEvent xcirculate;
    XCirculateRequestEvent xcirculaterequest;
```

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```
    XPropertyEvent xproperty;
    XSelectionClearEvent xselectionclear;
    XSelectionRequestEvent xselectionrequest;
    XSelectionEvent xselection;
    XColormapEvent xcolormap;
    XClientMessageEvent xclient;
    XMappingEvent xmapping;
    XErrorEvent xerror;
    XKeymapEvent xkeymap;
    long int pad[1];
} XEvent;

typedef struct
    XCharStruct;

typedef struct
    XFontProp;
typedef struct
    XFontStruct;
typedef struct
    XFontSetExtents;

typedef struct
    XTextItem;
typedef struct
    XChar2b;
typedef struct
    XTextItem16;

typedef union XEDataObject;

typedef struct _XOM *XOM;
typedef struct _XOC *XOC;
typedef struct _XOC *XFontSet;

typedef struct
    XmbTextItem;
typedef struct
    XwcTextItem;

typedef struct _XIM *XIM;
typedef struct _XIC *XIC;
typedef void (*XIDProc) (void);
extern int XActivateScreenSaver(Display *);
extern int XAddConnectionWatch(Display *, XConnectionWatchProc,
XPointer);
extern XExtCodes *XAddExtension(Display *);
extern int XAddHost(Display *, XHostAddress *);
extern int XAddHosts(Display *, XHostAddress *, int);
extern int XAddToExtensionList(struct _XExtData **, XExtData *);
extern int XAddToSaveSet(Display *, Window);
extern unsigned long int XAllPlanes(void);
extern int XAllocColor(Display *, Colormap, XColor *);
extern int XAllocColorCells(Display *, Colormap, int, unsigned
long int *,
                            unsigned int, unsigned long int *,
                            unsigned int);
extern int XAllocColorPlanes(Display *, Colormap, int, unsigned
long int *,
                             int, int, int, int, unsigned long
int *,
                             unsigned long int *, unsigned long
int *);
extern int XAllocNamedColor(Display *, Colormap, const char *,
XColor *,
                            XColor *);
```

```
extern int XAllowEvents(Display *, int, Time);
extern int XAutoRepeatOff(Display *);
extern int XAutoRepeatOn(Display *);
extern char *XBaseFontNameListOfFontSet(XFontSet);
extern int XBell(Display *, int);
extern int XBitmapBitOrder(Display *);
extern int XBitmapPad(Display *);
extern int XBitmapUnit(Display *);
extern unsigned long int XBlackPixel(Display *, int);
extern unsigned long int XBlackPixelOfScreen(Screen *);
extern int XCellsOfScreen(Screen *);
extern  int  XChangeActivePointerGrab(Display  *,  unsigned  int,
Cursor, Time);
extern int XChangeGC(Display *, GC, unsigned long int, XGCValues
*);
extern int XChangeKeyboardControl(Display *, unsigned long int,
                                  XKeyboardControl *);
extern int XChangeKeyboardMapping(Display *, int, int, KeySym *,
int);
extern int XChangePointerControl(Display *, int, int, int, int,
int);
extern int XChangeProperty(Display *, Window, Atom, Atom, int,
int,
                           const unsigned char *, int);
extern int XChangeSaveSet(Display *, Window, int);
extern  int  XChangeWindowAttributes(Display  *,  Window,  unsigned
long int,
                                   XSetWindowAttributes *);
extern int XCheckIfEvent(Display *, XEvent *, struct
                         , XPointer);
extern int XCheckMaskEvent(Display *, long int, XEvent *);
extern int XCheckTypedEvent(Display *, int, XEvent *);
extern int XCheckTypedWindowEvent(Display *, Window, int, XEvent
*);
extern int XCheckWindowEvent(Display *, Window, long int, XEvent
*);
extern int XCirculateSubwindows(Display *, Window, int);
extern int XCirculateSubwindowsDown(Display *, Window);
extern int XCirculateSubwindowsUp(Display *, Window);
extern int XClearArea(Display *, Window, int, int, unsigned int,
                      unsigned int, int);
extern int XClearWindow(Display *, Window);
extern int XCloseDisplay(Display *);
extern int XCloseIM(XIM);
extern int XCloseOM(XOM);
extern int XConfigureWindow(Display *, Window, unsigned int,
                            XWindowChanges *);
extern int XConnectionNumber(Display *);
extern int XContextDependentDrawing(XFontSet);
extern int XContextualDrawing(XFontSet);
extern int XConvertSelection(Display *, Atom, Atom, Atom, Window,
Time);
extern int XCopyArea(Display *, Drawable, Drawable, GC, int, int,
                     unsigned int, unsigned int, int, int);
extern Colormap XCopyColormapAndFree(Display *, Colormap);
extern int XCopyGC(Display *, GC, unsigned long int, GC);
extern  int  XCopyPlane(Display  *,  Drawable,  Drawable,  GC,  int,
int,
                      unsigned int, unsigned int, int, int,
                      unsigned long int);
extern  Pixmap  XCreateBitmapFromData(Display  *,  Drawable,  const
char *,
                                    unsigned int, unsigned int);
extern  Colormap  XCreateColormap(Display  *,  Window,  Visual  *,
int);
extern Cursor XCreateFontCursor(Display *, unsigned int);
```

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```
extern XFontSet XCreateFontSet(Display *, const char *, char ***,
int *,
                                char **);
extern GC XCreateGC(Display *, Drawable, unsigned long int,
XGCValues *);
extern Cursor XCreateGlyphCursor(Display *, Font, Font, unsigned
int,
                                  unsigned int, XColor *, XColor
*);
extern XIC XCreateIC(XIM, ...);
extern XImage *XCreateImage(Display *, Visual *, unsigned int,
int, int,
                            char *, unsigned int, unsigned int,
int, int);
extern XOC XCreateOC(XOM, ...);
extern Pixmap XCreatePixmap(Display *, Drawable, unsigned int,
                            unsigned int, unsigned int);
extern Cursor XCreatePixmapCursor(Display *, Pixmap, Pixmap,
XColor *,
                                  XColor *, unsigned int,
unsigned int);
extern Pixmap XCreatePixmapFromBitmapData(Display *, Drawable,
char *,
                                          unsigned int, unsigned
int,
                                          unsigned long int,
                                          unsigned long int,
unsigned int);
extern Window XCreateSimpleWindow(Display *, Window, int, int,
                                  unsigned int, unsigned int,
unsigned int,
                                  unsigned long int, unsigned
long int);
extern Window XCreateWindow(Display *, Window, int, int, unsigned
int,
                            unsigned int, unsigned int, int,
unsigned int,
                            Visual *, unsigned long int,
                            XSetWindowAttributes *);
extern Colormap XDefaultColormap(Display *, int);
extern Colormap XDefaultColormapOfScreen(Screen *);
extern int XDefaultDepth(Display *, int);
extern int XDefaultDepthOfScreen(Screen *);
extern GC XDefaultGC(Display *, int);
extern GC XDefaultGCOfScreen(Screen *);
extern Window XDefaultRootWindow(Display *);
extern int XDefaultScreen(Display *);
extern Screen *XDefaultScreenOfDisplay(Display *);
extern Visual *XDefaultVisual(Display *, int);
extern Visual *XDefaultVisualOfScreen(Screen *);
extern int XDefineCursor(Display *, Window, Cursor);
extern XModifierKeymap *XDeleteModifiermapEntry(XModifierKeymap
*,
                                                unsigned int,
int);
extern int XDeleteProperty(Display *, Window, Atom);
extern void XDestroyIC(XIC);
extern void XDestroyOC(XOC);
extern int XDestroySubwindows(Display *, Window);
extern int XDestroyWindow(Display *, Window);
extern int XDirectionalDependentDrawing(XFontSet);
extern int XDisableAccessControl(Display *);
extern int XDisplayCells(Display *, int);
extern int XDisplayHeight(Display *, int);
extern int XDisplayHeightMM(Display *, int);
extern int XDisplayKeycodes(Display *, int *, int *);
```

```
extern unsigned long int XDisplayMotionBufferSize(Display *);
extern char *XDisplayName(const char *);
extern Display *XDisplayOfIM(XIM);
extern Display *XDisplayOfOM(XOM);
extern Display *XDisplayOfScreen(Screen *);
extern int XDisplayPlanes(Display *, int);
extern char *XDisplayString(Display *);
extern int XDisplayWidth(Display *, int);
extern int XDisplayWidthMM(Display *, int);
extern int XDoesBackingStore(Screen *);
extern int XDoesSaveUnders(Screen *);
extern int XDrawArc(Display *, Drawable, GC, int, int, unsigned
int,
                    unsigned int, int, int);
extern int XDrawArcs(Display *, Drawable, GC, XArc *, int);
extern int XDrawImageString(Display *, Drawable, GC, int, int,
                            const char *, int);
extern int XDrawImageString16(Display *, Drawable, GC, int, int,
XChar2b *,
                              int);
extern int XDrawLine(Display *, Drawable, GC, int, int, int,
int);
extern int XDrawLines(Display *, Drawable, GC, XPoint *, int,
int);
extern int XDrawPoint(Display *, Drawable, GC, int, int);
extern int XDrawPoints(Display *, Drawable, GC, XPoint *, int,
int);
extern int XDrawRectangle(Display *, Drawable, GC, int, int,
unsigned int,
                          unsigned int);
extern int XDrawRectangles(Display *, Drawable, GC, XRectangle *,
int);
extern int XDrawSegments(Display *, Drawable, GC, XSegment *,
int);
extern int XDrawString(Display *, Drawable, GC, int, int, const
char *,
                       int);
extern int XDrawString16(Display *, Drawable, GC, int, int,
XChar2b *,
                         int);
extern int XDrawText(Display *, Drawable, GC, int, int, XTextItem
*, int);
extern int XDrawText16(Display *, Drawable, GC, int, int,
XTextItem16 *,
                       int);
extern XExtData **XEHeadOfExtensionList(XEDataObject);
extern int XESetBeforeFlush(void);
extern int *XESetCloseDisplay(void);
extern int XESetCopyGC(void);
extern int XESetCreateFont(void);
extern int XESetCreateGC(void);
extern int XESetError(void);
extern int XESetErrorString(void);
extern int XESetEventToWire(void);
extern int XESetFlushGC(void);
extern int XESetFreeFont(void);
extern int XESetFreeGC(void);
extern int XESetPrintErrorValues(void);
extern int XESetWireToError(void);
extern int XESetWireToEvent(void);
extern int XEnableAccessControl(Display *);
extern long int XEventMaskOfScreen(Screen *);
extern int XEventsQueued(Display *, int);
extern long int XExtendedMaxRequestSize(Display *);
extern XFontSetExtents *XExtentsOfFontSet(XFontSet);
extern char *XFetchBuffer(Display *, int *, int);
```

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```
extern char *XFetchBytes(Display *, int *);
extern int XFetchName(Display *, Window, char **);
extern int XFillArc(Display *, Drawable, GC, int, int, unsigned
int,
                    unsigned int, int, int);
extern int XFillArcs(Display *, Drawable, GC, XArc *, int);
extern int XFillPolygon(Display *, Drawable, GC, XPoint *, int,
int, int);
extern int XFillRectangle(Display *, Drawable, GC, int, int,
unsigned int,
                          unsigned int);
extern int XFillRectangles(Display *, Drawable, GC, XRectangle *,
int);
extern int XFilterEvent(XEvent *, Window);
extern XExtData *XFindOnExtensionList(XExtData * *, int);
extern int XFlush(Display *);
extern void XFlushGC(Display *, GC);
extern int XFontsOfFontSet(XFontSet, XFontStruct * **, char ***);
extern int XForceScreenSaver(Display *, int);
extern int XFree(void *);
extern int XFreeColormap(Display *, Colormap);
extern int XFreeColors(Display *, Colormap, unsigned long int *,
int,
                       unsigned long int);
extern int XFreeCursor(Display *, Cursor);
extern int XFreeExtensionList(char **);
extern int XFreeFont(Display *, XFontStruct *);
extern int XFreeFontInfo(char **, XFontStruct *, int);
extern int XFreeFontNames(char **);
extern int XFreeFontPath(char **);
extern void XFreeFontSet(Display *, XFontSet);
extern int XFreeGC(Display *, GC);
extern int XFreeModifiermap(XModifierKeymap *);
extern int XFreePixmap(Display *, Pixmap);
extern void XFreeStringList(char **);
extern GContext XGContextFromGC(GC);
extern int XGeometry(Display *, int, const char *, const char *,
                     unsigned int, unsigned int, unsigned int,
int, int,
                     int *, int *, int *, int *);
extern char *XGetAtomName(Display *, Atom);
extern int XGetAtomNames(Display *, Atom *, int, char **);
extern int XGetCommand(Display *, Window, char ***, int *);
extern char *XGetDefault(Display *, const char *, const char *);
extern int XGetErrorDatabaseText(Display *, const char *, const
char *,
                                 const char *, char *, int);
extern int XGetErrorText(Display *, int, char *, int);
extern char **XGetFontPath(Display *, int *);
extern int XGetFontProperty(XFontStruct *, Atom, unsigned long
int *);
extern int XGetGCValues(Display *, GC, unsigned long int,
XGCValues *);
extern int XGetGeometry(Display *, Drawable, Window *, int *, int
*,
                        unsigned int *, unsigned int *, unsigned
int *,
                        unsigned int *);
extern char *XGetICValues(XIC, ...);
extern char *XGetIMValues(XIM, ...);
extern int XGetIconName(Display *, Window, char **);
extern XImage *XGetImage(Display *, Drawable, int, int, unsigned
int,
                         unsigned int, unsigned long int, int);
extern int XGetInputFocus(Display *, Window *, int *);
extern int XGetKeyboardControl(Display *, XKeyboardState *);
```

```
extern KeySym *XGetKeyboardMapping(Display *, unsigned int, int,
int *);
extern XModifierKeymap *XGetModifierMapping(Display *);
extern XTimeCoord *XGetMotionEvents(Display *, Window, Time,
Time, int *);
extern char *XGetOCValues(XOC, ...);
extern char *XGetOMValues(XOM, ...);
extern int XGetPointerControl(Display *, int *, int *, int *);
extern int XGetPointerMapping(Display *, unsigned char *, int);
extern int XGetScreenSaver(Display *, int *, int *, int *, int
*);
extern Window XGetSelectionOwner(Display *, Atom);
extern XImage *XGetSubImage(Display *, Drawable, int, int,
unsigned int,
                            unsigned int, unsigned long int, int,
XImage *,
                            int, int);
extern int XGetTransientForHint(Display *, Window, Window *);
extern int XGetWMColormapWindows(Display *, Window, Window * *,
int *);
extern int XGetWMProtocols(Display *, Window, Atom * *, int *);
extern int XGetWindowAttributes(Display *, Window,
XWindowAttributes *);
extern int XGetWindowProperty(Display *, Window, Atom, long int,
long int,
                              int, Atom, Atom *, int *,
                              unsigned long int *, unsigned long
int *,
                              unsigned char **);
extern int XGrabButton(Display *, unsigned int, unsigned int,
Window, int,
                       unsigned int, int, int, Window, Cursor);
extern int XGrabKey(Display *, int, unsigned int, Window, int,
int, int);
extern int XGrabKeyboard(Display *, Window, int, int, int, Time);
extern int XGrabPointer(Display *, Window, int, unsigned int,
int, int,
                        Window, Cursor, Time);
extern int XGrabServer(Display *);
extern int XHeightMMOfScreen(Screen *);
extern int XHeightOfScreen(Screen *);
extern XIM XIMOfIC(XIC);
extern int XIconifyWindow(Display *, Window, int);
extern int XIfEvent(Display *, XEvent *, int, XPointer);
extern int XImageByteOrder(Display *);
extern XExtCodes *XInitExtension(Display *, const char *);
extern int XInitImage(XImage *);
extern int XInitThreads(void);
extern XModifierKeymap *XInsertModifiermapEntry(XModifierKeymap
*,
                                                unsigned int,
int);
extern int XInstallColormap(Display *, Colormap);
extern Atom XInternAtom(Display *, const char *, int);
extern int XInternAtoms(Display *, char **, int, int, Atom *);
extern int XInternalConnectionNumbers(Display *, int **, int *);
extern KeySym XKeycodeToKeysym(Display *, unsigned int, int);
extern KeyCode XKeysymToKeycode(Display *, KeySym);
extern char *XKeysymToString(KeySym);
extern int XKillClient(Display *, XID);
extern unsigned long int XLastKnownRequestProcessed(Display *);
extern int *XListDepths(Display *, int, int *);
extern char **XListExtensions(Display *, int *);
extern char **XListFonts(Display *, const char *, int, int *);
extern char **XListFontsWithInfo(Display *, const char *, int,
int *,
```

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```
                                XFontStruct * *);
extern XHostAddress *XListHosts(Display *, int *, int *);
extern Colormap *XListInstalledColormaps(Display *, Window, int
*);
extern XPixmapFormatValues *XListPixmapFormats(Display *, int *);
extern Atom *XListProperties(Display *, Window, int *);
extern Font XLoadFont(Display *, const char *);
extern XFontStruct *XLoadQueryFont(Display *, const char *);
extern char *XLocaleOfFontSet(XFontSet);
extern char *XLocaleOfIM(XIM);
extern char *XLocaleOfOM(XOM);
extern void XLockDisplay(Display *);
extern int XLookupColor(Display *, Colormap, const char *, XColor
*,
                        XColor *);
extern KeySym XLookupKeysym(XKeyEvent *, int);
extern int XLowerWindow(Display *, Window);
extern int XMapRaised(Display *, Window);
extern int XMapSubwindows(Display *, Window);
extern int XMapWindow(Display *, Window);
extern int XMaskEvent(Display *, long int, XEvent *);
extern int XMaxCmapsOfScreen(Screen *);
extern long int XMaxRequestSize(Display *);
extern int XMinCmapsOfScreen(Screen *);
extern int XMoveResizeWindow(Display *, Window, int, int,
unsigned int,
                             unsigned int);
extern int XMoveWindow(Display *, Window, int, int);
extern XModifierKeymap *XNewModifiermap(int);
extern int XNextEvent(Display *, XEvent *);
extern unsigned long int XNextRequest(Display *);
extern int XNoOp(Display *);
extern XOM XOMOfOC(XOC);
extern Display *XOpenDisplay(const char *);
extern XIM XOpenIM(Display *, struct _XrmHashBucketRec *, char *,
char *);
extern XOM XOpenOM(Display *, struct _XrmHashBucketRec *, const
char *,
                   const char *);
extern int XParseColor(Display *, Colormap, const char *, XColor
*);
extern int XParseGeometry(const char *, int *, int *, unsigned
int *,
                          unsigned int *);
extern int XPeekEvent(Display *, XEvent *);
extern int XPeekIfEvent(Display *, XEvent *, int, XPointer);
extern int XPending(Display *);
extern int XPlanesOfScreen(Screen *);
extern void XProcessInternalConnection(Display *, int);
extern int XProtocolRevision(Display *);
extern int XProtocolVersion(Display *);
extern int XPutBackEvent(Display *, XEvent *);
extern int XPutImage(Display *, Drawable, GC, XImage *, int, int,
int, int,
                     unsigned int, unsigned int);
extern int XQLength(Display *);
extern int XQueryBestCursor(Display *, Drawable, unsigned int,
                            unsigned int, unsigned int *,
unsigned int *);
extern int XQueryBestSize(Display *, int, Drawable, unsigned int,
                          unsigned int, unsigned int *, unsigned
int *);
extern int XQueryBestStipple(Display *, Drawable, unsigned int,
                             unsigned int, unsigned int *,
unsigned int *);
```

```
extern int XQueryBestTile(Display *, Drawable, unsigned int,
unsigned int,
                          unsigned int *, unsigned int *);
extern int XQueryColor(Display *, Colormap, XColor *);
extern int XQueryColors(Display *, Colormap, XColor *, int);
extern int XQueryExtension(Display *, const char *, int *, int *,
int *);
extern XFontStruct *XQueryFont(Display *, XID);
extern int XQueryKeymap(Display *, char);
extern int XQueryPointer(Display *, Window, Window *, Window *,
int *,
                         int *, int *, int *, unsigned int *);
extern int XQueryTextExtents(Display *, XID, const char *, int,
int *,
                             int *, int *, XCharStruct *);
extern int XQueryTextExtents16(Display *, XID, XChar2b *, int,
int *,
                               int *, int *, XCharStruct *);
extern int XQueryTree(Display *, Window, Window *, Window *,
Window * *,
                      unsigned int *);
extern int XRaiseWindow(Display *, Window);
extern int XReadBitmapFile(Display *, Drawable, const char *,
                           unsigned int *, unsigned int *, Pixmap
*, int *,
                           int *);
extern int XReadBitmapFileData(const char *, unsigned int *,
                               unsigned int *, unsigned char **,
int *,
                               int *);
extern int XRebindKeysym(Display *, KeySym, KeySym *, int,
                         const unsigned char *, int);
extern int XRecolorCursor(Display *, Cursor, XColor *, XColor *);
extern int XReconfigureWMWindow(Display *, Window, int, unsigned
int,
                                XWindowChanges *);
extern int XRefreshKeyboardMapping(XMappingEvent *);
extern int XRegisterIMInstantiateCallback(Display *,
                                          struct
_XrmHashBucketRec *,
                                          char *, char *,
XIDProc,
                                          XPointer);
extern void XRemoveConnectionWatch(Display *,
XConnectionWatchProc,
                                   XPointer);
extern int XRemoveFromSaveSet(Display *, Window);
extern int XRemoveHost(Display *, XHostAddress *);
extern int XRemoveHosts(Display *, XHostAddress *, int);
extern int XReparentWindow(Display *, Window, Window, int, int);
extern int XResetScreenSaver(Display *);
extern int XResizeWindow(Display *, Window, unsigned int,
unsigned int);
extern char *XResourceManagerString(Display *);
extern int XRestackWindows(Display *, Window *, int);
extern Window XRootWindow(Display *, int);
extern Window XRootWindowOfScreen(Screen *);
extern int XRotateBuffers(Display *, int);
extern int XRotateWindowProperties(Display *, Window, Atom *,
int, int);
extern int XScreenCount(Display *);
extern int XScreenNumberOfScreen(Screen *);
extern Screen *XScreenOfDisplay(Display *, int);
extern char *XScreenResourceString(Screen *);
extern int XSelectInput(Display *, Window, long int);
```

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```
extern int XSendEvent(Display *, Window, int, long int, XEvent
*);
extern char *XServerVendor(Display *);
extern int XSetAccessControl(Display *, int);
extern int (*XIDProc) (void) XSetAfterFunction;
extern int XSetArcMode(Display *, GC, int);
extern void XSetAuthorization(char *, int, char *, int);
extern int XSetBackground(Display *, GC, unsigned long int);
extern int XSetClipMask(Display *, GC, Pixmap);
extern int XSetClipOrigin(Display *, GC, int, int);
extern int XSetClipRectangles(Display *, GC, int, int, XRectangle
*, int,
                              int);
extern int XSetCloseDownMode(Display *, int);
extern int XSetCommand(Display *, Window, char **, int);
extern int XSetDashes(Display *, GC, int, const char *, int);
extern XErrorHandler XSetErrorHandler(XErrorHandler);
extern int XSetFillRule(Display *, GC, int);
extern int XSetFillStyle(Display *, GC, int);
extern int XSetFont(Display *, GC, Font);
extern int XSetFontPath(Display *, char **, int);
extern int XSetForeground(Display *, GC, unsigned long int);
extern int XSetFunction(Display *, GC, int);
extern int XSetGraphicsExposures(Display *, GC, int);
extern void XSetICFocus(XIC);
extern char *XSetICValues(XIC, ...);
extern XIOErrorHandler XSetIOErrorHandler(XIOErrorHandler);
extern int XSetIconName(Display *, Window, const char *);
extern int XSetInputFocus(Display *, Window, int, Time);
extern int XSetLineAttributes(Display *, GC, unsigned int, int,
int, int);
extern char *XSetLocaleModifiers(const char *);
extern int XSetModifierMapping(Display *, XModifierKeymap *);
extern char *XSetOCValues(XOC, ...);
extern char *XSetOMValues(XOM, ...);
extern int XSetPlaneMask(Display *, GC, unsigned long int);
extern int XSetPointerMapping(Display *, const unsigned char *,
int);
extern int XSetScreenSaver(Display *, int, int, int, int);
extern int XSetSelectionOwner(Display *, Atom, Window, Time);
extern int XSetState(Display *, GC, unsigned long int, unsigned
long int,
                     int, unsigned long int);
extern int XSetStipple(Display *, GC, Pixmap);
extern int XSetSubwindowMode(Display *, GC, int);
extern int XSetTSOrigin(Display *, GC, int, int);
extern int XSetTile(Display *, GC, Pixmap);
extern int XSetTransientForHint(Display *, Window, Window);
extern int XSetWMColormapWindows(Display *, Window, Window *,
int);
extern int XSetWMProtocols(Display *, Window, Atom *, int);
extern int XSetWindowBackground(Display *, Window, unsigned long
int);
extern int XSetWindowBackgroundPixmap(Display *, Window, Pixmap);
extern int XSetWindowBorder(Display *, Window, unsigned long
int);
extern int XSetWindowBorderPixmap(Display *, Window, Pixmap);
extern int XSetWindowBorderWidth(Display *, Window, unsigned
int);
extern int XSetWindowColormap(Display *, Window, Colormap);
extern int XStoreBuffer(Display *, const char *, int, int);
extern int XStoreBytes(Display *, const char *, int);
extern int XStoreColor(Display *, Colormap, XColor *);
extern int XStoreColors(Display *, Colormap, XColor *, int);
extern int XStoreName(Display *, Window, const char *);
extern int XStoreNamedColor(Display *, Colormap, const char *,
```

```
                                unsigned long int, int);
extern KeySym XStringToKeysym(const char *);
extern int XSupportsLocale(void);
extern int XSync(Display *, int);
extern int (*XIDProc) (void) XSynchronize;
extern int XTextExtents(XFontStruct *, const char *, int, int *,
int *,
                           int *, XCharStruct *);
extern int XTextExtents16(XFontStruct *, XChar2b *, int, int *,
int *,
                             int *, XCharStruct *);
extern int XTextWidth(XFontStruct *, const char *, int);
extern int XTextWidth16(XFontStruct *, XChar2b *, int);
extern int XTranslateCoordinates(Display *, Window, Window, int,
int,
                                   int *, int *, Window *);
extern int XUndefineCursor(Display *, Window);
extern int XUngrabButton(Display *, unsigned int, unsigned int,
Window);
extern int XUngrabKey(Display *, int, unsigned int, Window);
extern int XUngrabKeyboard(Display *, Time);
extern int XUngrabPointer(Display *, Time);
extern int XUngrabServer(Display *);
extern int XUninstallColormap(Display *, Colormap);
extern int XUnloadFont(Display *, Font);
extern void XUnlockDisplay(Display *);
extern int XUnmapSubwindows(Display *, Window);
extern int XUnmapWindow(Display *, Window);
extern int XUnregisterIMInstantiateCallback(Display *,
                                            struct
_XrmHashBucketRec *,
                                            char   *,   char   *,
XIDProc,
                                            XPointer);
extern void XUnsetICFocus(XIC);
extern XVaNestedList XVaCreateNestedList(int, ...);
extern int XVendorRelease(Display *);
extern VisualID XVisualIDFromVisual(Visual *);
extern int XWarpPointer(Display *, Window, Window, int, int,
unsigned int,
                           unsigned int, int, int);
extern unsigned long int XWhitePixel(Display *, int);
extern unsigned long int XWhitePixelOfScreen(Screen *);
extern int XWidthMMOfScreen(Screen *);
extern int XWidthOfScreen(Screen *);
extern int XWindowEvent(Display *, Window, long int, XEvent *);
extern int XWithdrawWindow(Display *, Window, int);
extern int XWriteBitmapFile(Display *, const char *, Pixmap,
unsigned int,
                                unsigned int, int, int);
extern void XmbDrawImageString(Display *, Drawable, XFontSet, GC,
int, int,
                                   const char *, int);
extern void XmbDrawString(Display *, Drawable, XFontSet, GC, int,
int,
                             const char *, int);
extern void XmbDrawText(Display *, Drawable, GC, int, int,
XmbTextItem *,
                           int);
extern int XmbLookupString(XIC, XKeyPressedEvent *, char *, int,
KeySym *,
                              int *);
extern char *XmbResetIC(XIC);
extern int XmbTextEscapement(XFontSet, const char *, int);
extern int XmbTextExtents(XFontSet, const char *, int, XRectangle
*,
```

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```
                          XRectangle *);
extern int XmbTextPerCharExtents(XFontSet, const char *, int,
XRectangle *,
                                XRectangle *, int, int *,
XRectangle *,
                                XRectangle *);
extern void XrmInitialize(void);
extern void XwcDrawImageString(Display *, Drawable, XFontSet, GC,
int, int,
                              wchar_t *, int);
extern void XwcDrawString(Display *, Drawable, XFontSet, GC, int,
int,
                          wchar_t *, int);
extern void XwcDrawText(Display *, Drawable, GC, int, int,
XwcTextItem *,
                        int);
extern int XwcLookupString(XIC, XKeyPressedEvent *, wchar_t *,
int,
                           KeySym *, int *);
extern wchar_t *XwcResetIC(XIC);
extern int XwcTextEscapement(XFontSet, wchar_t *, int);
extern int XwcTextExtents(XFontSet, wchar_t *, int, XRectangle *,
                          XRectangle *);
extern int XwcTextPerCharExtents(XFontSet, wchar_t *, int,
XRectangle *,
                                XRectangle *, int, int *,
XRectangle *,
                                XRectangle *);
```

6.2.6 X11/Xresource.h

```
extern void XrmCombineDatabase(XrmDatabase, XrmDatabase *, int);
extern int XrmCombineFileDatabase(const char *, XrmDatabase *,
int);
extern void XrmDestroyDatabase(XrmDatabase);
extern int XrmEnumerateDatabase(XrmDatabase, XrmNameList,
XrmClassList,
                               int, int, XPointer);
extern XrmDatabase XrmGetDatabase(Display *);
extern XrmDatabase XrmGetFileDatabase(const char *);
extern int XrmGetResource(XrmDatabase, const char *, const char
*, char **,
                          XrmValue *);
extern XrmDatabase XrmGetStringDatabase(const char *);
extern const char *XrmLocaleOfDatabase(XrmDatabase);
extern void XrmMergeDatabases(XrmDatabase, XrmDatabase *);
extern void XrmParseCommand(XrmDatabase *, XrmOptionDescList,
int,
                            const char *, int *, char **);
extern XrmQuark XrmPermStringToQuark(const char *);
extern void XrmPutFileDatabase(XrmDatabase, const char *);
extern void XrmPutLineResource(XrmDatabase *, const char *);
extern void XrmPutResource(XrmDatabase *, const char *, const
char *,
                           XrmValue *);
extern void XrmPutStringResource(XrmDatabase *, const char *,
                                const char *);
extern int XrmQGetResource(XrmDatabase, XrmNameList,
XrmClassList,
                           XrmRepresentation *, XrmValue *);
extern int XrmQGetSearchList(XrmDatabase, XrmNameList,
XrmClassList,
                             XrmSearchList, int);
extern int XrmQGetSearchResource(XrmSearchList, XrmName,
XrmClass,
```

```
                                    XrmRepresentation   *,   XrmValue
*);
extern   void   XrmQPutResource(XrmDatabase   *,   XrmBindingList,
XrmQuarkList,
                              XrmRepresentation, XrmValue *);
extern void XrmQPutStringResource(XrmDatabase *, XrmBindingList,
                                  XrmQuarkList, const char *);
extern XrmString XrmQuarkToString(XrmQuark);
extern void XrmSetDatabase(Display *, XrmDatabase);
extern    void    XrmStringToBindingQuarkList(const    char    *,
XrmBindingList,
                                         XrmQuarkList);
extern XrmQuark XrmStringToQuark(const char *);
extern void XrmStringToQuarkList(const char *, XrmQuarkList);
extern XrmQuark XrmUniqueQuark(void);
```

6.2.7 X11/Xutil.h

```
typedef struct
    XSizeHints;
typedef struct
    XWMHints;
typedef struct
    XTextProperty;
typedef struct
    XIconSize;
typedef struct
    XClassHint;
typedef struct _XComposeStatus {
    XPointer compose_ptr;
    int chars_matched;
} XComposeStatus;
typedef struct _XRegion *Region;
typedef struct
    XVisualInfo;
typedef struct
    XStandardColormap;
typedef int XContext;
typedef enum XICCEncodingStyle;
extern int XAddPixel(void);
extern XClassHint *XAllocClassHint(void);
extern XIconSize *XAllocIconSize(void);
extern XSizeHints *XAllocSizeHints(void);
extern XStandardColormap *XAllocStandardColormap(void);
extern XWMHints *XAllocWMHints(void);
extern int XClipBox(Region, XRectangle *);
extern void XConvertCase(KeySym, KeySym *, KeySym *);
extern Region XCreateRegion(void);
extern const char *XDefaultString(void);
extern int XDeleteContext(Display *, XID, XContext);
extern int XDestroyImage(XImage *);
extern int XDestroyRegion(Region);
extern int XEmptyRegion(Region);
extern int XEqualRegion(Region, Region);
extern int XFindContext(Display *, XID, XContext, XPointer *);
extern int XGetClassHint(Display *, Window, XClassHint *);
extern  int  XGetIconSizes(Display  *,  Window,  XIconSize  *  *,  int
*);
extern int XGetNormalHints(Display *, Window, XSizeHints *);
extern unsigned long int XGetPixel(void);
extern  int  XGetRGBColormaps(Display  *,  Window,  XStandardColormap
* *,
                              int *, Atom);
extern int XGetSizeHints(Display *, Window, XSizeHints *, Atom);
```

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```
extern int XGetStandardColormap(Display *, Window,
XStandardColormap *,
                                Atom);
extern int XGetTextProperty(Display *, Window, XTextProperty *,
Atom);
extern XVisualInfo *XGetVisualInfo(Display *, long int,
XVisualInfo *,
                                   int *);
extern int XGetWMClientMachine(Display *, Window, XTextProperty
*);
extern XWMHints *XGetWMHints(Display *, Window);
extern int XGetWMIconName(Display *, Window, XTextProperty *);
extern int XGetWMName(Display *, Window, XTextProperty *);
extern int XGetWMNormalHints(Display *, Window, XSizeHints *,
long int *);
extern int XGetWMSizeHints(Display *, Window, XSizeHints *, long
int *,
                           Atom);
extern int XGetZoomHints(Display *, Window, XSizeHints *);
extern int XIntersectRegion(Region, Region, Region);
extern int XLookupString(XKeyEvent *, char *, int, KeySym *,
                         XComposeStatus *);
extern int XMatchVisualInfo(Display *, int, int, int, XVisualInfo
*);
extern int XOffsetRegion(Region, int, int);
extern int XPointInRegion(Region, int, int);
extern Region XPolygonRegion(XPoint *, int, int);
extern int XPutPixel(void);
extern int XRectInRegion(Region, int, int, unsigned int, unsigned
int);
extern int XSaveContext(Display *, XID, XContext, const char *);
extern int XSetClassHint(Display *, Window, XClassHint *);
extern int XSetIconSizes(Display *, Window, XIconSize *, int);
extern int XSetNormalHints(Display *, Window, XSizeHints *);
extern void XSetRGBColormaps(Display *, Window, XStandardColormap
*, int,
                             Atom);
extern int XSetRegion(Display *, GC, Region);
extern int XSetSizeHints(Display *, Window, XSizeHints *, Atom);
extern void XSetStandardColormap(Display *, Window,
XStandardColormap *,
                                 Atom);
extern int XSetStandardProperties(Display *, Window, const char
*,
                                  const char *, Pixmap, char **,
int,
                                  XSizeHints *);
extern void XSetTextProperty(Display *, Window, XTextProperty *,
Atom);
extern void XSetWMClientMachine(Display *, Window, XTextProperty
*);
extern int XSetWMHints(Display *, Window, XWMHints *);
extern void XSetWMIconName(Display *, Window, XTextProperty *);
extern void XSetWMName(Display *, Window, XTextProperty *);
extern void XSetWMNormalHints(Display *, Window, XSizeHints *);
extern void XSetWMProperties(Display *, Window, XTextProperty *,
                             XTextProperty *, char **, int,
XSizeHints *,
                             XWMHints *, XClassHint *);
extern void XSetWMSizeHints(Display *, Window, XSizeHints *,
Atom);
extern int XSetZoomHints(Display *, Window, XSizeHints *);
extern int XShrinkRegion(Region, int, int);
extern int XStringListToTextProperty(char **, int, XTextProperty
*);
extern XImage *XSubImage(void);
```

```
extern int XSubtractRegion(Region, Region, Region);
extern int XTextPropertyToStringList(XTextProperty *, char ***,
int *);
extern int XUnionRectWithRegion(XRectangle *, Region, Region);
extern int XUnionRegion(Region, Region, Region);
extern int XWMGeometry(Display *, int, const char *, const char
*,
                      unsigned int, XSizeHints *, int *, int *,
int *,
                      int *, int *);
extern int XXorRegion(Region, Region, Region);
extern void XmbSetWMProperties(Display *, Window, const char *,
                               const char *, char **, int,
XSizeHints *,
                               XWMHints *, XClassHint *);
extern int XmbTextListToTextProperty(Display *, char **, int,
                                     XICCEncodingStyle,
XTextProperty *);
extern int XmbTextPropertyToTextList(Display *, XTextProperty *,
char ***,
                                     int *);
extern void XwcFreeStringList(wchar_t * *);
extern int XwcTextListToTextProperty(Display *, wchar_t * *, int,
                                     XICCEncodingStyle,
XTextProperty *);
extern int XwcTextPropertyToTextList(Display *, XTextProperty *,
                                     wchar_t * **, int *);
extern int Xutf8TextPropertyToTextList(Display *, XTextProperty
*,
                                       char ***, int *);
extern int Xutf8TextListToTextProperty(Display *, char **, int,
                                       XICCEncodingStyle,
XTextProperty *);
```

6.3 Interface Definitions for libX11

The interfaces defined on the following pages are included in libX11 and are defined by this specification. Unless otherwise noted, these interfaces shall be included in the source standard.

Other interfaces listed in Section 6.1 shall behave as described in the referenced base document.

6.4 Interfaces for libSM

Table 6-4 defines the library name and shared object name for the libSM library

Table 6-4 libSM Definition

Library:	libSM
SONAME:	libSM.so.6

The behavior of the interfaces in this library is specified by the following specifications:

[XSM] X11 Session Management

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6.4.1 Session Management Functions

6.4.1.1 Interfaces for Session Management Functions

An LSB conforming implementation shall provide the generic functions for Session Management Functions specified in Table 6-5, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-5 libSM - Session Management Functions Function Interfaces

SmFreeProperty [XSM]	SmFreeReasons [XSM]	SmcClientID [XSM]	SmcCloseConnection [XSM]
SmcDeleteProperties [XSM]	SmcGetIceConnection [XSM]	SmcGetProperties [XSM]	SmcInteractDone [XSM]
SmcInteractRequest [XSM]	SmcModifyCallbacks [XSM]	SmcOpenConnection [XSM]	SmcProtocolRevision [XSM]
SmcProtocolVersion [XSM]	SmcRelease [XSM]	SmcRequestSaveYourself [XSM]	SmcRequestSaveYourselfPhase2 [XSM]
SmcSaveYourselfDone [XSM]	SmcSetErrorHandler [XSM]	SmcSetProperties [XSM]	SmcVendor [XSM]
SmsCleanUp [XSM]	SmsClientHostName [XSM]	SmsClientID [XSM]	SmsDie [XSM]
SmsGenerateClientID [XSM]	SmsGetIceConnection [XSM]	SmsInitialize [XSM]	SmsInteract [XSM]
SmsProtocolRevision [XSM]	SmsProtocolVersion [XSM]	SmsRegisterClientReply [XSM]	SmsReturnProperties [XSM]
SmsSaveComplete [XSM]	SmsSaveYourself [XSM]	SmsSaveYourselfPhase2 [XSM]	SmsSetErrorHandler [XSM]
SmsShutdownCancelled [XSM]			

6.5 Data Definitions for libSM

This section defines global identifiers and their values that are associated with interfaces contained in libSM. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and application developers should use this ABI to supplement - not to replace - source interface definition specifications.

This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

6.5.1 X11/SM/SMlib.h

```
typedef IcePointer SmPointer;
typedef struct _SmcConn *SmcConn;
typedef struct _SmsConn *SmsConn;

typedef struct {
    int length;
    SmPointer value;
} SmPropValue;
typedef struct {
    char *name;
    char *type;
    int num_vals;
    SmPropValue *vals;
} SmProp;

typedef enum {
    SmcClosedNow,
    SmcClosedASAP,
    SmcConnectionInUse
} SmcCloseStatus;

typedef void (*SmcSaveYourselfPhase2Proc) (void);
typedef void (*SmcInteractProc) (void);
typedef void (*SmcDieProc) (void);
typedef void (*SmcShutdownCancelledProc) (void);
typedef void (*SmcSaveCompleteProc) (void);
typedef void (*SmcPropReplyProc) (void);

typedef struct {
    SmcShutdownCancelledProc callback;
    SmPointer client_data;
} SmcCallbacks;

typedef void (*SmsSetPropertiesProc) (void);
typedef void (*SmsDeletePropertiesProc) (void);
typedef void (*SmsGetPropertiesProc) (void);

typedef struct {
    SmsGetPropertiesProc callback;
    SmPointer manager_data;
} SmsCallbacks;

typedef int (*SmsNewClientProc) (void);

typedef void (*SmcErrorHandler) (void);
typedef void (*SmsErrorHandler) (void);

extern void SmFreeProperty(SmProp *);
extern void SmFreeReasons(int, char **);
extern char *SmcClientID(SmcConn);
extern SmcCloseStatus SmcCloseConnection(SmcConn, int, char **);
extern void SmcDeleteProperties(SmcConn, int, char **);
extern IceConn SmcGetIceConnection(SmcConn);
extern     int     SmcGetProperties(SmcConn,     SmcPropReplyProc,
SmPointer);
extern void SmcInteractDone(SmcConn, int);
extern  int  SmcInteractRequest(SmcConn,  int,  SmcInteractProc,
SmPointer);
extern  void  SmcModifyCallbacks(SmcConn,  unsigned  long  int,
SmcCallbacks *);
extern SmcConn SmcOpenConnection(char *, SmPointer, int, int,
                                 unsigned long int, SmcCallbacks
*, char *,
```

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```
                                char **, int, char *);
extern int SmcProtocolRevision(SmcConn);
extern int SmcProtocolVersion(SmcConn);
extern char *SmcRelease(SmcConn);
extern void SmcRequestSaveYourself(SmcConn, int, int, int, int,
int);
extern int SmcRequestSaveYourselfPhase2(SmcConn,
SmcSaveYourselfPhase2Proc,
                                        SmPointer);
extern void SmcSaveYourselfDone(SmcConn, int);
extern SmcErrorHandler SmcSetErrorHandler(SmcErrorHandler);
extern void SmcSetProperties(SmcConn, int, SmProp * *);
extern char *SmcVendor(SmcConn);
extern void SmsCleanUp(SmsConn);
extern char *SmsClientHostName(SmsConn);
extern char *SmsClientID(SmsConn);
extern void SmsDie(SmsConn);
extern char *SmsGenerateClientID(SmsConn);
extern IceConn SmsGetIceConnection(SmsConn);
extern int SmsInitialize(char *, char *, SmsNewClientProc,
SmPointer,
                         IceHostBasedAuthProc, int, char *);
extern void SmsInteract(SmsConn);
extern int SmsProtocolRevision(SmsConn);
extern int SmsProtocolVersion(SmsConn);
extern int SmsRegisterClientReply(SmsConn, char *);
extern void SmsReturnProperties(SmsConn, int, SmProp * *);
extern void SmsSaveComplete(SmsConn);
extern void SmsSaveYourself(SmsConn, int, int, int, int);
extern void SmsSaveYourselfPhase2(SmsConn);
extern SmsErrorHandler SmsSetErrorHandler(SmsErrorHandler);
extern void SmsShutdownCancelled(SmsConn);
```

6.6 Interfaces for libICE

Table 6-6 defines the library name and shared object name for the libICE library

Table 6-6 libICE Definition

Library:	libICE
SONAME:	libICE.so.6

The behavior of the interfaces in this library is specified by the following specifications:

[XICE] X11 Inter-Client Exchange

6.6.1 ICE Functions

6.6.1.1 Interfaces for ICE Functions

An LSB conforming implementation shall provide the generic functions for ICE Functions specified in Table 6-7, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-7 libICE - ICE Functions Function Interfaces

IceAcceptConnection [XICE]	IceAddConnectionWatch [XICE]	IceAllocScratch [XICE]	IceAppLockConn [XICE]
IceAppUnlockConn [XICE]	IceAuthFileName [XICE]	IceCheckShutdownNegotiation	IceCloseConnection [XICE]

		[XICE]	
IceComposeNetworkIdList [XICE]	IceConnectionNumber [XICE]	IceConnectionStatus [XICE]	IceConnectionString [XICE]
IceFlush [XICE]	IceFreeAuthFileEntry [XICE]	IceFreeListenObjs [XICE]	IceGenerateMagicCookie [XICE]
IceGetAuthFileEntry [XICE]	IceGetConnectionContext [XICE]	IceGetInBufSize [XICE]	IceGetListenConnectionNumber [XICE]
IceGetListenConnectionString [XICE]	IceGetOutBufSize [XICE]	IceInitThreads [XICE]	IceLastReceivedSequenceNumber [XICE]
IceLastSentSequenceNumber [XICE]	IceListenForConnections [XICE]	IceListenForWellKnownConnections [XICE]	IceLockAuthFile [XICE]
IceOpenConnection [XICE]	IcePing [XICE]	IceProcessMessages [XICE]	IceProtocolRevision [XICE]
IceProtocolSetup [XICE]	IceProtocolShutdown [XICE]	IceProtocolVersion [XICE]	IceReadAuthFileEntry [XICE]
IceRegisterForProtocolReply [XICE]	IceRegisterForProtocolSetup [XICE]	IceRelease [XICE]	IceRemoveConnectionWatch [XICE]
IceSetErrorHandler [XICE]	IceSetHostBasedAuthProc [XICE]	IceSetIOErrorHandler [XICE]	IceSetPaAuthData [XICE]
IceSetShutdownNegotiation [XICE]	IceSwapping [XICE]	IceUnlockAuthFile [XICE]	IceVendor [XICE]
IceWriteAuthFileEntry [XICE]			

6.7 Data Definitions for libICE

This section defines global identifiers and their values that are associated with interfaces contained in libICE. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and application developers should use this ABI to supplement - not to replace - source interface definition specifications.

This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

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6.7.1 X11/ICE/ICElib.h

```
typedef void *IcePointer;
typedef enum {
    IcePoAuthHaveReply,
    IcePoAuthRejected,
    IcePoAuthFailed,
    IcePoAuthDoneCleanup
} IcePoAuthStatus;
typedef enum {
    IcePaAuthContinue,
    IcePaAuthAccepted,
    IcePaAuthRejected,
    IcePaAuthFailed
} IcePaAuthStatus;
typedef enum {
    IceConnectPending,
    IceConnectAccepted,
    IceConnectRejected,
    IceConnectIOError
} IceConnectStatus;
typedef enum {
    IceProtocolSetupSuccess,
    IceProtocolSetupFailure,
    IceProtocolSetupIOError,
    IceProtocolAlreadyActive
} IceProtocolSetupStatus;
typedef enum {
    IceAcceptSuccess,
    IceAcceptFailure,
    IceAcceptBadMalloc
} IceAcceptStatus;
typedef enum {
    IceClosedNow,
    IceClosedASAP,
    IceConnectionInUse,
    IceStartedShutdownNegotiation
} IceCloseStatus;
typedef enum {
    IceProcessMessagesSuccess,
    IceProcessMessagesIOError,
    IceProcessMessagesConnectionClosed
} IceProcessMessagesStatus;

typedef struct {
    unsigned long int sequence_of_request;
    int major_opcode_of_request;
    int minor_opcode_of_request;
    IcePointer reply;
} IceReplyWaitInfo;

typedef struct _IceConn *IceConn;
typedef struct _IceListenObj *IceListenObj;

typedef void (*IceWatchProc) (void);
typedef void (*IcePoProcessMsgProc) (void);
typedef void (*IcePaProcessMsgProc) (void);
typedef IcePoAuthStatus(*IcePoAuthProc) (void);
typedef IcePaAuthStatus(*IcePaAuthProc) (void);
typedef int (*IceHostBasedAuthProc) (void);
typedef int (*IceProtocolSetupProc) (void);
typedef void (*IceProtocolActivateProc) (void);
typedef void (*IceIOErrorProc) (void);
typedef void (*IcePingReplyProc) (void);
typedef void (*IceErrorHandler) (void);
```

```
typedef void (*IceIOErrorHandler) (void);

typedef struct {
    int major_version;
    int minor_version;
    IcePoProcessMsgProc process_msg_proc;
} IcePoVersionRec;
typedef struct {
    int major_version;
    int minor_version;
    IcePaProcessMsgProc process_msg_proc;
} IcePaVersionRec;
extern  IceConn  IceAcceptConnection(IceListenObj,  IceAcceptStatus
*);
extern int IceAddConnectionWatch(IceWatchProc, IcePointer);
extern char *IceAllocScratch(IceConn, unsigned long int);
extern void IceAppLockConn(IceConn);
extern void IceAppUnlockConn(IceConn);
extern int IceCheckShutdownNegotiation(IceConn);
extern IceCloseStatus IceCloseConnection(IceConn);
extern char *IceComposeNetworkIdList(int, IceListenObj *);
extern int IceConnectionNumber(IceConn);
extern IceConnectStatus IceConnectionStatus(IceConn);
extern char *IceConnectionString(IceConn);
extern int IceFlush(IceConn);
extern void IceFreeListenObjs(int, IceListenObj *);
extern IcePointer IceGetConnectionContext(IceConn);
extern int IceGetInBufSize(IceConn);
extern int IceGetListenConnectionNumber(IceListenObj);
extern char *IceGetListenConnectionString(IceListenObj);
extern int IceGetOutBufSize(IceConn);
extern int IceInitThreads(void);
extern unsigned long int IceLastReceivedSequenceNumber(IceConn);
extern unsigned long int IceLastSentSequenceNumber(IceConn);
extern int IceListenForConnections(int *, IceListenObj * *, int,
char *);
extern int IceListenForWellKnownConnections(char *, int *,
                                            IceListenObj   *   *,
int, char *);
extern  IceConn  IceOpenConnection(char  *,  IcePointer,  int,  int,
int,
                                   char *);
extern int IcePing(IceConn, IcePingReplyProc, IcePointer);
extern IceProcessMessagesStatus IceProcessMessages(IceConn,

IceReplyWaitInfo *,
                                                       int *);
extern int IceProtocolRevision(IceConn);
extern   IceProtocolSetupStatus   IceProtocolSetup(IceConn,   int,
IcePointer,
                                                 int, int *, int *,
char **,
                                                 char **, int, char
*);
extern int IceProtocolShutdown(IceConn, int);
extern int IceProtocolVersion(IceConn);
extern  int  IceRegisterForProtocolReply(char  *,  char  *,  char  *,
int,
                                         IcePaVersionRec   *,   int,
char **,
                                         IcePaAuthProc *,
                                         IceHostBasedAuthProc,
                                         IceProtocolSetupProc,
                                         IceProtocolActivateProc,
                                         IceIOErrorProc);
```

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```
extern int IceRegisterForProtocolSetup(char *, char *, char *,
int,
                                        IcePoVersionRec   *,   int,
char **,
                                        IcePoAuthProc            *,
IceIOErrorProc);
extern char *IceRelease(IceConn);
extern void IceRemoveConnectionWatch(IceWatchProc, IcePointer);
extern IceErrorHandler IceSetErrorHandler(IceErrorHandler);
extern         void         IceSetHostBasedAuthProc(IceListenObj,
IceHostBasedAuthProc);
extern IceIOErrorHandler IceSetIOErrorHandler(IceIOErrorHandler);
extern void IceSetShutdownNegotiation(IceConn, int);
extern int IceSwapping(IceConn);
extern char *IceVendor(IceConn);
```

6.7.2 X11/ICE/ICEutil.h

```
typedef struct {
    char *protocol_name;
    unsigned short protocol_data_length;
    char *protocol_data;
    char *network_id;
    char *auth_name;
    unsigned short auth_data_length;
    char *auth_data;
} IceAuthFileEntry;
typedef struct {
    char *protocol_name;
    char *network_id;
    char *auth_name;
    unsigned short auth_data_length;
    char *auth_data;
} IceAuthDataEntry;
extern char *IceAuthFileName(void);
extern void IceFreeAuthFileEntry(IceAuthFileEntry *);
extern char *IceGenerateMagicCookie(int);
extern IceAuthFileEntry *IceGetAuthFileEntry(char *, char *, char
*);
extern int IceLockAuthFile(char *, int, int, long int);
extern IceAuthFileEntry *IceReadAuthFileEntry(FILE);
extern void IceSetPaAuthData(int, IceAuthDataEntry *);
extern void IceUnlockAuthFile(char *);
extern int IceWriteAuthFileEntry(FILE, IceAuthFileEntry *);
```

6.8 Interfaces for libXt

Table 6-8 defines the library name and shared object name for the libXt library

Table 6-8 libXt Definition

Library:	libXt
SONAME:	libXt.so.6

The behavior of the interfaces in this library is specified by the following specifications:

[LSB] This Specification
[Xt] X11 Toolkit Intrinsics

6.8.1 X Toolkit

6.8.1.1 Interfaces for X Toolkit

An LSB conforming implementation shall provide the generic functions for X Toolkit specified in Table 6-9, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-9 libXt - X Toolkit Function Interfaces

XtAddActions [Xt]	XtAddCallback [Xt]	XtAddCallbacks [Xt]	XtAddConverter [Xt]
XtAddEventHandler [Xt]	XtAddExposureToRegion [Xt]	XtAddGrab [Xt]	XtAddInput [Xt]
XtAddRawEventHandler [Xt]	XtAddSignal [Xt]	XtAddTimeOut [Xt]	XtAddWorkProc [Xt]
XtAllocateGC [Xt]	XtAppAddActionHook [Xt]	XtAppAddActions [Xt]	XtAppAddBlockHook [Xt]
XtAppAddConverter [Xt]	XtAppAddInput [Xt]	XtAppAddSignal [Xt]	XtAppAddTimeOut [Xt]
XtAppAddWorkProc [Xt]	XtAppCreateShell [Xt]	XtAppError [Xt]	XtAppErrorMsg [Xt]
XtAppGetErrorDatabase [Xt]	XtAppGetErrorDatabaseText [Xt]	XtAppGetExitFlag [Xt]	XtAppGetSelectionTimeout [Xt]
XtAppInitialize [Xt]	XtAppLock [Xt]	XtAppMainLoop [Xt]	XtAppNextEvent [Xt]
XtAppPeekEvent [Xt]	XtAppPending [Xt]	XtAppProcessEvent [Xt]	XtAppReleaseCacheRefs [Xt]
XtAppSetErrorHandler [Xt]	XtAppSetErrorMsgHandler [Xt]	XtAppSetExitFlag [Xt]	XtAppSetFallbackResources [Xt]
XtAppSetSelectionTimeout [Xt]	XtAppSetTypeConverter [Xt]	XtAppSetWarningHandler [Xt]	XtAppSetWarningMsgHandler [Xt]
XtAppUnlock [Xt]	XtAppWarning [Xt]	XtAppWarningMsg [Xt]	XtAugmentTranslations [Xt]
XtBuildEventMask [Xt]	XtCallAcceptFocus [Xt]	XtCallActionProc [Xt]	XtCallCallbackList [Xt]
XtCallCallbacks [Xt]	XtCallConverter [Xt]	XtCallbackExclusive [Xt]	XtCallbackNone [Xt]
XtCallbackNonexclusive [Xt]	XtCallbackPopdown [Xt]	XtCallbackReleaseCacheRef [Xt]	XtCallbackReleaseCacheRefList [Xt]
XtCalloc [Xt]	XtCancelSelectionRequest [Xt]	XtChangeManagedSet [Xt]	XtClass [Xt]
XtCloseDisplay [Xt]	XtConfigureWidget [Xt]	XtConvert [Xt]	XtConvertAndStore [Xt]

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XtConvertCase [Xt]	XtCreateApplicationContext [Xt]	XtCreateApplicationShell [Xt]	XtCreateManagedWidget [Xt]
XtCreatePopupShell [Xt]	XtCreateSelectionRequest [Xt]	XtCreateWidget [Xt]	XtCreateWindow [Xt]
XtCvtColorToPixel [Xt]	XtCvtIntToBool [Xt]	XtCvtIntToBoolean [Xt]	XtCvtIntToColor [Xt]
XtCvtIntToFloat [Xt]	XtCvtIntToFont [Xt]	XtCvtIntToPixel [Xt]	XtCvtIntToPixmap [Xt]
XtCvtIntToShort [Xt]	XtCvtIntToUnsignedChar [Xt]	XtCvtStringToAcceleratorTable [Xt]	XtCvtStringToAtom [Xt]
XtCvtStringToBool [Xt]	XtCvtStringToBoolean [Xt]	XtCvtStringToCommandArgArray [Xt]	XtCvtStringToCursor [Xt]
XtCvtStringToDimension [Xt]	XtCvtStringToDirectoryString [Xt]	XtCvtStringToDisplay [Xt]	XtCvtStringToFile [Xt]
XtCvtStringToFloat [Xt]	XtCvtStringToFont [Xt]	XtCvtStringToFontSet [Xt]	XtCvtStringToFontStruct [Xt]
XtCvtStringToGravity [Xt]	XtCvtStringToInitialState [Xt]	XtCvtStringToInt [Xt]	XtCvtStringToPixel [Xt]
XtCvtStringToRestartStyle [Xt]	XtCvtStringToShort [Xt]	XtCvtStringToTranslationTable [Xt]	XtCvtStringToUnsignedChar [Xt]
XtCvtStringToVisual [Xt]	XtDatabase [Xt]	XtDestroyApplicationContext [Xt]	XtDestroyGC [Xt]
XtDestroyWidget [Xt]	XtDirectConvert [Xt]	XtDisownSelection [Xt]	XtDispatchEvent [Xt]
XtDispatchEventToWidget [Xt]	XtDisplay [Xt]	XtDisplayInitialize [Xt]	XtDisplayOfObject [Xt]
XtDisplayStringConversionWarning [Xt]	XtDisplayToApplicationContext [Xt]	XtError [Xt]	XtErrorMsg [Xt]
XtFindFile [Xt]	XtFree [Xt]	XtGetActionKeysym [Xt]	XtGetActionList [Xt]
XtGetApplicationNameAndClass [Xt]	XtGetApplicationResources [Xt]	XtGetClassExtension [Xt]	XtGetConstraintResourceList [Xt]
XtGetDisplays [Xt]	XtGetErrorDatabase [Xt]	XtGetErrorDatabaseText [Xt]	XtGetGC [Xt]
XtGetKeyboardFocusWidget [Xt]	XtGetKeysymTable [Xt]	XtGetMultiClickTime [Xt]	XtGetResourceList [Xt]
XtGetSelectionParameters [Xt]	XtGetSelectionRequest [Xt]	XtGetSelectionTimeout [Xt]	XtGetSelectionValue [Xt]

XtGetSelectionValueIncremental [Xt]	XtGetSelectionValues [Xt]	XtGetSelectionValuesIncremental [Xt]	XtGetSubresources [Xt]
XtGetSubvalues [Xt]	XtGetValues [Xt]	XtGrabButton [Xt]	XtGrabKey [Xt]
XtGrabKeyboard [Xt]	XtGrabPointer [Xt]	XtHasCallbacks [Xt]	XtHooksOfDisplay [Xt]
XtInitialize [Xt]	XtInitializeWidgetClass [Xt]	XtInsertEventHandler [Xt]	XtInsertEventTypeHandler [Xt]
XtInsertRawEventHandler [Xt]	XtInstallAccelerators [Xt]	XtInstallAllAccelerators [Xt]	XtIsApplicationShell [Xt]
XtIsComposite [Xt]	XtIsConstraint [Xt]	XtIsManaged [Xt]	XtIsObject [Xt]
XtIsOverrideShell [Xt]	XtIsRealized [Xt]	XtIsRectObj [Xt]	XtIsSensitive [Xt]
XtIsSessionShell [Xt]	XtIsShell [Xt]	XtIsSubclass [Xt]	XtIsTopLevelShell [Xt]
XtIsTransientShell [Xt]	XtIsVendorShell [Xt]	XtIsWMShell [Xt]	XtIsWidget [Xt]
XtKeysymToKeycodeList [Xt]	XtLastEventProcessed [Xt]	XtLastTimestampProcessed [Xt]	XtMainLoop [Xt]
XtMakeGeometryRequest [Xt]	XtMakeResizeRequest [Xt]	XtMalloc [Xt]	XtManageChild [Xt]
XtManageChildren [Xt]	XtMapWidget [Xt]	XtMenuPopupAction [Xt]	XtMergeArgLists [Xt]
XtMoveWidget [Xt]	XtName [Xt]	XtNameToWidget [Xt]	XtNewString [Xt]
XtNextEvent [Xt]	XtNoticeSignal [Xt]	XtOpenApplication [Xt]	XtOpenDisplay [Xt]
XtOverrideTranslations [Xt]	XtOwnSelection [Xt]	XtOwnSelectionIncremental [Xt]	XtParent [Xt]
XtParseAcceleratorTable [Xt]	XtParseTranslationTable [Xt]	XtPeekEvent [Xt]	XtPending [Xt]
XtPopdown [Xt]	XtPopup [Xt]	XtPopupSpringLoaded [Xt]	XtProcessEvent [Xt]
XtProcessLock [Xt]	XtProcessUnlock [Xt]	XtQueryGeometry [Xt]	XtRealizeWidget [Xt]
XtRealloc [Xt]	XtRegisterCaseConverter [Xt]	XtRegisterDrawable [Xt]	XtRegisterExtensionSelector [Xt]
XtRegisterGrabAction [Xt]	XtReleaseGC [Xt]	XtReleasePropertyAtom [Xt]	XtRemoveActionHook [Xt]
XtRemoveAllCall	XtRemoveBlock	XtRemoveCallba	XtRemoveCallba

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backs [Xt]	Hook [Xt]	ck [Xt]	cks [Xt]
XtRemoveEvent Handler [Xt]	XtRemoveEvent TypeHandler [Xt]	XtRemoveGrab [Xt]	XtRemoveInput [Xt]
XtRemoveRawE ventHandler [Xt]	XtRemoveSignal [Xt]	XtRemoveTimeO ut [Xt]	XtRemoveWorkP roc [Xt]
XtReserveProper tyAtom [Xt]	XtResizeWidget [Xt]	XtResizeWindow [Xt]	XtResolvePathna me [Xt]
XtScreen [Xt]	XtScreenDatabas e [Xt]	XtScreenOfObjec t [Xt]	XtSendSelection Request [Xt]
XtSessionGetTok en [Xt]	XtSessionReturn Token [Xt]	XtSetErrorHandl er [Xt]	XtSetErrorMsgH andler [Xt]
XtSetEventDispa tcher [Xt]	XtSetKeyTranslat or [Xt]	XtSetKeyboardF ocus [Xt]	XtSetLanguagePr oc [Xt]
XtSetMappedWh enManaged [Xt]	XtSetMultiClickT ime [Xt]	XtSetSelectionPa rameters [Xt]	XtSetSelectionTi meout [Xt]
XtSetSensitive [Xt]	XtSetSubvalues [Xt]	XtSetTypeConve rter [Xt]	XtSetValues [Xt]
XtSetWMColorm apWindows [Xt]	XtSetWarningHa ndler [Xt]	XtSetWarningMs gHandler [Xt]	XtStringConversi onWarning [Xt]
XtSuperclass [Xt]	XtToolkitInitializ e [Xt]	XtToolkitThreadI nitialize [Xt]	XtTranslateCoor ds [Xt]
XtTranslateKey [Xt]	XtTranslateKeyc ode [Xt]	XtUngrabButton [Xt]	XtUngrabKey [Xt]
XtUngrabKeyboa rd [Xt]	XtUngrabPointer [Xt]	XtUninstallTrans lations [Xt]	XtUnmanageChil d [Xt]
XtUnmanageChil dren [Xt]	XtUnmapWidget [Xt]	XtUnrealizeWidg et [Xt]	XtUnregisterDra wable [Xt]
XtVaAppCreateS hell [Xt]	XtVaAppInitializ e [Xt]	XtVaCreateArgs List [Xt]	XtVaCreateMana gedWidget [Xt]
XtVaCreatePopu pShell [Xt]	XtVaCreateWidg et [Xt]	XtVaGetApplicat ionResources [Xt]	XtVaGetSubreso urces [Xt]
XtVaGetSubvalu es [Xt]	XtVaGetValues [Xt]	XtVaOpenApplic ation [Xt]	XtVaSetSubvalue s [Xt]
XtVaSetValues [Xt]	XtWarning [Xt]	XtWarningMsg [Xt]	XtWidgetToAppl icationContext [Xt]
XtWindow [Xt]	XtWindowOfObj ect [Xt]	XtWindowToWi dget [Xt]	_XtCheckSubclas sFlag [Xt]
_XtCopyFromAr g [LSB]	_XtInherit [LSB]	_XtIsSubclassOf [LSB]	

An LSB conforming implementation shall provide the generic data interfaces for X Toolkit specified in Table 6-10, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-10 libXt - X Toolkit Data Interfaces

XtCXtToolkitError [Xt]	XtShellStrings [Xt]	XtStrings [Xt]	_XtInheritTranslations [LSB]
applicationShellWidgetClass [Xt]	compositeClassRec [Xt]	compositeWidgetClass [Xt]	constraintClassRec [Xt]
constraintWidgetClass [Xt]	coreWidgetClass [Xt]	objectClass [Xt]	objectClassRec [Xt]
overrideShellClassRec [Xt]	overrideShellWidgetClass [Xt]	rectObjClass [Xt]	rectObjClassRec [Xt]
sessionShellClassRec [Xt]	sessionShellWidgetClass [Xt]	shellClassRec [Xt]	shellWidgetClass [Xt]
topLevelShellClassRec [Xt]	topLevelShellWidgetClass [Xt]	transientShellClassRec [Xt]	transientShellWidgetClass [Xt]
widgetClass [Xt]	widgetClassRec [Xt]	wmShellClassRec [Xt]	wmShellWidgetClass [Xt]

6.9 Data Definitions for libXt

This section defines global identifiers and their values that are associated with interfaces contained in libXt. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and application developers should use this ABI to supplement - not to replace - source interface definition specifications.

This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

6.9.1 X11/Composite.h

```
typedef Cardinal(*XtOrderProc) (Widget child);
typedef void (*XtDoChangeProc) (Widget composite_parent,
                                WidgetList unmanage_children,
                                Cardinal * num_unmanage_children,
                                WidgetList manage_children,
                                Cardinal * num_manage_children,
                                XtPointer client_data);
extern     void     XtChangeManagedSet(WidgetList,     Cardinal,
XtDoChangeProc,
                               XtPointer, WidgetList, Cardinal);
extern void XtManageChild(Widget);
```

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```
extern void XtManageChildren(WidgetList, Cardinal);
extern void XtUnmanageChild(Widget);
extern void XtUnmanageChildren(WidgetList, Cardinal);
extern WidgetClass compositeWidgetClass;
```

6.9.2 X11/CompositeP.h

```
#define  XtInheritGeometryManager             ((XtGeometryHandler)
_XtInherit)
#define XtInheritDeleteChild    ((XtWidgetProc) _XtInherit)
#define XtInheritInsertChild    ((XtWidgetProc) _XtInherit)
#define XtCompositeExtensionVersion     2L

typedef struct _CompositeClassPart CompositeClassPart;

typedef struct _CompositeClassRec CompositeClassRec;
extern CompositeClassRec compositeClassRec;
```

6.9.3 X11/ConstrainP.h

```
#define XtConstraintExtensionVersion    1L

typedef struct _ConstraintPart ConstraintPart;
typedef struct _ConstraintClassPart ConstraintClassPart;
typedef struct _ConstraintClassRec {
    CoreClassPart core_class;
    CompositeClassPart composite_class;
    ConstraintClassPart constraint_class;
} ConstraintClassRec;
extern ConstraintClassRec constraintClassRec;
```

6.9.4 X11/Constraint.h

```
typedef struct _ConstraintClassRec *ConstraintWidgetClass;
extern WidgetClass constraintWidgetClass;
```

6.9.5 X11/Core.h

```
extern WidgetClass coreWidgetClass;
```

6.9.6 X11/Intrinsic.h

```
typedef struct _WidgetRec *Widget;
typedef Widget *WidgetList;
typedef struct _WidgetClassRec *WidgetClass;
typedef struct _CompositeRec *CompositeWidget;
typedef struct _XtActionsRec *XtActionList;
typedef struct _XtEventRec *XtEventTable;
typedef struct _XtAppStruct *XtAppContext;
typedef unsigned long int XtValueMask;
typedef unsigned long int XtIntervalId;
typedef unsigned long int XtInputId;
typedef unsigned long int XtSignalId;
typedef unsigned int XtGeometryMask;
typedef unsigned long int XtGCMask;
typedef unsigned long int Pixel;
typedef int XtCacheType;
typedef char Boolean;
typedef long int XtArgVal;
typedef unsigned char XtEnum;
typedef unsigned int Cardinal;
```

```
typedef unsigned short Dimension;
typedef short Position;
typedef void *XtPointer;
typedef XtPointer Opaque;
extern void XtAddActions(XtActionList, Cardinal);
extern void XtAddCallback(Widget, char *, XtCallbackProc,
XtPointer);
extern void XtAddCallbacks(Widget, char *, XtCallbackList);
extern void XtAddConverter(char *, char *, XtConverter,
XtConvertArgList,
                           Cardinal);
extern void XtAddEventHandler(Widget, EventMask, int,
XtEventHandler,
                              XtPointer);
extern void XtAddExposureToRegion(XEvent *, Region);
extern void XtAddGrab(Widget, int, int);
extern XtInputId XtAddInput(int, XtPointer, XtInputCallbackProc,
                            XtPointer);
extern void XtAddRawEventHandler(Widget, EventMask, int,
XtEventHandler,
                                 XtPointer);
extern XtIntervalId XtAddTimeOut(unsigned long int,
XtTimerCallbackProc,
                                 XtPointer);
extern XtWorkProcId XtAddWorkProc(XtWorkProc, XtPointer);
extern GC XtAllocateGC(Widget, Cardinal, XtGCMask, XGCValues *,
XtGCMask,
                       XtGCMask);
extern XtActionHookId XtAppAddActionHook(XtAppContext,
XtActionHookProc,
                                         XtPointer);
extern void XtAppAddActions(XtAppContext, XtActionList,
Cardinal);
extern XtBlockHookId XtAppAddBlockHook(XtAppContext,
XtBlockHookProc,
                                       XtPointer);
extern void XtAppAddConverter(XtAppContext, char *, char *,
XtConverter,
                              XtConvertArgList, Cardinal);
extern XtInputId XtAppAddInput(XtAppContext, int, XtPointer,
                               XtInputCallbackProc, XtPointer);
extern XtSignalId XtAppAddSignal(XtAppContext,
XtSignalCallbackProc,
                                 XtPointer);
extern XtIntervalId XtAppAddTimeOut(XtAppContext, unsigned long
int,
                                    XtTimerCallbackProc,
XtPointer);
extern XtWorkProcId XtAppAddWorkProc(XtAppContext, XtWorkProc,
XtPointer);
extern Widget XtAppCreateShell(char *, char *, WidgetClass,
Display *,
                               ArgList, Cardinal);
extern void XtAppError(XtAppContext, char *);
extern void XtAppErrorMsg(XtAppContext, char *, char *, char *,
char *,
                          String *, Cardinal *);
extern XrmDatabase *XtAppGetErrorDatabase(XtAppContext);
extern void XtAppGetErrorDatabaseText(XtAppContext, char *, char
*, char *,
                                      char *, String, int,
XrmDatabase);
extern Boolean XtAppGetExitFlag(XtAppContext);
extern unsigned long int XtAppGetSelectionTimeout(XtAppContext);
extern Widget XtAppInitialize(XtAppContext *, char *,
XrmOptionDescList,
```

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```
                                Cardinal, int *, String *, String
*, ArgList,
                                Cardinal);
extern void XtAppLock(XtAppContext);
extern void XtAppMainLoop(XtAppContext);
extern void XtAppNextEvent(XtAppContext, XEvent *);
extern Boolean XtAppPeekEvent(XtAppContext, XEvent *);
extern XtInputMask XtAppPending(XtAppContext);
extern void XtAppProcessEvent(XtAppContext, XtInputMask);
extern void XtAppReleaseCacheRefs(XtAppContext, XtCacheRef *);
extern      XtErrorHandler      XtAppSetErrorHandler(XtAppContext,
XtErrorHandler);
extern XtErrorMsgHandler XtAppSetErrorMsgHandler(XtAppContext,

XtErrorMsgHandler);
extern void XtAppSetExitFlag(XtAppContext);
extern void XtAppSetFallbackResources(XtAppContext, String *);
extern void XtAppSetSelectionTimeout(XtAppContext, unsigned long
int);
extern void XtAppSetTypeConverter(XtAppContext, char *, char *,
                                   XtTypeConverter,
XtConvertArgList,
                                   Cardinal,           XtCacheType,
XtDestructor);
extern     XtErrorHandler     XtAppSetWarningHandler(XtAppContext,
XtErrorHandler);
extern XtErrorMsgHandler XtAppSetWarningMsgHandler(XtAppContext,

XtErrorMsgHandler);
extern void XtAppUnlock(XtAppContext);
extern void XtAppWarning(XtAppContext, char *);
extern void XtAppWarningMsg(XtAppContext, char *, char *, char *,
char *,
                             String *, Cardinal *);
extern void XtAugmentTranslations(Widget, XtTranslations);
extern EventMask XtBuildEventMask(Widget);
extern String XtCXtToolkitError;
extern Boolean XtCallAcceptFocus(Widget, Time *);
extern void XtCallActionProc(Widget, char *, XEvent *, String *,
Cardinal);
extern     void     XtCallCallbackList(Widget,     XtCallbackList,
XtPointer);
extern void XtCallCallbacks(Widget, char *, XtPointer);
extern   Boolean   XtCallConverter(Display   *,   XtTypeConverter,
XrmValuePtr,
                                Cardinal, XrmValuePtr, XrmValue *,
                                XtCacheRef *);
extern void XtCallbackExclusive(Widget, XtPointer, XtPointer);
extern void XtCallbackNone(Widget, XtPointer, XtPointer);
extern void XtCallbackNonexclusive(Widget, XtPointer, XtPointer);
extern void XtCallbackPopdown(Widget, XtPointer, XtPointer);
extern    void    XtCallbackReleaseCacheRef(Widget,    XtPointer,
XtPointer);
extern   void   XtCallbackReleaseCacheRefList(Widget,   XtPointer,
XtPointer);
extern char *XtCalloc(Cardinal, Cardinal);
extern void XtCancelSelectionRequest(Widget, Atom);
extern WidgetClass XtClass(Widget);
extern void XtCloseDisplay(Display *);
extern  void  XtConvert(Widget,  char  *,  XrmValue  *,  char  *,
XrmValue *);
extern Boolean XtConvertAndStore(Widget, char *, XrmValue *, char
*,
                                 XrmValue *);
extern void XtConvertCase(Display *, KeySym, KeySym *, KeySym *);
extern XtAppContext XtCreateApplicationContext(void);
```

```
extern Widget XtCreateApplicationShell(char *, WidgetClass,
ArgList,
                                        Cardinal);
extern Widget XtCreateManagedWidget(char *, WidgetClass, Widget,
ArgList,
                                      Cardinal);
extern Widget XtCreatePopupShell(char *, WidgetClass, Widget,
ArgList,
                                  Cardinal);
extern void XtCreateSelectionRequest(Widget, Atom);
extern Widget XtCreateWidget(char *, WidgetClass, Widget,
ArgList,
                              Cardinal);
extern Boolean XtCvtColorToPixel(Display *, XrmValuePtr, Cardinal
*,
                                  XrmValuePtr,        XrmValuePtr,
XtPointer *);
extern Boolean XtCvtIntToBool(Display *, XrmValuePtr, Cardinal *,
                              XrmValuePtr, XrmValuePtr, XtPointer
*);
extern Boolean XtCvtIntToBoolean(Display *, XrmValuePtr, Cardinal
*,
                                  XrmValuePtr,        XrmValuePtr,
XtPointer *);
extern Boolean XtCvtIntToColor(Display *, XrmValuePtr, Cardinal
*,
                               XrmValuePtr,          XrmValuePtr,
XtPointer *);
extern Boolean XtCvtIntToFloat(Display *, XrmValuePtr, Cardinal
*,
                               XrmValuePtr,          XrmValuePtr,
XtPointer *);
extern Boolean XtCvtIntToFont(Display *, XrmValuePtr, Cardinal *,
                              XrmValuePtr, XrmValuePtr, XtPointer
*);
extern Boolean XtCvtIntToPixel(Display *, XrmValuePtr, Cardinal
*,
                               XrmValuePtr,          XrmValuePtr,
XtPointer *);
extern Boolean XtCvtIntToPixmap(Display *, XrmValuePtr, Cardinal
*,
                                XrmValuePtr,         XrmValuePtr,
XtPointer *);
extern Boolean XtCvtIntToShort(Display *, XrmValuePtr, Cardinal
*,
                               XrmValuePtr,          XrmValuePtr,
XtPointer *);
extern Boolean XtCvtIntToUnsignedChar(Display *, XrmValuePtr,
Cardinal *,
                                      XrmValuePtr, XrmValuePtr,
                                      XtPointer *);
extern Boolean XtCvtStringToAcceleratorTable(Display *,
XrmValuePtr,
                                             Cardinal *,
XrmValuePtr,
                                             XrmValuePtr,
XtPointer *);
extern Boolean XtCvtStringToAtom(Display *, XrmValuePtr, Cardinal
*,
                                 XrmValuePtr,        XrmValuePtr,
XtPointer *);
extern Boolean XtCvtStringToBool(Display *, XrmValuePtr, Cardinal
*,
                                 XrmValuePtr,        XrmValuePtr,
XtPointer *);
```

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```
extern   Boolean   XtCvtStringToBoolean(Display   *,   XrmValuePtr,
Cardinal *,
                                     XrmValuePtr,      XrmValuePtr,
XtPointer *);
extern     Boolean     XtCvtStringToCommandArgArray(Display     *,
XrmValuePtr,
                                            Cardinal           *,
XrmValuePtr,
                                            XrmValuePtr,
XtPointer *);
extern   Boolean   XtCvtStringToCursor(Display   *,   XrmValuePtr,
Cardinal *,
                                   XrmValuePtr,       XrmValuePtr,
XtPointer *);
extern  Boolean  XtCvtStringToDimension(Display  *,  XrmValuePtr,
Cardinal *,
                                      XrmValuePtr, XrmValuePtr,
                                      XtPointer *);
extern     Boolean     XtCvtStringToDirectoryString(Display     *,
XrmValuePtr,
                                            Cardinal           *,
XrmValuePtr,
                                            XrmValuePtr,
XtPointer *);
extern   Boolean   XtCvtStringToDisplay(Display   *,   XrmValuePtr,
Cardinal *,
                                     XrmValuePtr,      XrmValuePtr,
XtPointer *);
extern Boolean XtCvtStringToFile(Display *, XrmValuePtr, Cardinal
*,
                                 XrmValuePtr,         XrmValuePtr,
XtPointer *);
extern   Boolean   XtCvtStringToFloat(Display   *,   XrmValuePtr,
Cardinal *,
                                   XrmValuePtr,        XrmValuePtr,
XtPointer *);
extern Boolean XtCvtStringToFont(Display *, XrmValuePtr, Cardinal
*,
                                 XrmValuePtr,         XrmValuePtr,
XtPointer *);
extern   Boolean   XtCvtStringToFontSet(Display   *,   XrmValuePtr,
Cardinal *,
                                     XrmValuePtr,      XrmValuePtr,
XtPointer *);
extern  Boolean  XtCvtStringToFontStruct(Display  *,  XrmValuePtr,
Cardinal *,
                                       XrmValuePtr, XrmValuePtr,
                                       XtPointer *);
extern   Boolean   XtCvtStringToGravity(Display   *,   XrmValuePtr,
Cardinal *,
                                     XrmValuePtr,      XrmValuePtr,
XtPointer *);
extern Boolean XtCvtStringToInitialState(Display *, XrmValuePtr,
                                         Cardinal *, XrmValuePtr,
                                         XrmValuePtr,    XtPointer
*);
extern Boolean XtCvtStringToInt(Display *, XrmValuePtr, Cardinal
*,
                               XrmValuePtr,          XrmValuePtr,
XtPointer *);
extern   Boolean   XtCvtStringToPixel(Display   *,   XrmValuePtr,
Cardinal *,
                                   XrmValuePtr,        XrmValuePtr,
XtPointer *);
extern Boolean XtCvtStringToRestartStyle(Display *, XrmValuePtr,
                                         Cardinal *, XrmValuePtr,
```

```
                                        XrmValuePtr,    XtPointer
*);
extern   Boolean   XtCvtStringToShort(Display   *,   XrmValuePtr,
Cardinal *,
                                  XrmValuePtr,        XrmValuePtr,
XtPointer *);
extern    Boolean    XtCvtStringToTranslationTable(Display    *,
XrmValuePtr,
                                            Cardinal          *,
XrmValuePtr,
                                            XrmValuePtr,
XtPointer *);
extern Boolean XtCvtStringToUnsignedChar(Display *, XrmValuePtr,
                                        Cardinal *, XrmValuePtr,
                                        XrmValuePtr,    XtPointer
*);
extern   Boolean   XtCvtStringToVisual(Display   *,   XrmValuePtr,
Cardinal *,
                                   XrmValuePtr,       XrmValuePtr,
XtPointer *);
extern XrmDatabase XtDatabase(Display *);
extern void XtDestroyApplicationContext(XtAppContext);
extern void XtDestroyGC(GC);
extern void XtDestroyWidget(Widget);
extern void XtDirectConvert(XtConverter, XrmValuePtr, Cardinal,
                            XrmValuePtr, XrmValue *);
extern void XtDisownSelection(Widget, Atom, Time);
extern Boolean XtDispatchEvent(XEvent *);
extern Boolean XtDispatchEventToWidget(Widget, XEvent *);
extern Display *XtDisplay(Widget);
extern void XtDisplayInitialize(XtAppContext, Display *, char *,
char *,
                                XrmOptionDescRec *, Cardinal, int
*,
                                char **);
extern Display *XtDisplayOfObject(Widget);
extern void XtDisplayStringConversionWarning(Display *, char *,
char *);
extern XtAppContext XtDisplayToApplicationContext(Display *);
extern void XtError(char *);
extern void XtErrorMsg(char *, char *, char *, char *, String *,
                       Cardinal *);
extern   String   XtFindFile(char   *,   Substitution,   Cardinal,
XtFilePredicate);
extern void XtFree(char *);
extern KeySym XtGetActionKeysym(XEvent *, Modifiers *);
extern void XtGetActionList(WidgetClass, XtActionList *, Cardinal
*);
extern void XtGetApplicationNameAndClass(Display *, String *,
String *);
extern    void    XtGetApplicationResources(Widget,    XtPointer,
XtResourceList,
                                     Cardinal,           ArgList,
Cardinal);
extern   XtPointer   XtGetClassExtension(WidgetClass,   Cardinal,
XrmQuark,
                                     long int, Cardinal);
extern        void        XtGetConstraintResourceList(WidgetClass,
XtResourceList *,
                                        Cardinal *);
extern void XtGetDisplays(XtAppContext, Display * **, Cardinal
*);
extern XrmDatabase *XtGetErrorDatabase(void);
extern void XtGetErrorDatabaseText(char *, char *, char *, char
*, String,
                                   int);
```

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```
extern GC XtGetGC(Widget, XtGCMask, XGCValues *);
extern Widget XtGetKeyboardFocusWidget(Widget);
extern KeySym *XtGetKeysymTable(Display *, KeyCode *, int *);
extern int XtGetMultiClickTime(Display *);
extern void XtGetResourceList(WidgetClass, XtResourceList *,
Cardinal *);
extern void XtGetSelectionParameters(Widget, Atom, XtRequestId,
Atom *,
                                     XtPointer *, unsigned long
int *,
                                     int *);
extern XSelectionRequestEvent *XtGetSelectionRequest(Widget,
Atom,

XtRequestId);
extern unsigned long int XtGetSelectionTimeout(void);
extern void XtGetSelectionValue(Widget, Atom, Atom,
                                XtSelectionCallbackProc,
XtPointer, Time);
extern void XtGetSelectionValueIncremental(Widget, Atom, Atom,

XtSelectionCallbackProc,
                                           XtPointer, Time);
extern void XtGetSelectionValues(Widget, Atom, Atom *, int,
                                 XtSelectionCallbackProc,
XtPointer *,
                                 Time);
extern void XtGetSelectionValuesIncremental(Widget, Atom, Atom *,
int,

XtSelectionCallbackProc,
                                            XtPointer *, Time);
extern void XtGetSubresources(Widget, XtPointer, char *, char *,
                              XtResourceList, Cardinal, ArgList,
Cardinal);
extern void XtGetSubvalues(XtPointer, XtResourceList, Cardinal,
ArgList,
                           Cardinal);
extern void XtGetValues(Widget, ArgList, Cardinal);
extern void XtGrabButton(Widget, int, Modifiers, int, unsigned
int, int,
                         int, Window, Cursor);
extern void XtGrabKey(Widget, unsigned int, Modifiers, int, int,
int);
extern int XtGrabKeyboard(Widget, int, int, int, Time);
extern int XtGrabPointer(Widget, int, unsigned int, int, int,
Window,
                         Cursor, Time);
extern XtCallbackStatus XtHasCallbacks(Widget, char *);
extern Widget XtHooksOfDisplay(Display *);
extern Widget XtInitialize(char *, char *, XrmOptionDescRec *,
Cardinal,
                           int *, char **);
extern void XtInitializeWidgetClass(WidgetClass);
extern void XtInsertEventHandler(Widget, EventMask, int,
XtEventHandler,
                                 XtPointer, XtListPosition);
extern void XtInsertEventTypeHandler(Widget, int, XtPointer,
                                     XtEventHandler, XtPointer,
                                     XtListPosition);
extern void XtInsertRawEventHandler(Widget, EventMask, int,
XtEventHandler,
                                    XtPointer, XtListPosition);
extern void XtInstallAccelerators(Widget, Widget);
extern void XtInstallAllAccelerators(Widget, Widget);
extern Boolean XtIsApplicationShell(void);
```

```
extern Boolean XtIsComposite(void);
extern Boolean XtIsConstraint(void);
extern Boolean XtIsManaged(Widget);
extern Boolean XtIsObject(Widget);
extern Boolean XtIsOverrideShell(void);
extern Boolean XtIsRealized(Widget);
extern Boolean XtIsRectObj(void);
extern Boolean XtIsSensitive(Widget);
extern Boolean XtIsSessionShell(void);
extern Boolean XtIsShell(void);
extern Boolean XtIsSubclass(Widget, WidgetClass);
extern Boolean XtIsTopLevelShell(void);
extern Boolean XtIsTransientShell(void);
extern Boolean XtIsVendorShell(void);
extern Boolean XtIsWMShell(void);
extern Boolean XtIsWidget(void);
extern void XtKeysymToKeycodeList(Display *, KeySym, KeyCode * *,
                                  Cardinal *);
extern XEvent *XtLastEventProcessed(Display *);
extern Time XtLastTimestampProcessed(Display *);
extern void XtMainLoop(void);
extern       XtGeometryResult       XtMakeGeometryRequest(Widget,
XtWidgetGeometry *,
                                                  XtWidgetGeometry
*);
extern XtGeometryResult XtMakeResizeRequest(Widget, unsigned int,
                                            unsigned          int,
Dimension *,
                                            Dimension *);
extern char *XtMalloc(Cardinal);
extern void XtMapWidget(void);
extern  void  XtMenuPopupAction(Widget,  XEvent  *,  String  *,
Cardinal *);
extern   ArgList   XtMergeArgLists(ArgList,   Cardinal,   ArgList,
Cardinal);
extern String XtName(Widget);
extern Widget XtNameToWidget(Widget, char *);
extern String XtNewString(void);
extern void XtNextEvent(XEvent *);
extern void XtNoticeSignal(XtSignalId);
extern   Widget   XtOpenApplication(XtAppContext   *,   char   *,
XrmOptionDescList,
                                Cardinal, int *, String *, String
*,
                                WidgetClass, ArgList, Cardinal);
extern Display *XtOpenDisplay(XtAppContext, char *, char *, char
*,
                              XrmOptionDescRec  *,  Cardinal,  int
*,
                              char **);
extern void XtOverrideTranslations(Widget, XtTranslations);
extern     Boolean     XtOwnSelection(Widget,     Atom,     Time,
XtConvertSelectionProc,
                              XtLoseSelectionProc,
XtSelectionDoneProc);
extern Boolean XtOwnSelectionIncremental(Widget, Atom, Time,

XtConvertSelectionIncrProc,
                                       XtLoseSelectionIncrProc,
                                       XtSelectionDoneIncrProc,

XtCancelConvertSelectionProc,
                                       XtPointer);
extern Widget XtParent(Widget);
extern XtAccelerators XtParseAcceleratorTable(char *);
extern XtTranslations XtParseTranslationTable(char *);
```

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```
extern Boolean XtPeekEvent(XEvent *);
extern Boolean XtPending(void);
extern void XtPopdown(Widget);
extern void XtPopup(Widget, XtGrabKind);
extern void XtPopupSpringLoaded(Widget);
extern void XtProcessEvent(XtInputMask);
extern XtGeometryResult XtQueryGeometry(Widget, XtWidgetGeometry
*,
                                        XtWidgetGeometry *);
extern void XtRealizeWidget(Widget);
extern char *XtRealloc(char *, Cardinal);
extern void XtRegisterCaseConverter(Display *, XtCaseProc,
KeySym, KeySym);
extern void XtRegisterDrawable(Display *, Drawable, Widget);
extern void XtRegisterExtensionSelector(Display *, int, int,
                                        XtExtensionSelectProc,
XtPointer);
extern void XtRegisterGrabAction(XtActionProc, int, unsigned int,
int,
                                 int);
extern void XtReleaseGC(Widget, GC);
extern void XtReleasePropertyAtom(Widget, Atom);
extern void XtRemoveActionHook(XtActionHookId);
extern void XtRemoveAllCallbacks(Widget, char *);
extern void XtRemoveBlockHook(XtBlockHookId);
extern void XtRemoveCallback(Widget, char *, XtCallbackProc,
XtPointer);
extern void XtRemoveCallbacks(Widget, char *, XtCallbackList);
extern void XtRemoveEventHandler(Widget, EventMask, int,
XtEventHandler,
                                 XtPointer);
extern void XtRemoveEventTypeHandler(Widget, int, XtPointer,
                                     XtEventHandler, XtPointer);
extern void XtRemoveGrab(Widget);
extern void XtRemoveInput(XtInputId);
extern void XtRemoveRawEventHandler(Widget, EventMask, int,
XtEventHandler,
                                    XtPointer);
extern void XtRemoveSignal(XtSignalId);
extern void XtRemoveTimeOut(XtIntervalId);
extern void XtRemoveWorkProc(XtWorkProcId);
extern Atom XtReservePropertyAtom(Widget);
extern String XtResolvePathname(Display *, char *, char *, char
*, char *,
                                Substitution,           Cardinal,
XtFilePredicate);
extern Screen *XtScreen(Widget);
extern XrmDatabase XtScreenDatabase(Screen *);
extern Screen *XtScreenOfObject(Widget);
extern void XtSendSelectionRequest(Widget, Atom, Time);
extern XtCheckpointToken XtSessionGetToken(Widget);
extern void XtSessionReturnToken(XtCheckpointToken);
extern void XtSetErrorHandler(XtErrorHandler);
extern void XtSetErrorMsgHandler(XtErrorMsgHandler);
extern XtEventDispatchProc XtSetEventDispatcher(Display *, int,

XtEventDispatchProc);
extern void XtSetKeyTranslator(Display *, XtKeyProc);
extern void XtSetKeyboardFocus(Widget, Widget);
extern XtLanguageProc XtSetLanguageProc(XtAppContext,
XtLanguageProc,
                                        XtPointer);
extern void XtSetMappedWhenManaged(Widget, int);
extern void XtSetMultiClickTime(Display *, int);
extern void XtSetSelectionParameters(Widget, Atom, Atom,
XtPointer,
```

```
                                    unsigned long int, int);
extern void XtSetSelectionTimeout(unsigned long int);
extern void XtSetSensitive(Widget, int);
extern void XtSetSubvalues(XtPointer, XtResourceList, Cardinal,
ArgList,
                           Cardinal);
extern void XtSetTypeConverter(char *, char *, XtTypeConverter,
                               XtConvertArgList,         Cardinal,
XtCacheType,
                               XtDestructor);
extern void XtSetValues(Widget, ArgList, Cardinal);
extern void XtSetWMColormapWindows(Widget, Widget *, Cardinal);
extern void XtSetWarningHandler(XtErrorHandler);
extern void XtSetWarningMsgHandler(XtErrorMsgHandler);
extern void XtStringConversionWarning(char *, char *);
extern WidgetClass XtSuperclass(Widget);
extern void XtToolkitInitialize(void);
extern Boolean XtToolkitThreadInitialize(void);
extern void XtTranslateCoords(Widget, int, int, Position *,
Position *);
extern void XtTranslateKey(Display *, unsigned int, Modifiers,
Modifiers *,
                           KeySym *);
extern void XtTranslateKeycode(Display *, unsigned int,
Modifiers,
                               Modifiers *, KeySym *);
extern void XtUngrabButton(Widget, unsigned int, Modifiers);
extern void XtUngrabKey(Widget, unsigned int, Modifiers);
extern void XtUngrabKeyboard(Widget, Time);
extern void XtUngrabPointer(Widget, Time);
extern void XtUninstallTranslations(Widget);
extern void XtUnmapWidget(void);
extern void XtUnrealizeWidget(Widget);
extern void XtUnregisterDrawable(Display *, Drawable);
extern Widget XtVaAppCreateShell(char *, char *, WidgetClass,
Display *,
                                 ...);
extern Widget XtVaAppInitialize(XtAppContext *, char *,
XrmOptionDescList,
                                Cardinal, int *, String *, String
*, ...);
extern XtVarArgsList XtVaCreateArgsList(XtPointer, ...);
extern Widget XtVaCreateManagedWidget(char *, WidgetClass,
Widget, ...);
extern Widget XtVaCreatePopupShell(char *, WidgetClass, Widget,
...);
extern Widget XtVaCreateWidget(char *, WidgetClass, Widget, ...);
extern void XtVaGetApplicationResources(Widget, XtPointer,
XtResourceList,
                                        Cardinal, ...);
extern void XtVaGetSubresources(Widget, XtPointer, char *, char
*,
                                XtResourceList, Cardinal, ...);
extern void XtVaGetSubvalues(XtPointer, XtResourceList, Cardinal,
...);
extern void XtVaGetValues(Widget, ...);
extern Widget XtVaOpenApplication(XtAppContext *, char *,
                                  XrmOptionDescList,    Cardinal,
int *,
                                  String     *,     String     *,
WidgetClass, ...);
extern void XtVaSetSubvalues(XtPointer, XtResourceList, Cardinal,
...);
extern void XtVaSetValues(Widget, ...);
extern void XtWarning(char *);
```

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```
extern void XtWarningMsg(char *, char *, char *, char *, String
*,
                         Cardinal *);
extern XtAppContext XtWidgetToApplicationContext(Widget);
extern Window XtWindow(Widget);
extern Window XtWindowOfObject(Widget);
extern Widget XtWindowToWidget(Display *, Window);
extern Boolean _XtCheckSubclassFlag(Widget, unsigned int);
extern Boolean _XtIsSubclassOf(Widget, WidgetClass, WidgetClass,
                               unsigned int);
```

6.9.7 X11/IntrinsicP.h

```
extern void XtConfigureWidget(Widget, int, int, unsigned int,
unsigned int,
                              unsigned int);
extern void XtCreateWindow(Widget, unsigned int, Visual *,
XtValueMask,
                           XSetWindowAttributes *);
extern void XtMoveWidget(Widget, int, int);
extern void XtProcessLock(void);
extern void XtProcessUnlock(void);
extern void XtResizeWidget(Widget, unsigned int, unsigned int,
                           unsigned int);
extern void XtResizeWindow(Widget);
extern void _XtInherit(void);
```

6.9.8 X11/Object.h

```
extern WidgetClass objectClass;
```

6.9.9 X11/ObjectP.h

```
#define XtInheritAllocate       ((XtAllocateProc) _XtInherit)
#define XtInheritDeallocate     ((XtDeallocateProc) _XtInherit)
#define XtObjectExtensionVersion        1L

typedef struct _ObjectPart {
    Widget self;
    WidgetClass widget_class;
    Widget parent;
    XrmName xrm_name;
    Boolean being_destroyed;
    XtCallbackList destroy_callbacks;
    XtPointer constraints;
} ObjectPart;

typedef struct _ObjectRec {
    ObjectPart object;
} ObjectRec;

typedef struct _ObjectClassPart {
    WidgetClass superclass;
    String class_name;
    Cardinal widget_size;
    XtProc class_initialize;
    XtWidgetClassProc class_part_initialize;
    XtEnum class_inited;
    XtInitProc initialize;
    XtArgsProc initialize_hook;
    XtProc obj1;
    XtProc obj2;
```

```
    XtProc obj3;
    XtResourceList resources;
    Cardinal num_resources;
    XrmClass xrm_class;
    Boolean obj4;
    XtEnum obj5;
    Boolean obj6;
    Boolean obj7;
    XtWidgetProc destroy;
    XtProc obj8;
    XtProc obj9;
    XtSetValuesFunc set_values;
    XtArgsFunc set_values_hook;
    XtProc obj10;
    XtArgsProc get_values_hook;
    XtProc obj11;
    XtVersionType version;
    XtPointer callback_private;
    String obj12;
    XtProc obj13;
    XtProc obj14;
    XtPointer extension;
} ObjectClassPart;

struct {
    XtPointer next_extension;
    XrmQuark record_type;
    long int version;
    Cardinal record_size;
    XtAllocateProc allocate;
    XtDeallocateProc deallocate;
};

typedef struct {
    XtPointer next_extension;
    XrmQuark record_type;
    long int version;
    Cardinal record_size;
    XtAllocateProc allocate;
    XtDeallocateProc deallocate;
} ObjectClassExtensionRec;
typedef struct {
    XtPointer next_extension;
    XrmQuark record_type;
    long int version;
    Cardinal record_size;
    XtAllocateProc allocate;
    XtDeallocateProc deallocate;
} *ObjectClassExtension;

typedef struct _ObjectClassRec {
    ObjectClassPart object_class;
} ObjectClassRec;
extern ObjectClassRec objectClassRec;
```

6.9.10 X11/Shell.h

```
extern char XtShellStrings[];
extern WidgetClass applicationShellWidgetClass;
extern WidgetClass overrideShellWidgetClass;
extern WidgetClass sessionShellWidgetClass;
extern WidgetClass shellWidgetClass;
extern WidgetClass topLevelShellWidgetClass;
extern WidgetClass transientShellWidgetClass;
extern WidgetClass wmShellWidgetClass;
```

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6.9.11 X11/StringDefs.h

```
extern char XtStrings[];
```

6.10 Interface Definitions for libXt

The interfaces defined on the following pages are included in libXt and are defined by this specification. Unless otherwise noted, these interfaces shall be included in the source standard.

Other interfaces listed in Section 6.8 shall behave as described in the referenced base document.

_XtCopyFromArg

Name

`_XtCopyFromArg` — Copy "size" bytes from src to dst.

Synopsis

```
void _XtCopyFromArg(XtArgVal src,char* dst,unsigned int size);
```

Description

The _XtCopyFromArg() function copies "size" bytes from src to dst. This is an internal X function call.

_XtInherit

Name

`_XtInherit` — inheritance operation.

Synopsis

```
#include <IntrinsicP.h>

extern void _XtInherit(
#if NeedFunctionPrototypes
    void
#endif
);
```

Description

_XtInherit() is a procedure that issues an error message if it is actually called.

_XtInheritTranslations

Name

`_XtInheritTranslations` — an inheritance constant

Synopsis

```
#include <CoreP.h>
```

```
externalref int _XtInheritTranslations;
```

Description

_XtInheritTranslations is an inheritance constant.

_XtIsSubclassOf

Name

`_XtIsSubclassOf` — determine if Widget is a subclass of WidgetClass.

Synopsis

```
#include <Intrinsic.h>

extern Boolean _XtIsSubclassOf(
    Widget              /* object*  /,
    WidgetClass         /* widget_class */,
    WidgetClass         /* flag_class */,
    _XtXtEnum           /* type_flag */,
);
```

Description

Determine if Widget(object) is a subclass of WidgetClass(widget_class).

6.11 Interfaces for libXext

Table 6-11 defines the library name and shared object name for the libXext library

Table 6-11 libXext Definition

Library:	libXext
SONAME:	libXext.so.6

The behavior of the interfaces in this library is specified by the following specifications:

[X-dbe] Double Buffer Extension Library
[X-DPMS] X Display Power Management Signaling
[X-evi] X Extended Visual Interface Extension
[X-security] X Security Extension Specification
[X-shape] X Nonrectangular Window Shape Extension Library
[X-shm] The MIT Shared Memory Extension
[X-sync] X Synchronization Extension Library

6.11.1 X Shape Extension

6.11.1.1 Interfaces for X Shape Extension

An LSB conforming implementation shall provide the generic functions for X Shape Extension specified in Table 6-12, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-12 libXext - X Shape Extension Function Interfaces

XShapeCombine	XShapeCombine	XShapeCombine	XShapeCombine

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Mask [X-shape]	Rectangles [X-shape]	Region [X-shape]	Shape [X-shape]
XShapeGetRectangles [X-shape]	XShapeInputSelected [X-shape]	XShapeOffsetShape [X-shape]	XShapeQueryExtension [X-shape]
XShapeQueryExtents [X-shape]	XShapeQueryVersion [X-shape]	XShapeSelectInput [X-shape]	

6.11.2 X Display Power Management Signaling Extension

6.11.2.1 Interfaces for X Display Power Management Signaling Extension

An LSB conforming implementation shall provide the generic functions for X Display Power Management Signaling Extension specified in Table 6-13, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-13 libXext - X Display Power Management Signaling Extension Function Interfaces

DPMSCapable [X-DPMS]	DPMSDisable [X-DPMS]	DPMSEnable [X-DPMS]	DPMSForceLevel [X-DPMS]
DPMSGetTimeouts [X-DPMS]	DPMSGetVersion [X-DPMS]	DPMSInfo [X-DPMS]	DPMSQueryExtension [X-DPMS]
DPMSSetTimeouts [X-DPMS]			

6.11.3 X Shared Memory Extensions

6.11.3.1 Interfaces for X Shared Memory Extensions

An LSB conforming implementation shall provide the generic functions for X Shared Memory Extensions specified in Table 6-14, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-14 libXext - X Shared Memory Extensions Function Interfaces

XShmAttach [X-shm]	XShmCreateImage [X-shm]	XShmCreatePixmap [X-shm]	XShmDetach [X-shm]
XShmGetEventBase [X-shm]	XShmGetImage [X-shm]	XShmPixmapFormat [X-shm]	XShmPutImage [X-shm]
XShmQueryExtension [X-shm]	XShmQueryVersion [X-shm]		

6.11.4 MIT-MISC Extension

6.11.4.1 Interfaces for MIT-MISC Extension

No external functions are defined for libXext - MIT-MISC Extension in this part of the specification. See also the relevant architecture specific part of ISO/IEC 23360.

6.11.5 X Synchronization Extension

6.11.5.1 Interfaces for X Synchronization Extension

An LSB conforming implementation shall provide the generic functions for X Synchronization Extension specified in Table 6-15, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-15 libXext - X Synchronization Extension Function Interfaces

XSyncAwait [X-sync]	XSyncChangeAlarm [X-sync]	XSyncChangeCounter [X-sync]	XSyncCreateAlarm [X-sync]
XSyncCreateCounter [X-sync]	XSyncDestroyAlarm [X-sync]	XSyncDestroyCounter [X-sync]	XSyncFreeSystemCounterList [X-sync]
XSyncGetPriority [X-sync]	XSyncInitialize [X-sync]	XSyncIntToValue [X-sync]	XSyncIntsToValue [X-sync]
XSyncListSystemCounters [X-sync]	XSyncMaxValue [X-sync]	XSyncMinValue [X-sync]	XSyncQueryAlarm [X-sync]
XSyncQueryCounter [X-sync]	XSyncQueryExtension [X-sync]	XSyncSetCounter [X-sync]	XSyncSetPriority [X-sync]
XSyncValueAdd [X-sync]	XSyncValueEqual [X-sync]	XSyncValueGreaterOrEqual [X-sync]	XSyncValueGreaterThan [X-sync]
XSyncValueHigh32 [X-sync]	XSyncValueIsNegative [X-sync]	XSyncValueIsPositive [X-sync]	XSyncValueIsZero [X-sync]
XSyncValueLessOrEqual [X-sync]	XSyncValueLessThan [X-sync]	XSyncValueLow32 [X-sync]	XSyncValueSubtract [X-sync]

6.11.6 X Security Extension

6.11.6.1 Interfaces for X Security Extension

An LSB conforming implementation shall provide the generic functions for X Security Extension specified in Table 6-16, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-16 libXext - X Security Extension Function Interfaces

XSecurityAllocXauth [X-security]	XSecurityFreeXauth [X-security]	XSecurityGenerateAuthorization [X-security]	XSecurityQueryExtension [X-security]
XSecurityRevokeAuthorization [X-security]			

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6.11.7 X Double Buffer Extension

6.11.7.1 Interfaces for X Double Buffer Extension

An LSB conforming implementation shall provide the generic functions for X Double Buffer Extension specified in Table 6-17, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-17 libXext - X Double Buffer Extension Function Interfaces

XdbeAllocateBackBufferName [X-dbe]	XdbeBeginIdiom [X-dbe]	XdbeDeallocateBackBufferName [X-dbe]	XdbeEndIdiom [X-dbe]
XdbeFreeVisualInfo [X-dbe]	XdbeGetBackBufferAttributes [X-dbe]	XdbeGetVisualInfo [X-dbe]	XdbeQueryExtension [X-dbe]
XdbeSwapBuffers [X-dbe]			

6.11.8 X Extended Visual Interface Extension

6.11.8.1 Interfaces for X Extended Visual Interface Extension

An LSB conforming implementation shall provide the generic functions for X Extended Visual Interface Extension specified in Table 6-18, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-18 libXext - X Extended Visual Interface Extension Function Interfaces

XeviGetVisualInfo [X-evi]	XeviQueryExtension [X-evi]	XeviQueryVersion [X-evi]	

6.12 Data Definitions for libXext

This section defines global identifiers and their values that are associated with interfaces contained in libXext. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and application developers should use this ABI to supplement - not to replace - source interface definition specifications.

This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

6.12.1 X11/extensions/XEVI.h

```
#define XEVI_TRANSPARENCY_NONE  0
```

```
#define XEVI_TRANSPARENCY_PIXEL 1
#define XEVI_TRANSPARENCY_MASK  2

typedef struct {
    VisualID core_visual_id;
    int screen;
    int level;
    unsigned int transparency_type;
    unsigned int transparency_value;
    unsigned int min_hw_colormaps;
    unsigned int max_hw_colormaps;
    unsigned int num_colormap_conflicts;
    VisualID *colormap_conflicts;
} ExtendedVisualInfo;
extern int XeviGetVisualInfo(Display *, Visual *, int,
                             ExtendedVisualInfo * *, int *);
extern int XeviQueryExtension(Display *);
extern int XeviQueryVersion(Display *, int *, int *);
```

6.12.2 X11/extensions/XKBgeom.h

```
extern int XkbAllocGeomColors(XkbGeometryPtr, int);
extern int XkbAllocGeomDoodads(XkbGeometryPtr, int);
extern int XkbAllocGeomKeyAliases(XkbGeometryPtr, int);
extern int XkbAllocGeomKeys(XkbRowPtr, int);
extern int XkbAllocGeomOutlines(XkbShapePtr, int);
extern int XkbAllocGeomOverlayKeys(XkbOverlayRowPtr, int);
extern int XkbAllocGeomOverlayRows(XkbOverlayPtr, int);
extern int XkbAllocGeomOverlays(XkbSectionPtr, int);
extern int XkbAllocGeomPoints(XkbOutlinePtr, int);
extern int XkbAllocGeomProps(XkbGeometryPtr, int);
extern int XkbAllocGeomRows(XkbSectionPtr, int);
extern int XkbAllocGeomSectionDoodads(XkbSectionPtr, int);
extern int XkbAllocGeomSections(XkbGeometryPtr, int);
extern int XkbAllocGeomShapes(XkbGeometryPtr, int);
extern int XkbAllocGeometry(XkbDescPtr, XkbGeometrySizesPtr);
extern  int  XkbComputeRowBounds(XkbGeometryPtr,  XkbSectionPtr,
XkbRowPtr);
extern        int        XkbComputeSectionBounds(XkbGeometryPtr,
XkbSectionPtr);
extern int XkbComputeShapeBounds(XkbShapePtr);
extern int XkbComputeShapeTop(XkbShapePtr, XkbBoundsPtr);
extern  char  *XkbFindOverlayForKey(XkbGeometryPtr,  XkbSectionPtr,
char *);
extern void XkbFreeGeomColors(XkbGeometryPtr, int, int, int);
extern void XkbFreeGeomDoodads(XkbDoodadPtr, int, int);
extern void XkbFreeGeomKeyAliases(XkbGeometryPtr, int, int, int);
extern void XkbFreeGeomKeys(XkbRowPtr, int, int, int);
extern void XkbFreeGeomOutlines(XkbShapePtr, int, int, int);
extern  void  XkbFreeGeomOverlayKeys(XkbOverlayRowPtr,  int,  int,
int);
extern void XkbFreeGeomOverlayRows(XkbOverlayPtr, int, int, int);
extern void XkbFreeGeomOverlays(XkbSectionPtr, int, int, int);
extern void XkbFreeGeomPoints(XkbOutlinePtr, int, int, int);
extern void XkbFreeGeomProperties(XkbGeometryPtr, int, int, int);
extern void XkbFreeGeomRows(XkbSectionPtr, int, int, int);
extern void XkbFreeGeomSections(XkbGeometryPtr, int, int, int);
extern void XkbFreeGeomShapes(XkbGeometryPtr, int, int, int);
extern void XkbFreeGeometry(XkbGeometryPtr, unsigned int, int);
extern int XkbGetGeometry(Display *, XkbDescPtr);
extern int XkbGetNamedGeometry(Display *, XkbDescPtr, Atom);
extern    int    XkbSetGeometry(Display    *,    unsigned    int,
XkbGeometryPtr);
```

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6.12.3 X11/extensions/XShm.h

```
extern int XShmAttach(Display *, XShmSegmentInfo *);
extern XImage *XShmCreateImage(Display *, Visual *, unsigned int,
int,
                               char    *,    XShmSegmentInfo    *,
unsigned int,
                               unsigned int);
extern Pixmap XShmCreatePixmap(Display *, Drawable, char *,
                               XShmSegmentInfo *, unsigned int,
                               unsigned int, unsigned int);
extern int XShmDetach(Display *, XShmSegmentInfo *);
extern int XShmGetEventBase(Display *);
extern int XShmGetImage(Display *, Drawable, XImage *, int, int,
                        unsigned long int);
extern int XShmPixmapFormat(Display *);
extern int XShmPutImage(Display *, Drawable, GC, XImage *, int,
int, int,
                        int, unsigned int, unsigned int, int);
extern int XShmQueryExtension(Display *);
extern int XShmQueryVersion(Display *, int *, int *, int *);
```

6.12.4 X11/extensions/Xdbe.h

```
extern   XdbeBackBuffer   XdbeAllocateBackBufferName(Display   *,
Window,
                                                      XdbeSwapAction);
extern int XdbeBeginIdiom(Display *);
extern      int      XdbeDeallocateBackBufferName(Display      *,
XdbeBackBuffer);
extern int XdbeEndIdiom(Display *);
extern void XdbeFreeVisualInfo(XdbeScreenVisualInfo *);
extern                                    XdbeBackBufferAttributes
*XdbeGetBackBufferAttributes(Display *,

XdbeBackBuffer);
extern    XdbeScreenVisualInfo    *XdbeGetVisualInfo(Display    *,
Drawable *,
                                                 int *);
extern int XdbeQueryExtension(Display *, int *, int *);
extern int XdbeSwapBuffers(Display *, XdbeSwapInfo *, int);
```

6.12.5 X11/extensions/dpms.h

```
extern int DPMSCapable(Display *);
extern int DPMSDisable(Display *);
extern int DPMSEnable(Display *);
extern int DPMSForceLevel(Display *, CARD16);
extern int DPMSGetTimeouts(Display *, CARD16 *, CARD16 *, CARD16
*);
extern int DPMSGetVersion(Display *, int *, int *);
extern int DPMSInfo(Display *, CARD16 *, BOOL *);
extern int DPMSQueryExtension(Display *, int *, int *);
extern int DPMSSetTimeouts(Display *, CARD16, CARD16, CARD16);
```

6.12.6 X11/extensions/security.h

```
typedef unsigned long int XSecurityAuthorization;
typedef struct {
    unsigned int timeout;
    unsigned int trust_level;
```

```
    XID group;
    long int event_mask;
} XSecurityAuthorizationAttributes;
extern Xauth *XSecurityAllocXauth(void);
extern void XSecurityFreeXauth(Xauth *);
extern Xauth *XSecurityGenerateAuthorization(Display *, Xauth *,
                                             unsigned long int,

XSecurityAuthorizationAttributes
                                             *,
XSecurityAuthorization *);
extern int XSecurityQueryExtension(Display *, int *, int *);
extern      int      XSecurityRevokeAuthorization(Display      *,
XSecurityAuthorization);
```

6.12.7 X11/extensions/shape.h

```
extern void XShapeCombineMask(Display *, Window, int, int, int,
Pixmap,
                              int);
extern void XShapeCombineRectangles(Display *, Window, int, int,
int,
                                   XRectangle *, int, int, int);
extern void XShapeCombineRegion(Display *, Window, int, int, int,
Region,
                               int);
extern void XShapeCombineShape(Display *, Window, int, int, int,
Window,
                              int, int);
extern XRectangle *XShapeGetRectangles(Display *, Window, int,
int *,
                                       int *);
extern unsigned long int XShapeInputSelected(Display *, Window);
extern void XShapeOffsetShape(Display *, Window, int, int, int);
extern int XShapeQueryExtension(Display *, int *, int *);
extern int XShapeQueryExtents(Display *, Window, int *, int *,
int *,
                              unsigned int *, unsigned int *, int
*, int *,
                              int *, unsigned int *, unsigned int
*);
extern int XShapeQueryVersion(Display *, int *, int *);
extern void XShapeSelectInput(Display *, Window, unsigned long
int);
```

6.12.8 X11/extensions/sync.h

```
typedef struct _XSyncSystemCounter {
    char *name;
    XSyncCounter counter;
    XSyncValue resolution;
} XSyncSystemCounter;
typedef struct {
    XSyncCounter counter;
    XSyncValueType value_type;
    XSyncValue wait_value;
    XSyncTestType test_type;
} XSyncTrigger;
typedef struct {
    XSyncTrigger trigger;
    XSyncValue event_threshold;
} XSyncWaitCondition;
typedef struct {
    XSyncTrigger trigger;
```

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```
    XSyncValue delta;
    int events;
    XSyncAlarmState state;
} XSyncAlarmAttributes;

typedef XID XSyncCounter;
typedef XID XSyncAlarm;
typedef struct _XSyncValue {
    int hi;
    unsigned int lo;
} XSyncValue;
typedef enum {
    XSyncAbsolute,
    XSyncRelative
} XSyncValueType;
typedef enum {
    XSyncPositiveTransition,
    XSyncNegativeTransition,
    XSyncPositiveComparison,
    XSyncNegativeComparison
} XSyncTestType;
typedef enum {
    XSyncAlarmActive,
    XSyncAlarmInactive,
    XSyncAlarmDestroyed
} XSyncAlarmState;
extern int XSyncAwait(Display *, XSyncWaitCondition *, int);
extern int XSyncChangeAlarm(Display *, XSyncAlarm, unsigned long
int,
                            XSyncAlarmAttributes *);
extern    int    XSyncChangeCounter(Display    *,    XSyncCounter,
XSyncValue);
extern XSyncAlarm XSyncCreateAlarm(Display *, unsigned long int,
                                   XSyncAlarmAttributes *);
extern XSyncCounter XSyncCreateCounter(Display *, XSyncValue);
extern int XSyncDestroyAlarm(Display *, XSyncAlarm);
extern int XSyncDestroyCounter(Display *, XSyncCounter);
extern void XSyncFreeSystemCounterList(XSyncSystemCounter *);
extern int XSyncGetPriority(Display *, XID, int *);
extern int XSyncInitialize(Display *, int *, int *);
extern void XSyncIntToValue(XSyncValue *, int);
extern void XSyncIntsToValue(XSyncValue *, unsigned int, int);
extern XSyncSystemCounter *XSyncListSystemCounters(Display *, int
*);
extern void XSyncMaxValue(XSyncValue *);
extern void XSyncMinValue(XSyncValue *);
extern     int     XSyncQueryAlarm(Display     *,     XSyncAlarm,
XSyncAlarmAttributes *);
extern int XSyncQueryCounter(Display *, XSyncCounter, XSyncValue
*);
extern int XSyncQueryExtension(Display *, int *, int *);
extern int XSyncSetCounter(Display *, XSyncCounter, XSyncValue);
extern int XSyncSetPriority(Display *, XID, int);
extern void XSyncValueAdd(XSyncValue *, XSyncValue, XSyncValue,
int *);
extern int XSyncValueEqual(XSyncValue, XSyncValue);
extern int XSyncValueGreaterOrEqual(XSyncValue, XSyncValue);
extern int XSyncValueGreaterThan(XSyncValue, XSyncValue);
extern int XSyncValueHigh32(XSyncValue);
extern int XSyncValueIsNegative(XSyncValue);
extern int XSyncValueIsPositive(XSyncValue);
extern int XSyncValueIsZero(XSyncValue);
extern int XSyncValueLessOrEqual(XSyncValue, XSyncValue);
extern int XSyncValueLessThan(XSyncValue, XSyncValue);
extern unsigned int XSyncValueLow32(XSyncValue);
```

```
extern void XSyncValueSubtract(XSyncValue *, XSyncValue,
XSyncValue,
                                int *);
```

6.13 Interfaces for libXi

Table 6-19 defines the library name and shared object name for the libXi library

Table 6-19 libXi Definition

Library:	libXi
SONAME:	libXi.so.6

The behavior of the interfaces in this library is specified by the following specifications:

[XINPUT] X11 Input Library

6.13.1 XInput

6.13.1.1 Interfaces for XInput

An LSB conforming implementation shall provide the generic functions for XInput specified in Table 6-20, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-20 libXi - XInput Function Interfaces

XAllowDeviceEvents [XINPUT]	XChangeDeviceControl [XINPUT]	XChangeDeviceDontPropagateList [XINPUT]	XChangeDeviceKeyMapping [XINPUT]
XChangeFeedbackControl [XINPUT]	XChangeKeyboardDevice [XINPUT]	XChangePointerDevice [XINPUT]	XCloseDevice [XINPUT]
XDeviceBell [XINPUT]	XFreeDeviceControl [XINPUT]	XFreeDeviceList [XINPUT]	XFreeDeviceMotionEvents [XINPUT]
XFreeDeviceState [XINPUT]	XFreeFeedbackList [XINPUT]	XGetDeviceButtonMapping [XINPUT]	XGetDeviceControl [XINPUT]
XGetDeviceDontPropagateList [XINPUT]	XGetDeviceFocus [XINPUT]	XGetDeviceKeyMapping [XINPUT]	XGetDeviceModifierMapping [XINPUT]
XGetDeviceMotionEvents [XINPUT]	XGetExtensionVersion [XINPUT]	XGetFeedbackControl [XINPUT]	XGetSelectedExtensionEvents [XINPUT]
XGrabDevice [XINPUT]	XGrabDeviceButton [XINPUT]	XGrabDeviceKey [XINPUT]	XInput_find_display [XINPUT]
XListInputDevices [XINPUT]	XOpenDevice [XINPUT]	XQueryDeviceState [XINPUT]	XSelectExtensionEvent [XINPUT]
XSendExtensionEvent [XINPUT]	XSetDeviceButtonMapping	XSetDeviceFocus [XINPUT]	XSetDeviceMode [XINPUT]

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	[XINPUT]		
XSetDeviceModifierMapping [XINPUT]	XSetDeviceValuators [XINPUT]	XUngrabDevice [XINPUT]	XUngrabDeviceButton [XINPUT]
XUngrabDeviceKey [XINPUT]			

III OpenGL Libraries

7 Libraries

7.1 Interfaces for libGL

Table 7-1 defines the library name and shared object name for the libGL library

Table 7-1 libGL Definition

Library:	libGL
SONAME:	libGL.so.1

The behavior of the interfaces in this library is specified by the following specifications:

[OGL] OpenGL

7.1.1 GL X interface

7.1.1.1 Interfaces for GL X interface

An LSB conforming implementation shall provide the generic functions for GL X interface specified in Table 7-2, with the full mandatory functionality as described in the referenced underlying specification.

Table 7-2 libGL - GL X interface Function Interfaces

glXChooseVisual [OGL]	glXCopyContext [OGL]	glXCreateContext [OGL]	glXCreateGLXPixmap [OGL]
glXCreateNewContext [OGL]	glXCreatePbuffer [OGL]	glXCreatePixmap [OGL]	glXCreateWindow [OGL]
glXDestroyContext [OGL]	glXDestroyGLXPixmap [OGL]	glXDestroyPbuffer [OGL]	glXDestroyPixmap [OGL]
glXDestroyWindow [OGL]	glXFreeContextEXT [OGL]	glXGetClientString [OGL]	glXGetConfig [OGL]
glXGetContextIDEXT [OGL]	glXGetCurrentContext [OGL]	glXGetCurrentDisplay [OGL]	glXGetCurrentDrawable [OGL]
glXGetCurrentReadDrawable [OGL]	glXGetFBConfigAttrib [OGL]	glXGetProcAddressARB [OGL]	glXGetSelectedEvent [OGL]
glXGetVisualFromFBConfig [OGL]	glXImportContextEXT [OGL]	glXIsDirect [OGL]	glXMakeContextCurrent [OGL]
glXMakeCurrent [OGL]	glXQueryContext [OGL]	glXQueryContextInfoEXT [OGL]	glXQueryDrawable [OGL]
glXQueryExtension [OGL]	glXQueryExtensionsString [OGL]	glXQueryServerString [OGL]	glXQueryVersion [OGL]
glXSelectEvent [OGL]	glXSwapBuffers [OGL]	glXUseXFont [OGL]	glXWaitGL [OGL]
glXWaitX [OGL]			

7.1.2 OpenGL

7.1.2.1 Interfaces for OpenGL

An LSB conforming implementation shall provide the generic functions for OpenGL specified in Table 7-3, with the full mandatory functionality as described in the referenced underlying specification.

Table 7-3 libGL - OpenGL Function Interfaces

glAccum [OGL]	glActiveTexture ARB [OGL]	glAlphaFunc [OGL]	glAreTexturesRe sident [OGL]
glArrayElement [OGL]	glBegin [OGL]	glBindTexture [OGL]	glBitmap [OGL]
glBlendColor [OGL]	glBlendEquation [OGL]	glBlendFunc [OGL]	glCallList [OGL]
glCallLists [OGL]	glClear [OGL]	glClearAccum [OGL]	glClearColor [OGL]
glClearDepth [OGL]	glClearIndex [OGL]	glClearStencil [OGL]	glClientActiveTe xtureARB [OGL]
glClipPlane [OGL]	glColor3b [OGL]	glColor3bv [OGL]	glColor3d [OGL]
glColor3dv [OGL]	glColor3f [OGL]	glColor3fv [OGL]	glColor3i [OGL]
glColor3iv [OGL]	glColor3s [OGL]	glColor3sv [OGL]	glColor3ub [OGL]
glColor3ubv [OGL]	glColor3ui [OGL]	glColor3uiv [OGL]	glColor3us [OGL]
glColor3usv [OGL]	glColor4b [OGL]	glColor4bv [OGL]	glColor4d [OGL]
glColor4dv [OGL]	glColor4f [OGL]	glColor4fv [OGL]	glColor4i [OGL]
glColor4iv [OGL]	glColor4s [OGL]	glColor4sv [OGL]	glColor4ub [OGL]
glColor4ubv [OGL]	glColor4ui [OGL]	glColor4uiv [OGL]	glColor4us [OGL]
glColor4usv [OGL]	glColorMask [OGL]	glColorMaterial [OGL]	glColorPointer [OGL]
glColorSubTable [OGL]	glColorTable [OGL]	glColorTablePara meterfv [OGL]	glColorTablePara meteriv [OGL]
glConvolutionFil ter1D [OGL]	glConvolutionFil ter2D [OGL]	glConvolutionPa rameterf [OGL]	glConvolutionPa rameterfv [OGL]
glConvolutionPa rameteri [OGL]	glConvolutionPa rameteriv [OGL]	glCopyColorSub Table [OGL]	glCopyColorTabl e [OGL]
glCopyConvoluti onFilter1D	glCopyConvoluti onFilter2D	glCopyPixels	glCopyTexImage

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[OGL]	[OGL]	[OGL]	1D [OGL]
glCopyTexImage 2D [OGL]	glCopyTexSubImage1D [OGL]	glCopyTexSubImage2D [OGL]	glCopyTexSubImage3D [OGL]
glCullFace [OGL]	glDeleteLists [OGL]	glDeleteTextures [OGL]	glDepthFunc [OGL]
glDepthMask [OGL]	glDepthRange [OGL]	glDisable [OGL]	glDisableClientState [OGL]
glDrawArrays [OGL]	glDrawBuffer [OGL]	glDrawElements [OGL]	glDrawPixels [OGL]
glDrawRangeElements [OGL]	glEdgeFlag [OGL]	glEdgeFlagPointer [OGL]	glEdgeFlagv [OGL]
glEnable [OGL]	glEnableClientState [OGL]	glEnd [OGL]	glEndList [OGL]
glEvalCoord1d [OGL]	glEvalCoord1dv [OGL]	glEvalCoord1f [OGL]	glEvalCoord1fv [OGL]
glEvalCoord2d [OGL]	glEvalCoord2dv [OGL]	glEvalCoord2f [OGL]	glEvalCoord2fv [OGL]
glEvalMesh1 [OGL]	glEvalMesh2 [OGL]	glEvalPoint1 [OGL]	glEvalPoint2 [OGL]
glFeedbackBuffer [OGL]	glFinish [OGL]	glFlush [OGL]	glFogf [OGL]
glFogfv [OGL]	glFogi [OGL]	glFogiv [OGL]	glFrontFace [OGL]
glFrustum [OGL]	glGenLists [OGL]	glGenTextures [OGL]	glGetBooleanv [OGL]
glGetClipPlane [OGL]	glGetColorTable [OGL]	glGetColorTable Parameterfv [OGL]	glGetColorTable Parameteriv [OGL]
glGetConvolutionFilter [OGL]	glGetConvolutionParameterfv [OGL]	glGetConvolutionParameteriv [OGL]	glGetDoublev [OGL]
glGetError [OGL]	glGetFloatv [OGL]	glGetHistogram [OGL]	glGetHistogramParameterfv [OGL]
glGetHistogramParameteriv [OGL]	glGetIntegerv [OGL]	glGetLightfv [OGL]	glGetLightiv [OGL]
glGetMapdv [OGL]	glGetMapfv [OGL]	glGetMapiv [OGL]	glGetMaterialfv [OGL]
glGetMaterialiv [OGL]	glGetMinmax [OGL]	glGetMinmaxParameterfv [OGL]	glGetMinmaxParameteriv [OGL]
glGetPixelMapfv [OGL]	glGetPixelMapuiv [OGL]	glGetPixelMapusv [OGL]	glGetPointerv [OGL]

glGetPolygonStipple [OGL]	glGetSeparableFilter [OGL]	glGetString [OGL]	glGetTexEnvfv [OGL]
glGetTexEnviv [OGL]	glGetTexGendv [OGL]	glGetTexGenfv [OGL]	glGetTexGeniv [OGL]
glGetTexImage [OGL]	glGetTexLevelParameterfv [OGL]	glGetTexLevelParameteriv [OGL]	glGetTexParameterfv [OGL]
glGetTexParameteriv [OGL]	glHint [OGL]	glHistogram [OGL]	glIndexMask [OGL]
glIndexPointer [OGL]	glIndexd [OGL]	glIndexdv [OGL]	glIndexf [OGL]
glIndexfv [OGL]	glIndexi [OGL]	glIndexiv [OGL]	glIndexs [OGL]
glIndexsv [OGL]	glIndexub [OGL]	glIndexubv [OGL]	glInitNames [OGL]
glInterleavedArrays [OGL]	glIsEnabled [OGL]	glIsList [OGL]	glIsTexture [OGL]
glLightModelf [OGL]	glLightModelfv [OGL]	glLightModeli [OGL]	glLightModeliv [OGL]
glLightf [OGL]	glLightfv [OGL]	glLighti [OGL]	glLightiv [OGL]
glLineStipple [OGL]	glLineWidth [OGL]	glListBase [OGL]	glLoadIdentity [OGL]
glLoadMatrixd [OGL]	glLoadMatrixf [OGL]	glLoadName [OGL]	glLogicOp [OGL]
glMap1d [OGL]	glMap1f [OGL]	glMap2d [OGL]	glMap2f [OGL]
glMapGrid1d [OGL]	glMapGrid1f [OGL]	glMapGrid2d [OGL]	glMapGrid2f [OGL]
glMaterialf [OGL]	glMaterialfv [OGL]	glMateriali [OGL]	glMaterialiv [OGL]
glMatrixMode [OGL]	glMinmax [OGL]	glMultMatrixd [OGL]	glMultMatrixf [OGL]
glMultiTexCoord1dARB [OGL]	glMultiTexCoord1dvARB [OGL]	glMultiTexCoord1fARB [OGL]	glMultiTexCoord1fvARB [OGL]
glMultiTexCoord1iARB [OGL]	glMultiTexCoord1ivARB [OGL]	glMultiTexCoord1sARB [OGL]	glMultiTexCoord1svARB [OGL]
glMultiTexCoord2dARB [OGL]	glMultiTexCoord2dvARB [OGL]	glMultiTexCoord2fARB [OGL]	glMultiTexCoord2fvARB [OGL]
glMultiTexCoord2iARB [OGL]	glMultiTexCoord2ivARB [OGL]	glMultiTexCoord2sARB [OGL]	glMultiTexCoord2svARB [OGL]
glMultiTexCoord3dARB [OGL]	glMultiTexCoord3dvARB [OGL]	glMultiTexCoord3fARB [OGL]	glMultiTexCoord3fvARB [OGL]
glMultiTexCoord3iARB [OGL]	glMultiTexCoord3ivARB [OGL]	glMultiTexCoord3sARB [OGL]	glMultiTexCoord3svARB [OGL]

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glMultiTexCoord 4dARB [OGL]	glMultiTexCoord 4dvARB [OGL]	glMultiTexCoord 4fARB [OGL]	glMultiTexCoord 4fvARB [OGL]
glMultiTexCoord 4iARB [OGL]	glMultiTexCoord 4ivARB [OGL]	glMultiTexCoord 4sARB [OGL]	glMultiTexCoord 4svARB [OGL]
glNewList [OGL]	glNormal3b [OGL]	glNormal3bv [OGL]	glNormal3d [OGL]
glNormal3dv [OGL]	glNormal3f [OGL]	glNormal3fv [OGL]	glNormal3i [OGL]
glNormal3iv [OGL]	glNormal3s [OGL]	glNormal3sv [OGL]	glNormalPointer [OGL]
glOrtho [OGL]	glPassThrough [OGL]	glPixelMapfv [OGL]	glPixelMapuiv [OGL]
glPixelMapusv [OGL]	glPixelStoref [OGL]	glPixelStorei [OGL]	glPixelTransferf [OGL]
glPixelTransferi [OGL]	glPixelZoom [OGL]	glPointSize [OGL]	glPolygonMode [OGL]
glPolygonOffset [OGL]	glPolygonStipple [OGL]	glPopAttrib [OGL]	glPopClientAttrib [OGL]
glPopMatrix [OGL]	glPopName [OGL]	glPrioritizeTextures [OGL]	glPushAttrib [OGL]
glPushClientAttrib [OGL]	glPushMatrix [OGL]	glPushName [OGL]	glRasterPos2d [OGL]
glRasterPos2dv [OGL]	glRasterPos2f [OGL]	glRasterPos2fv [OGL]	glRasterPos2i [OGL]
glRasterPos2iv [OGL]	glRasterPos2s [OGL]	glRasterPos2sv [OGL]	glRasterPos3d [OGL]
glRasterPos3dv [OGL]	glRasterPos3f [OGL]	glRasterPos3fv [OGL]	glRasterPos3i [OGL]
glRasterPos3iv [OGL]	glRasterPos3s [OGL]	glRasterPos3sv [OGL]	glRasterPos4d [OGL]
glRasterPos4dv [OGL]	glRasterPos4f [OGL]	glRasterPos4fv [OGL]	glRasterPos4i [OGL]
glRasterPos4iv [OGL]	glRasterPos4s [OGL]	glRasterPos4sv [OGL]	glReadBuffer [OGL]
glReadPixels [OGL]	glRectd [OGL]	glRectdv [OGL]	glRectf [OGL]
glRectfv [OGL]	glRecti [OGL]	glRectiv [OGL]	glRects [OGL]
glRectsv [OGL]	glRenderMode [OGL]	glResetHistogram [OGL]	glResetMinmax [OGL]
glRotated [OGL]	glRotatef [OGL]	glScaled [OGL]	glScalef [OGL]
glScissor [OGL]	glSelectBuffer [OGL]	glSeparableFilter 2D [OGL]	glShadeModel [OGL]

glStencilFunc [OGL]	glStencilMask [OGL]	glStencilOp [OGL]	glTexCoord1d [OGL]
glTexCoord1dv [OGL]	glTexCoord1f [OGL]	glTexCoord1fv [OGL]	glTexCoord1i [OGL]
glTexCoord1iv [OGL]	glTexCoord1s [OGL]	glTexCoord1sv [OGL]	glTexCoord2d [OGL]
glTexCoord2dv [OGL]	glTexCoord2f [OGL]	glTexCoord2fv [OGL]	glTexCoord2i [OGL]
glTexCoord2iv [OGL]	glTexCoord2s [OGL]	glTexCoord2sv [OGL]	glTexCoord3d [OGL]
glTexCoord3dv [OGL]	glTexCoord3f [OGL]	glTexCoord3fv [OGL]	glTexCoord3i [OGL]
glTexCoord3iv [OGL]	glTexCoord3s [OGL]	glTexCoord3sv [OGL]	glTexCoord4d [OGL]
glTexCoord4dv [OGL]	glTexCoord4f [OGL]	glTexCoord4fv [OGL]	glTexCoord4i [OGL]
glTexCoord4iv [OGL]	glTexCoord4s [OGL]	glTexCoord4sv [OGL]	glTexCoordPointer [OGL]
glTexEnvf [OGL]	glTexEnvfv [OGL]	glTexEnvi [OGL]	glTexEnviv [OGL]
glTexGend [OGL]	glTexGendv [OGL]	glTexGenf [OGL]	glTexGenfv [OGL]
glTexGeni [OGL]	glTexGeniv [OGL]	glTexImage1D [OGL]	glTexImage2D [OGL]
glTexImage3D [OGL]	glTexParameterf [OGL]	glTexParameterfv [OGL]	glTexParameteri [OGL]
glTexParameteriv [OGL]	glTexSubImage1D [OGL]	glTexSubImage2D [OGL]	glTexSubImage3D [OGL]
glTranslated [OGL]	glTranslatef [OGL]	glVertex2d [OGL]	glVertex2dv [OGL]
glVertex2f [OGL]	glVertex2fv [OGL]	glVertex2i [OGL]	glVertex2iv [OGL]
glVertex2s [OGL]	glVertex2sv [OGL]	glVertex3d [OGL]	glVertex3dv [OGL]
glVertex3f [OGL]	glVertex3fv [OGL]	glVertex3i [OGL]	glVertex3iv [OGL]
glVertex3s [OGL]	glVertex3sv [OGL]	glVertex4d [OGL]	glVertex4dv [OGL]
glVertex4f [OGL]	glVertex4fv [OGL]	glVertex4i [OGL]	glVertex4iv [OGL]
glVertex4s [OGL]	glVertex4sv [OGL]	glVertexPointer [OGL]	glViewport [OGL]

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glXChooseFBConfig [OGL]			

7.2 Data Definitions for libGL

This section defines global identifiers and their values that are associated with interfaces contained in libGL. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and application developers should use this ABI to supplement - not to replace - source interface definition specifications.

This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

7.2.1 GL/gl.h

```
typedef unsigned int GLenum;
typedef unsigned char GLboolean;
typedef unsigned int GLbitfield;
typedef void GLvoid;
typedef char GLbyte;
typedef short GLshort;
typedef int GLint;
typedef unsigned char GLubyte;
typedef unsigned short GLushort;
typedef unsigned int GLuint;
typedef int GLsizei;
typedef float GLfloat;
typedef float GLclampf;
typedef double GLdouble;
typedef double GLclampd;

#define GL_UNSIGNED_BYTE        0x1401
#define GL_SHORT        0x1402
#define GL_UNSIGNED_SHORT       0x1403
#define GL_INT  0x1404
#define GL_UNSIGNED_INT 0x1405
#define GL_FLOAT        0x1406
#define GL_2_BYTES      0x1407
#define GL_3_BYTES      0x1408
#define GL_4_BYTES      0x1409
#define GL_DOUBLE       0x140A

#define GL_POINTS       0x0000
#define GL_LINES        0x0001
#define GL_LINE_LOOP    0x0002
#define GL_LINE_STRIP   0x0003
#define GL_TRIANGLES    0x0004
#define GL_TRIANGLE_STRIP       0x0005
#define GL_TRIANGLE_FAN 0x0006
#define GL_QUADS        0x0007
#define GL_QUAD_STRIP   0x0008
```

```
#define GL_POLYGON      0x0009

#define GL_V2F  0x2A20
#define GL_V3F  0x2A21
#define GL_C4UB_V2F     0x2A22
#define GL_C4UB_V3F     0x2A23
#define GL_C3F_V3F      0x2A24
#define GL_N3F_V3F      0x2A25
#define GL_C4F_N3F_V3F  0x2A26
#define GL_T2F_V3F      0x2A27
#define GL_T4F_V4F      0x2A28
#define GL_T2F_C4UB_V3F 0x2A29
#define GL_T2F_C3F_V3F  0x2A2A
#define GL_T2F_N3F_V3F  0x2A2B
#define GL_T2F_C4F_N3F_V3F      0x2A2C
#define GL_T4F_C4F_N3F_V4F      0x2A2D
#define GL_VERTEX_ARRAY 0x8074
#define GL_NORMAL_ARRAY 0x8075
#define GL_COLOR_ARRAY  0x8076
#define GL_INDEX_ARRAY  0x8077
#define GL_TEXTURE_COORD_ARRAY  0x8078
#define GL_EDGE_FLAG_ARRAY      0x8079
#define GL_VERTEX_ARRAY_SIZE    0x807A
#define GL_VERTEX_ARRAY_TYPE    0x807B
#define GL_VERTEX_ARRAY_STRIDE  0x807C
#define GL_NORMAL_ARRAY_TYPE    0x807E
#define GL_NORMAL_ARRAY_STRIDE  0x807F
#define GL_COLOR_ARRAY_SIZE     0x8081
#define GL_COLOR_ARRAY_TYPE     0x8082
#define GL_COLOR_ARRAY_STRIDE   0x8083
#define GL_INDEX_ARRAY_TYPE     0x8085
#define GL_INDEX_ARRAY_STRIDE   0x8086
#define GL_TEXTURE_COORD_ARRAY_SIZE     0x8088
#define GL_TEXTURE_COORD_ARRAY_TYPE     0x8089
#define GL_TEXTURE_COORD_ARRAY_STRIDE   0x808A
#define GL_EDGE_FLAG_ARRAY_STRIDE       0x808C
#define GL_VERTEX_ARRAY_POINTER 0x808E
#define GL_NORMAL_ARRAY_POINTER 0x808F
#define GL_COLOR_ARRAY_POINTER  0x8090
#define GL_INDEX_ARRAY_POINTER  0x8091
#define GL_TEXTURE_COORD_ARRAY_POINTER  0x8092

#define GL_MATRIX_MODE  0x0BA0
#define GL_MODELVIEW    0x1700
#define GL_PROJECTION   0x1701
#define GL_TEXTURE      0x1702

extern void glAccum(GLenum, GLfloat);
extern void glAlphaFunc(GLenum, GLclampf);
extern   GLboolean   glAreTexturesResident(GLsizei,   GLuint   *,
GLboolean *);
extern void glArrayElement(GLint);
extern void glBegin(GLenum);
extern void glBindTexture(GLenum, GLuint);
extern void glBitmap(GLsizei, GLsizei, GLfloat, GLfloat, GLfloat,
GLfloat,
                     GLubyte *);
extern void glBlendFunc(GLenum, GLenum);
extern void glCallList(GLuint);
extern void glCallLists(GLsizei, GLenum, GLvoid *);
extern void glClear(GLbitfield);
extern void glClearAccum(GLfloat, GLfloat, GLfloat, GLfloat);
extern void glClearColor(GLclampf, GLclampf, GLclampf, GLclampf);
extern void glClearDepth(GLclampd);
extern void glClearIndex(GLfloat);
extern void glClearStencil(GLint);
```

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```
extern void glClipPlane(GLenum, GLdouble *);
extern void glColor3b(GLbyte, GLbyte, GLbyte);
extern void glColor3bv(GLbyte *);
extern void glColor3d(GLdouble, GLdouble, GLdouble);
extern void glColor3dv(GLdouble *);
extern void glColor3f(GLfloat, GLfloat, GLfloat);
extern void glColor3fv(GLfloat *);
extern void glColor3i(GLint, GLint, GLint);
extern void glColor3iv(GLint *);
extern void glColor3s(GLshort, GLshort, GLshort);
extern void glColor3sv(GLshort *);
extern void glColor3ub(GLubyte, GLubyte, GLubyte);
extern void glColor3ubv(GLubyte *);
extern void glColor3ui(GLuint, GLuint, GLuint);
extern void glColor3uiv(GLuint *);
extern void glColor3us(GLushort, GLushort, GLushort);
extern void glColor3usv(GLushort *);
extern void glColor4b(GLbyte, GLbyte, GLbyte, GLbyte);
extern void glColor4bv(GLbyte *);
extern void glColor4d(GLdouble, GLdouble, GLdouble, GLdouble);
extern void glColor4dv(GLdouble *);
extern void glColor4f(GLfloat, GLfloat, GLfloat, GLfloat);
extern void glColor4fv(GLfloat *);
extern void glColor4i(GLint, GLint, GLint, GLint);
extern void glColor4iv(GLint *);
extern void glColor4s(GLshort, GLshort, GLshort, GLshort);
extern void glColor4sv(GLshort *);
extern void glColor4ub(GLubyte, GLubyte, GLubyte, GLubyte);
extern void glColor4ubv(GLubyte *);
extern void glColor4ui(GLuint, GLuint, GLuint, GLuint);
extern void glColor4uiv(GLuint *);
extern void glColor4us(GLushort, GLushort, GLushort, GLushort);
extern void glColor4usv(GLushort *);
extern   void   glColorMask(GLboolean,   GLboolean,   GLboolean,
GLboolean);
extern void glColorMaterial(GLenum, GLenum);
extern void glColorPointer(GLint, GLenum, GLsizei, GLvoid *);
extern void glCopyPixels(GLint, GLint, GLsizei, GLsizei, GLenum);
extern void glCopyTexImage1D(GLenum, GLint, GLenum, GLint, GLint,
GLsizei,
                             GLint);
extern void glCopyTexImage2D(GLenum, GLint, GLenum, GLint, GLint,
GLsizei,
                             GLsizei, GLint);
extern  void  glCopyTexSubImage1D(GLenum,  GLint,  GLint,  GLint,
GLint,
                                  GLsizei);
extern  void  glCopyTexSubImage2D(GLenum,  GLint,  GLint,  GLint,
GLint, GLint,
                                  GLsizei, GLsizei);
extern void glCullFace(GLenum);
extern void glDeleteLists(GLuint, GLsizei);
extern void glDeleteTextures(GLsizei, GLuint *);
extern void glDepthFunc(GLenum);
extern void glDepthMask(GLboolean);
extern void glDepthRange(GLclampd, GLclampd);
extern void glDisable(GLenum);
extern void glDisableClientState(GLenum);
extern void glDrawArrays(GLenum, GLint, GLsizei);
extern void glDrawBuffer(GLenum);
extern void glDrawElements(GLenum, GLsizei, GLenum, GLvoid *);
extern void glDrawPixels(GLsizei, GLsizei, GLenum, GLenum, GLvoid
*);
extern void glEdgeFlag(GLboolean);
extern void glEdgeFlagPointer(GLsizei, GLvoid *);
extern void glEdgeFlagv(GLboolean *);
```

```
extern void glEnable(GLenum);
extern void glEnableClientState(GLenum);
extern void glEnd(void);
extern void glEndList(void);
extern void glEvalCoord1d(GLdouble);
extern void glEvalCoord1dv(GLdouble *);
extern void glEvalCoord1f(GLfloat);
extern void glEvalCoord1fv(GLfloat *);
extern void glEvalCoord2d(GLdouble, GLdouble);
extern void glEvalCoord2dv(GLdouble *);
extern void glEvalCoord2f(GLfloat, GLfloat);
extern void glEvalCoord2fv(GLfloat *);
extern void glEvalMesh1(GLenum, GLint, GLint);
extern void glEvalMesh2(GLenum, GLint, GLint, GLint, GLint);
extern void glEvalPoint1(GLint);
extern void glEvalPoint2(GLint, GLint);
extern void glFeedbackBuffer(GLsizei, GLenum, GLfloat *);
extern void glFinish(void);
extern void glFlush(void);
extern void glFogf(GLenum, GLfloat);
extern void glFogfv(GLenum, GLfloat *);
extern void glFogi(GLenum, GLint);
extern void glFogiv(GLenum, GLint *);
extern void glFrontFace(GLenum);
extern  void  glFrustum(GLdouble,  GLdouble,  GLdouble,  GLdouble,
GLdouble,
                      GLdouble);
extern GLuint glGenLists(GLsizei);
extern void glGenTextures(GLsizei, GLuint *);
extern void glGetBooleanv(GLenum, GLboolean *);
extern void glGetClipPlane(GLenum, GLdouble *);
extern void glGetDoublev(GLenum, GLdouble *);
extern GLenum glGetError(void);
extern void glGetFloatv(GLenum, GLfloat *);
extern void glGetIntegerv(GLenum, GLint *);
extern void glGetLightfv(GLenum, GLenum, GLfloat *);
extern void glGetLightiv(GLenum, GLenum, GLint *);
extern void glGetMapdv(GLenum, GLenum, GLdouble *);
extern void glGetMapfv(GLenum, GLenum, GLfloat *);
extern void glGetMapiv(GLenum, GLenum, GLint *);
extern void glGetMaterialfv(GLenum, GLenum, GLfloat *);
extern void glGetMaterialiv(GLenum, GLenum, GLint *);
extern void glGetPixelMapfv(GLenum, GLfloat *);
extern void glGetPixelMapuiv(GLenum, GLuint *);
extern void glGetPixelMapusv(GLenum, GLushort *);
extern void glGetPointerv(GLenum, void **);
extern void glGetPolygonStipple(GLubyte *);
extern GLubyte *glGetString(GLenum);
extern void glGetTexEnvfv(GLenum, GLenum, GLfloat *);
extern void glGetTexEnviv(GLenum, GLenum, GLint *);
extern void glGetTexGendv(GLenum, GLenum, GLdouble *);
extern void glGetTexGenfv(GLenum, GLenum, GLfloat *);
extern void glGetTexGeniv(GLenum, GLenum, GLint *);
extern  void  glGetTexImage(GLenum,  GLint,  GLenum,  GLenum,  GLvoid
*);
extern  void  glGetTexLevelParameterfv(GLenum,  GLint,  GLenum,
GLfloat *);
extern void glGetTexLevelParameteriv(GLenum, GLint, GLenum, GLint
*);
extern void glGetTexParameterfv(GLenum, GLenum, GLfloat *);
extern void glGetTexParameteriv(GLenum, GLenum, GLint *);
extern void glHint(GLenum, GLenum);
extern void glIndexMask(GLuint);
extern void glIndexPointer(GLenum, GLsizei, GLvoid *);
extern void glIndexd(GLdouble);
extern void glIndexdv(GLdouble *);
```

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```
extern void glIndexf(GLfloat);
extern void glIndexfv(GLfloat *);
extern void glIndexi(GLint);
extern void glIndexiv(GLint *);
extern void glIndexs(GLshort);
extern void glIndexsv(GLshort *);
extern void glIndexub(GLubyte);
extern void glIndexubv(GLubyte *);
extern void glInitNames(void);
extern void glInterleavedArrays(GLenum, GLsizei, GLvoid *);
extern GLboolean glIsEnabled(GLenum);
extern GLboolean glIsList(GLuint);
extern GLboolean glIsTexture(GLuint);
extern void glLightModelf(GLenum, GLfloat);
extern void glLightModelfv(GLenum, GLfloat *);
extern void glLightModeli(GLenum, GLint);
extern void glLightModeliv(GLenum, GLint *);
extern void glLightf(GLenum, GLenum, GLfloat);
extern void glLightfv(GLenum, GLenum, GLfloat *);
extern void glLighti(GLenum, GLenum, GLint);
extern void glLightiv(GLenum, GLenum, GLint *);
extern void glLineStipple(GLint, GLushort);
extern void glLineWidth(GLfloat);
extern void glListBase(GLuint);
extern void glLoadIdentity(void);
extern void glLoadMatrixd(GLdouble *);
extern void glLoadMatrixf(GLfloat *);
extern void glLoadName(GLuint);
extern void glLogicOp(GLenum);
extern void glMap1d(GLenum, GLdouble, GLdouble, GLint, GLint,
GLdouble *);
extern void glMap1f(GLenum, GLfloat, GLfloat, GLint, GLint,
GLfloat *);
extern void glMap2d(GLenum, GLdouble, GLdouble, GLint, GLint,
GLdouble,
                    GLdouble, GLint, GLint, GLdouble *);
extern void glMap2f(GLenum, GLfloat, GLfloat, GLint, GLint,
GLfloat,
                    GLfloat, GLint, GLint, GLfloat *);
extern void glMapGrid1d(GLint, GLdouble, GLdouble);
extern void glMapGrid1f(GLint, GLfloat, GLfloat);
extern void glMapGrid2d(GLint, GLdouble, GLdouble, GLint,
GLdouble,
                        GLdouble);
extern void glMapGrid2f(GLint, GLfloat, GLfloat, GLint, GLfloat,
GLfloat);
extern void glMaterialf(GLenum, GLenum, GLfloat);
extern void glMaterialfv(GLenum, GLenum, GLfloat *);
extern void glMateriali(GLenum, GLenum, GLint);
extern void glMaterialiv(GLenum, GLenum, GLint *);
extern void glMatrixMode(GLenum);
extern void glMultMatrixd(GLdouble *);
extern void glMultMatrixf(GLfloat *);
extern void glNewList(GLuint, GLenum);
extern void glNormal3b(GLbyte, GLbyte, GLbyte);
extern void glNormal3bv(GLbyte *);
extern void glNormal3d(GLdouble, GLdouble, GLdouble);
extern void glNormal3dv(GLdouble *);
extern void glNormal3f(GLfloat, GLfloat, GLfloat);
extern void glNormal3fv(GLfloat *);
extern void glNormal3i(GLint, GLint, GLint);
extern void glNormal3iv(GLint *);
extern void glNormal3s(GLshort, GLshort, GLshort);
extern void glNormal3sv(GLshort *);
extern void glNormalPointer(GLenum, GLsizei, GLvoid *);
```

```
extern void glOrtho(GLdouble, GLdouble, GLdouble, GLdouble,
GLdouble,
                    GLdouble);
extern void glPassThrough(GLfloat);
extern void glPixelMapfv(GLenum, GLint, GLfloat *);
extern void glPixelMapuiv(GLenum, GLint, GLuint *);
extern void glPixelMapusv(GLenum, GLint, GLushort *);
extern void glPixelStoref(GLenum, GLfloat);
extern void glPixelStorei(GLenum, GLint);
extern void glPixelTransferf(GLenum, GLfloat);
extern void glPixelTransferi(GLenum, GLint);
extern void glPixelZoom(GLfloat, GLfloat);
extern void glPointSize(GLfloat);
extern void glPolygonMode(GLenum, GLenum);
extern void glPolygonOffset(GLfloat, GLfloat);
extern void glPolygonStipple(GLubyte *);
extern void glPopAttrib(void);
extern void glPopClientAttrib(void);
extern void glPopMatrix(void);
extern void glPopName(void);
extern void glPrioritizeTextures(GLsizei, GLuint *, GLclampf *);
extern void glPushAttrib(GLbitfield);
extern void glPushClientAttrib(GLbitfield);
extern void glPushMatrix(void);
extern void glPushName(GLuint);
extern void glRasterPos2d(GLdouble, GLdouble);
extern void glRasterPos2dv(GLdouble *);
extern void glRasterPos2f(GLfloat, GLfloat);
extern void glRasterPos2fv(GLfloat *);
extern void glRasterPos2i(GLint, GLint);
extern void glRasterPos2iv(GLint *);
extern void glRasterPos2s(GLshort, GLshort);
extern void glRasterPos2sv(GLshort *);
extern void glRasterPos3d(GLdouble, GLdouble, GLdouble);
extern void glRasterPos3dv(GLdouble *);
extern void glRasterPos3f(GLfloat, GLfloat, GLfloat);
extern void glRasterPos3fv(GLfloat *);
extern void glRasterPos3i(GLint, GLint, GLint);
extern void glRasterPos3iv(GLint *);
extern void glRasterPos3s(GLshort, GLshort, GLshort);
extern void glRasterPos3sv(GLshort *);
extern void glRasterPos4d(GLdouble, GLdouble, GLdouble,
GLdouble);
extern void glRasterPos4dv(GLdouble *);
extern void glRasterPos4f(GLfloat, GLfloat, GLfloat, GLfloat);
extern void glRasterPos4fv(GLfloat *);
extern void glRasterPos4i(GLint, GLint, GLint, GLint);
extern void glRasterPos4iv(GLint *);
extern void glRasterPos4s(GLshort, GLshort, GLshort, GLshort);
extern void glRasterPos4sv(GLshort *);
extern void glReadBuffer(GLenum);
extern void glReadPixels(GLint, GLint, GLsizei, GLsizei, GLenum,
GLenum,
                         GLvoid *);
extern void glRectd(GLdouble, GLdouble, GLdouble, GLdouble);
extern void glRectdv(GLdouble *, GLdouble *);
extern void glRectf(GLfloat, GLfloat, GLfloat, GLfloat);
extern void glRectfv(GLfloat *, GLfloat *);
extern void glRecti(GLint, GLint, GLint, GLint);
extern void glRectiv(GLint *, GLint *);
extern void glRects(GLshort, GLshort, GLshort, GLshort);
extern void glRectsv(GLshort *, GLshort *);
extern GLint glRenderMode(GLenum);
extern void glRotated(GLdouble, GLdouble, GLdouble, GLdouble);
extern void glRotatef(GLfloat, GLfloat, GLfloat, GLfloat);
extern void glScaled(GLdouble, GLdouble, GLdouble);
```

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```
extern void glScalef(GLfloat, GLfloat, GLfloat);
extern void glScissor(GLint, GLint, GLsizei, GLsizei);
extern void glSelectBuffer(GLsizei, GLuint *);
extern void glShadeModel(GLenum);
extern void glStencilFunc(GLenum, GLint, GLuint);
extern void glStencilMask(GLuint);
extern void glStencilOp(GLenum, GLenum, GLenum);
extern void glTexCoord1d(GLdouble);
extern void glTexCoord1dv(GLdouble *);
extern void glTexCoord1f(GLfloat);
extern void glTexCoord1fv(GLfloat *);
extern void glTexCoord1i(GLint);
extern void glTexCoord1iv(GLint *);
extern void glTexCoord1s(GLshort);
extern void glTexCoord1sv(GLshort *);
extern void glTexCoord2d(GLdouble, GLdouble);
extern void glTexCoord2dv(GLdouble *);
extern void glTexCoord2f(GLfloat, GLfloat);
extern void glTexCoord2fv(GLfloat *);
extern void glTexCoord2i(GLint, GLint);
extern void glTexCoord2iv(GLint *);
extern void glTexCoord2s(GLshort, GLshort);
extern void glTexCoord2sv(GLshort *);
extern void glTexCoord3d(GLdouble, GLdouble, GLdouble);
extern void glTexCoord3dv(GLdouble *);
extern void glTexCoord3f(GLfloat, GLfloat, GLfloat);
extern void glTexCoord3fv(GLfloat *);
extern void glTexCoord3i(GLint, GLint, GLint);
extern void glTexCoord3iv(GLint *);
extern void glTexCoord3s(GLshort, GLshort, GLshort);
extern void glTexCoord3sv(GLshort *);
extern void glTexCoord4d(GLdouble, GLdouble, GLdouble, GLdouble);
extern void glTexCoord4dv(GLdouble *);
extern void glTexCoord4f(GLfloat, GLfloat, GLfloat, GLfloat);
extern void glTexCoord4fv(GLfloat *);
extern void glTexCoord4i(GLint, GLint, GLint, GLint);
extern void glTexCoord4iv(GLint *);
extern void glTexCoord4s(GLshort, GLshort, GLshort, GLshort);
extern void glTexCoord4sv(GLshort *);
extern void glTexCoordPointer(GLint, GLenum, GLsizei, GLvoid *);
extern void glTexEnvf(GLenum, GLenum, GLfloat);
extern void glTexEnvfv(GLenum, GLenum, GLfloat *);
extern void glTexEnvi(GLenum, GLenum, GLint);
extern void glTexEnviv(GLenum, GLenum, GLint *);
extern void glTexGend(GLenum, GLenum, GLdouble);
extern void glTexGendv(GLenum, GLenum, GLdouble *);
extern void glTexGenf(GLenum, GLenum, GLfloat);
extern void glTexGenfv(GLenum, GLenum, GLfloat *);
extern void glTexGeni(GLenum, GLenum, GLint);
extern void glTexGeniv(GLenum, GLenum, GLint *);
extern void glTexImage1D(GLenum, GLint, GLint, GLsizei, GLint,
GLenum,
                         GLenum, GLvoid *);
extern void glTexImage2D(GLenum, GLint, GLint, GLsizei, GLsizei,
GLint,
                         GLenum, GLenum, GLvoid *);
extern void glTexParameterf(GLenum, GLenum, GLfloat);
extern void glTexParameterfv(GLenum, GLenum, GLfloat *);
extern void glTexParameteri(GLenum, GLenum, GLint);
extern void glTexParameteriv(GLenum, GLenum, GLint *);
extern void glTexSubImage1D(GLenum, GLint, GLint, GLsizei,
GLenum, GLenum,
                            GLvoid *);
extern void glTexSubImage2D(GLenum, GLint, GLint, GLint, GLsizei,
GLsizei,
                            GLenum, GLenum, GLvoid *);
```

```
extern void glTranslated(GLdouble, GLdouble, GLdouble);
extern void glTranslatef(GLfloat, GLfloat, GLfloat);
extern void glVertex2d(GLdouble, GLdouble);
extern void glVertex2dv(GLdouble *);
extern void glVertex2f(GLfloat, GLfloat);
extern void glVertex2fv(GLfloat *);
extern void glVertex2i(GLint, GLint);
extern void glVertex2iv(GLint *);
extern void glVertex2s(GLshort, GLshort);
extern void glVertex2sv(GLshort *);
extern void glVertex3d(GLdouble, GLdouble, GLdouble);
extern void glVertex3dv(GLdouble *);
extern void glVertex3f(GLfloat, GLfloat, GLfloat);
extern void glVertex3fv(GLfloat *);
extern void glVertex3i(GLint, GLint, GLint);
extern void glVertex3iv(GLint *);
extern void glVertex3s(GLshort, GLshort, GLshort);
extern void glVertex3sv(GLshort *);
extern void glVertex4d(GLdouble, GLdouble, GLdouble, GLdouble);
extern void glVertex4dv(GLdouble *);
extern void glVertex4f(GLfloat, GLfloat, GLfloat, GLfloat);
extern void glVertex4fv(GLfloat *);
extern void glVertex4i(GLint, GLint, GLint, GLint);
extern void glVertex4iv(GLint *);
extern void glVertex4s(GLshort, GLshort, GLshort, GLshort);
extern void glVertex4sv(GLshort *);
extern void glVertexPointer(GLint, GLenum, GLsizei, GLvoid *);
extern void glViewport(GLint, GLint, GLsizei, GLsizei);
extern void glMultiTexCoord4svARB(GLenum, GLshort *);
extern   void   glMultiTexCoord4sARB(GLenum,   GLshort,   GLshort,
GLshort,
                                GLshort);
extern void glMultiTexCoord4ivARB(GLenum, GLint *);
extern  void  glMultiTexCoord4iARB(GLenum,  GLint,  GLint,  GLint,
GLint);
extern void glMultiTexCoord4fvARB(GLenum, GLfloat *);
extern   void   glMultiTexCoord4fARB(GLenum,   GLfloat,   GLfloat,
GLfloat,
                                GLfloat);
extern void glMultiTexCoord4dvARB(GLenum, GLdouble *);
extern  void  glMultiTexCoord4dARB(GLenum,  GLdouble,  GLdouble,
GLdouble,
                                GLdouble);
extern void glMultiTexCoord3svARB(GLenum, GLshort *);
extern   void   glMultiTexCoord3sARB(GLenum,   GLshort,   GLshort,
GLshort);
extern void glMultiTexCoord3ivARB(GLenum, GLint *);
extern void glMultiTexCoord3iARB(GLenum, GLint, GLint, GLint);
extern void glMultiTexCoord3fvARB(GLenum, GLfloat *);
extern   void   glMultiTexCoord3fARB(GLenum,   GLfloat,   GLfloat,
GLfloat);
extern void glMultiTexCoord3dvARB(GLenum, GLdouble *);
extern  void  glMultiTexCoord3dARB(GLenum,  GLdouble,  GLdouble,
GLdouble);
extern void glMultiTexCoord2svARB(GLenum, GLshort *);
extern void glMultiTexCoord2sARB(GLenum, GLshort, GLshort);
extern void glMultiTexCoord2ivARB(GLenum, GLint *);
extern void glMultiTexCoord2iARB(GLenum, GLint, GLint);
extern void glMultiTexCoord2fvARB(GLenum, GLfloat *);
extern void glMultiTexCoord2fARB(GLenum, GLfloat, GLfloat);
extern void glMultiTexCoord2dvARB(GLenum, GLdouble *);
extern void glMultiTexCoord2dARB(GLenum, GLdouble, GLdouble);
extern void glMultiTexCoord1svARB(GLenum, GLshort *);
extern void glMultiTexCoord1sARB(GLenum, GLshort);
extern void glMultiTexCoord1ivARB(GLenum, GLint *);
extern void glMultiTexCoord1iARB(GLenum, GLint);
```

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```
extern void glMultiTexCoord1fvARB(GLenum, GLfloat *);
extern void glMultiTexCoord1fARB(GLenum, GLfloat);
extern void glMultiTexCoord1dvARB(GLenum, GLdouble *);
extern void glMultiTexCoord1dARB(GLenum, GLdouble);
extern void glClientActiveTextureARB(GLenum);
extern void glActiveTextureARB(GLenum);
extern void glGetSeparableFilter(GLenum, GLenum, GLenum, GLvoid
*,
                                 GLvoid *, GLvoid *);
extern void glSeparableFilter2D(GLenum, GLenum, GLsizei, GLsizei,
GLenum,
                                GLenum, GLvoid *, GLvoid *);
extern void glGetConvolutionParameteriv(GLenum, GLenum, GLint *);
extern void glGetConvolutionParameterfv(GLenum, GLenum, GLfloat
*);
extern void glGetConvolutionFilter(GLenum, GLenum, GLenum, GLvoid
*);
extern void glCopyConvolutionFilter2D(GLenum, GLenum, GLint,
GLint,
                                      GLsizei, GLsizei);
extern void glCopyConvolutionFilter1D(GLenum, GLenum, GLint,
GLint,
                                      GLsizei);
extern void glConvolutionParameteriv(GLenum, GLenum, GLint *);
extern void glConvolutionParameteri(GLenum, GLenum, GLint);
extern void glConvolutionParameterfv(GLenum, GLenum, GLfloat *);
extern void glConvolutionParameterf(GLenum, GLenum, GLfloat);
extern void glConvolutionFilter2D(GLenum, GLenum, GLsizei,
GLsizei, GLenum,
                                  GLenum, GLvoid *);
extern void glConvolutionFilter1D(GLenum, GLenum, GLsizei,
GLenum, GLenum,
                                  GLvoid *);
extern void glGetMinmaxParameteriv(GLenum, GLenum, GLint *);
extern void glGetMinmaxParameterfv(GLenum, GLenum, GLfloat *);
extern void glGetMinmax(GLenum, GLboolean, GLenum, GLenum, GLvoid
*);
extern void glResetMinmax(GLenum);
extern void glMinmax(GLenum, GLenum, GLboolean);
extern void glGetHistogramParameteriv(GLenum, GLenum, GLint *);
extern void glGetHistogramParameterfv(GLenum, GLenum, GLfloat *);
extern void glGetHistogram(GLenum, GLboolean, GLenum, GLenum,
GLvoid *);
extern void glResetHistogram(GLenum);
extern void glHistogram(GLenum, GLsizei, GLenum, GLboolean);
extern void glBlendColor(GLclampf, GLclampf, GLclampf, GLclampf);
extern void glBlendEquation(GLenum);
extern void glGetColorTableParameteriv(GLenum, GLenum, GLint *);
extern void glGetColorTableParameterfv(GLenum, GLenum, GLfloat
*);
extern void glGetColorTable(GLenum, GLenum, GLenum, GLvoid *);
extern void glCopyColorTable(GLenum, GLenum, GLint, GLint,
GLsizei);
extern void glCopyColorSubTable(GLenum, GLsizei, GLint, GLint,
GLsizei);
extern void glColorTableParameterfv(GLenum, GLenum, GLfloat *);
extern void glColorTableParameteriv(GLenum, GLenum, GLint *);
extern void glColorSubTable(GLenum, GLsizei, GLsizei, GLenum,
GLenum,
                            GLvoid *);
extern void glColorTable(GLenum, GLenum, GLsizei, GLenum, GLenum,
                         GLvoid *);
extern void glCopyTexSubImage3D(GLenum, GLint, GLint, GLint,
GLint, GLint,
                                GLint, GLsizei, GLsizei);
```

```
extern void glTexSubImage3D(GLenum, GLint, GLint, GLint, GLint,
GLsizei,
                            GLsizei,  GLsizei,  GLenum,  GLenum,
GLvoid *);
extern void glTexImage3D(GLenum, GLint, GLint, GLsizei, GLsizei,
GLsizei,
                         GLint, GLenum, GLenum, GLvoid *);
extern void glDrawRangeElements(GLenum, GLuint, GLuint, GLsizei,
GLenum,
                                GLvoid *);
```

7.2.2 GL/glx.h

```
typedef struct __GLXcontextRec *GLXContext;
typedef struct __GLXFBConfigRec *GLXFBConfig;
typedef XID GLXContextID;
typedef XID GLXPixmap;
typedef XID GLXDrawable;
typedef XID GLXPbuffer;
typedef XID GLXWindow;
extern XVisualInfo *glXChooseVisual(Display *, int, int *);
extern void glXCopyContext(Display *, GLXContext, GLXContext,
                           unsigned long int);
extern  GLXContext  glXCreateContext(Display  *,  XVisualInfo  *,
GLXContext,
                                     int);
extern  GLXPixmap  glXCreateGLXPixmap(Display  *,  XVisualInfo  *,
Pixmap);
extern void glXDestroyContext(Display *, GLXContext);
extern void glXDestroyGLXPixmap(Display *, GLXPixmap);
extern void glXFreeContextEXT(Display *, GLXContext);
extern char *glXGetClientString(Display *, int);
extern int glXGetConfig(Display *, XVisualInfo *, int, int *);
extern GLXContextID glXGetContextIDEXT(GLXContext);
extern GLXContext glXGetCurrentContext(void);
extern Display *glXGetCurrentDisplay(void);
extern GLXDrawable glXGetCurrentDrawable(void);
extern GLXContext glXImportContextEXT(Display *, GLXContextID);
extern int glXIsDirect(Display *, GLXContext);
extern int glXMakeCurrent(Display *, GLXDrawable, GLXContext);
extern int glXQueryContextInfoEXT(Display *, GLXContext, int, int
*);
extern int glXQueryExtension(Display *, int *, int *);
extern char *glXQueryExtensionsString(Display *, int);
extern char *glXQueryServerString(Display *, int, int);
extern int glXQueryVersion(Display *, int *, int *);
extern void glXSwapBuffers(Display *, GLXDrawable);
extern void glXUseXFont(Font, int, int, int);
extern void glXWaitGL(void);
extern void glXWaitX(void);
extern     void     (*GLXWindow)     (GLubyte     *     procName)
glXGetProcAddressARB(void);
extern void glXGetSelectedEvent(Display *, GLXDrawable,
                                unsigned long int *);
extern void glXSelectEvent(Display *, GLXDrawable, unsigned long
int);
extern int glXQueryContext(Display *, GLXContext, int, int *);
extern GLXDrawable glXGetCurrentReadDrawable(void);
extern   int   glXMakeContextCurrent(Display   *,   GLXDrawable,
GLXDrawable,
                                     GLXContext);
extern  GLXContext  glXCreateNewContext(Display  *,  GLXFBConfig,
int,
                                        GLXContext, int);
```

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```
extern void glXQueryDrawable(Display *, GLXDrawable, int,
unsigned int *);
extern void glXDestroyPbuffer(Display *, GLXPbuffer);
extern GLXPbuffer glXCreatePbuffer(Display *, GLXFBConfig, int
*);
extern void glXDestroyPixmap(Display *, GLXPixmap);
extern GLXPixmap glXCreatePixmap(Display *, GLXFBConfig, Pixmap,
int *);
extern void glXDestroyWindow(Display *, GLXWindow);
extern GLXWindow glXCreateWindow(Display *, GLXFBConfig, Window,
int *);
extern XVisualInfo *glXGetVisualFromFBConfig(Display *,
GLXFBConfig);
extern int glXGetFBConfigAttrib(Display *, GLXFBConfig, int, int
*);
extern GLXFBConfig *glXChooseFBConfig(Display *, int, int *, int
*);
```

IV PNG12 library

8 Libraries

8.1 Interfaces for libpng12

Table 8-1 defines the library name and shared object name for the libpng12 library

Table 8-1 libpng12 Definition

Library:	libpng12
SONAME:	libpng12.so.0

The behavior of the interfaces in this library is specified by the following specifications:

[LSB] This Specification

8.1.1 PNG Reference library

8.1.1.1 Interfaces for PNG Reference library

An LSB conforming implementation shall provide the generic functions for PNG Reference library specified in Table 8-2, with the full mandatory functionality as described in the referenced underlying specification.

Table 8-2 libpng12 - PNG Reference library Function Interfaces

png_access_version_number [LSB]	png_create_info_struct [LSB]	png_create_read_struct [LSB]
png_create_write_struct [LSB]	png_destroy_read_struct [LSB]	png_destroy_write_struct [LSB]
png_error [LSB]	png_free [LSB]	png_get_IHDR [LSB]
png_get_PLTE [LSB]	png_get_bKGD [LSB]	png_get_bit_depth [LSB]
png_get_cHRM [LSB]	png_get_channels [LSB]	png_get_color_type [LSB]
png_get_error_ptr [LSB]	png_get_gAMA [LSB]	png_get_hIST [LSB]
png_get_iCCP [LSB]	png_get_image_height [LSB]	png_get_image_width [LSB]
png_get_interlace_type [LSB]	png_get_io_ptr [LSB]	png_get_libpng_ver [LSB]
png_get_oFFs [LSB]	png_get_pHYs [LSB]	png_get_progressive_ptr [LSB]
png_get_rowbytes [LSB]	png_get_rows [LSB]	png_get_sBIT [LSB]
png_get_sRGB [LSB]	png_get_tIME [LSB]	png_get_tRNS [LSB]
png_get_text [LSB]	png_get_valid [LSB]	png_get_x_offset_pixels [LSB]

png_get_x_pixels_per_meter [LSB]	png_get_y_offset_pixels [LSB]	png_get_y_pixels_per_meter [LSB]
png_init_io [LSB]	png_malloc [LSB]	png_process_data [LSB]
png_progressive_combine_row [LSB]	png_read_end [LSB]	png_read_image [LSB]
png_read_info [LSB]	png_read_png [LSB]	png_read_row [LSB]
png_read_rows [LSB]	png_read_update_info [LSB]	png_set_IHDR [LSB]
png_set_PLTE [LSB]	png_set_bKGD [LSB]	png_set_background [LSB]
png_set_bgr [LSB]	png_set_cHRM [LSB]	png_set_compression_level [LSB]
png_set_dither [LSB]	png_set_error_fn [LSB]	png_set_expand [LSB]
png_set_filler [LSB]	png_set_filter [LSB]	png_set_gAMA [LSB]
png_set_gamma [LSB]	png_set_gray_to_rgb [LSB]	png_set_hIST [LSB]
png_set_iCCP [LSB]	png_set_interlace_handling [LSB]	png_set_invert_mono [LSB]
png_set_oFFs [LSB]	png_set_pHYs [LSB]	png_set_packing [LSB]
png_set_packswap [LSB]	png_set_progressive_read_fn [LSB]	png_set_read_fn [LSB]
png_set_rgb_to_gray [LSB]	png_set_rows [LSB]	png_set_sBIT [LSB]
png_set_sRGB [LSB]	png_set_shift [LSB]	png_set_sig_bytes [LSB]
png_set_strip_16 [LSB]	png_set_strip_alpha [LSB]	png_set_swap [LSB]
png_set_swap_alpha [LSB]	png_set_tIME [LSB]	png_set_tRNS [LSB]
png_set_text [LSB]	png_set_write_fn [LSB]	png_sig_cmp [LSB]
png_warning [LSB]	png_write_chunk [LSB]	png_write_end [LSB]
png_write_flush [LSB]	png_write_image [LSB]	png_write_info [LSB]
png_write_png [LSB]	png_write_row [LSB]	png_write_rows [LSB]

An LSB conforming implementation shall provide the generic data interfaces for PNG Reference library specified in Table 8-3, with the full mandatory functionality as described in the referenced underlying specification.

Table 8-3 libpng12 - PNG Reference library Data Interfaces

png_libpng_ver [LSB]		

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8.2 Data Definitions for libpng12

This section defines global identifiers and their values that are associated with interfaces contained in libpng12. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and application developers should use this ABI to supplement - not to replace - source interface definition specifications.

This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

8.2.1 png.h

```
#define FARDATA
#define PNGAPI
#define PNG_1_2_X
#define PNG_ASSEMBLER_CODE_SUPPORTED
#define PNG_EASY_ACCESS_SUPPORTED
#define PNG_ERROR_NUMBERS_SUPPORTED
#define PNG_FIXED_POINT_SUPPORTED
#define PNG_FLOATING_POINT_SUPPORTED
#define PNG_FREE_ME_SUPPORTED
#define PNG_HANDLE_AS_UNKNOWN_SUPPORTED
#define PNG_IMPEXP
#define PNG_INFO_IMAGE_SUPPORTED
#define PNG_MMX_CODE_SUPPORTED
#define PNG_MNG_FEATURES_SUPPORTED
#define PNG_NO_READ_iTXt
#define PNG_NO_WRITE_iTXt
#define PNG_PROGRESSIVE_READ_SUPPORTED
#define PNG_READ_16_TO_8_SUPPORTED
#define PNG_READ_ANCILLARY_CHUNKS_SUPPORTED
#define PNG_READ_BACKGROUND_SUPPORTED
#define PNG_READ_BGR_SUPPORTED
#define PNG_READ_COMPOSITE_NODIV_SUPPORTED
#define PNG_READ_DITHER_SUPPORTED
#define PNG_READ_EMPTY_PLTE_SUPPORTED
#define PNG_READ_EXPAND_SUPPORTED
#define PNG_READ_FILLER_SUPPORTED
#define PNG_READ_GAMMA_SUPPORTED
#define PNG_READ_GRAY_TO_RGB_SUPPORTED
#define PNG_READ_INTERLACING_SUPPORTED
#define PNG_READ_INVERT_ALPHA_SUPPORTED
#define PNG_READ_INVERT_SUPPORTED
#define PNG_READ_OPT_PLTE_SUPPORTED
#define PNG_READ_PACKSWAP_SUPPORTED
#define PNG_READ_PACK_SUPPORTED
#define PNG_READ_RGB_TO_GRAY_SUPPORTED
#define PNG_READ_SHIFT_SUPPORTED
#define PNG_READ_STRIP_ALPHA_SUPPORTED
#define PNG_READ_SUPPORTED
#define PNG_READ_SWAP_ALPHA_SUPPORTED
#define PNG_READ_SWAP_SUPPORTED
```

```
#define PNG_READ_TEXT_SUPPORTED
#define PNG_READ_TRANSFORMS_SUPPORTED
#define PNG_READ_UNKNOWN_CHUNKS_SUPPORTED
#define PNG_READ_USER_CHUNKS_SUPPORTED
#define PNG_READ_USER_TRANSFORM_SUPPORTED
#define PNG_READ_bKGD_SUPPORTED
#define PNG_READ_cHRM_SUPPORTED
#define PNG_READ_gAMA_SUPPORTED
#define PNG_READ_hIST_SUPPORTED
#define PNG_READ_iCCP_SUPPORTED
#define PNG_READ_oFFs_SUPPORTED
#define PNG_READ_pCAL_SUPPORTED
#define PNG_READ_pHYs_SUPPORTED
#define PNG_READ_sBIT_SUPPORTED
#define PNG_READ_sCAL_SUPPORTED
#define PNG_READ_sPLT_SUPPORTED
#define PNG_READ_sRGB_SUPPORTED
#define PNG_READ_tEXt_SUPPORTED
#define PNG_READ_tIME_SUPPORTED
#define PNG_READ_tRNS_SUPPORTED
#define PNG_READ_zTXt_SUPPORTED
#define PNG_SETJMP_SUPPORTED
#define PNG_SET_USER_LIMITS_SUPPORTED
#define PNG_TEXT_SUPPORTED
#define PNG_TIME_RFC1123_SUPPORTED
#define PNG_UNKNOWN_CHUNKS_SUPPORTED
#define PNG_USER_CHUNKS_SUPPORTED
#define PNG_USER_MEM_SUPPORTED
#define PNG_USER_TRANSFORM_PTR_SUPPORTED
#define PNG_USE_GLOBAL_ARRAYS
#define PNG_WRITE_ANCILLARY_CHUNKS_SUPPORTED
#define PNG_WRITE_BGR_SUPPORTED
#define PNG_WRITE_EMPTY_PLTE_SUPPORTED
#define PNG_WRITE_FILLER_SUPPORTED
#define PNG_WRITE_FLUSH_SUPPORTED
#define PNG_WRITE_INTERLACING_SUPPORTED
#define PNG_WRITE_INVERT_ALPHA_SUPPORTED
#define PNG_WRITE_INVERT_SUPPORTED
#define PNG_WRITE_PACKSWAP_SUPPORTED
#define PNG_WRITE_PACK_SUPPORTED
#define PNG_WRITE_SHIFT_SUPPORTED
#define PNG_WRITE_SUPPORTED
#define PNG_WRITE_SWAP_ALPHA_SUPPORTED
#define PNG_WRITE_SWAP_SUPPORTED
#define PNG_WRITE_TEXT_SUPPORTED
#define PNG_WRITE_TRANSFORMS_SUPPORTED
#define PNG_WRITE_UNKNOWN_CHUNKS_SUPPORTED
#define PNG_WRITE_USER_TRANSFORM_SUPPORTED
#define PNG_WRITE_WEIGHTED_FILTER_SUPPORTED
#define PNG_WRITE_bKGD_SUPPORTED
#define PNG_WRITE_cHRM_SUPPORTED
#define PNG_WRITE_gAMA_SUPPORTED
#define PNG_WRITE_hIST_SUPPORTED
#define PNG_WRITE_iCCP_SUPPORTED
#define PNG_WRITE_oFFs_SUPPORTED
#define PNG_WRITE_pCAL_SUPPORTED
#define PNG_WRITE_pHYs_SUPPORTED
#define PNG_WRITE_sBIT_SUPPORTED
#define PNG_WRITE_sCAL_SUPPORTED
#define PNG_WRITE_sPLT_SUPPORTED
#define PNG_WRITE_sRGB_SUPPORTED
#define PNG_WRITE_tEXt_SUPPORTED
#define PNG_WRITE_tIME_SUPPORTED
#define PNG_WRITE_tRNS_SUPPORTED
#define PNG_WRITE_zTXt_SUPPORTED
#define PNG_bKGD_SUPPORTED
```

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```
#define PNG_cHRM_SUPPORTED
#define PNG_gAMA_SUPPORTED
#define PNG_hIST_SUPPORTED
#define PNG_iCCP_SUPPORTED
#define PNG_oFFs_SUPPORTED
#define PNG_pCAL_SUPPORTED
#define PNG_pHYs_SUPPORTED
#define PNG_sBIT_SUPPORTED
#define PNG_sCAL_SUPPORTED
#define PNG_sPLT_SUPPORTED
#define PNG_sRGB_SUPPORTED
#define PNG_tEXt_SUPPORTED
#define PNG_tIME_SUPPORTED
#define PNG_tRNS_SUPPORTED
#define PNG_zTXt_SUPPORTED
#define PNG_HEADER_VERSION_STRING        " libpng version 1.2.8 -
December 3, 2004 (header)\n"
#define PNG_MMX_READ_FLAGS       \
        (            PNG_ASM_FLAG_MMX_READ_COMBINE_ROW           |
PNG_ASM_FLAG_MMX_READ_INTERLACE \
        |            PNG_ASM_FLAG_MMX_READ_FILTER_SUB            |
PNG_ASM_FLAG_MMX_READ_FILTER_UP | \
        PNG_ASM_FLAG_MMX_READ_FILTER_AVG                        |
PNG_ASM_FLAG_MMX_READ_FILTER_PAETH \
        )
#define PNG_MMX_FLAGS    \
        (            PNG_ASM_FLAG_MMX_SUPPORT_COMPILED           |
PNG_ASM_FLAG_MMX_SUPPORT_IN_CPU \
        | PNG_MMX_READ_FLAGS | PNG_MMX_WRITE_FLAGS )
#define PNG_COLOR_TYPE_RGB_ALPHA         \
        (PNG_COLOR_MASK_COLOR | PNG_COLOR_MASK_ALPHA)
#define PNG_COLOR_TYPE_PALETTE   \
        (PNG_COLOR_MASK_COLOR | PNG_COLOR_MASK_PALETTE)
#define PNG_ALL_FILTERS  \
        (PNG_FILTER_NONE   |   PNG_FILTER_SUB   |   PNG_FILTER_UP   |
PNG_FILTER_AVG | \
        PNG_FILTER_PAETH)
#define png_info_init(info_ptr)  \
        png_info_init_3(&info_ptr, png_sizeof(png_info));
#define png_composite(composite,fg,alpha,bg)     \
        { png_uint_16 temp = (png_uint_16)((png_uint_16)(fg) * \
        (png_uint_16)(alpha)                                    +
(png_uint_16)(bg)*(png_uint_16)(255 - \
        (png_uint_16)(alpha)) + (png_uint_16)128); (composite) =
\
        (png_byte)((temp + (temp >> 8)) >> 8); }
#define png_composite_16(composite,fg,alpha,bg)  \
        { png_uint_32 temp = (png_uint_32)((png_uint_32)(fg) * \
        (png_uint_32)(alpha)                                    +
(png_uint_32)(bg)*(png_uint_32)(65535L - \
        (png_uint_32)(alpha)) + (png_uint_32)32768L); (composite)
= \
        (png_uint_16)((temp + (temp >> 16)) >> 16); }
#define PNG_MMX_WRITE_FLAGS     ( 0 )
#define PNG_SIZE_MAX    ((png_size_t)(-1))
#define PNG_UINT_32_MAX ((png_uint_32)(-1))
#define PNG_UINT_31_MAX ((png_uint_32)0x7fffffffL)
#define int_p_NULL      (int *)NULL
#define png_bytep_NULL  (png_bytep)NULL
#define png_bytepp_NULL (png_bytepp)NULL
#define PNG_COLOR_TYPE_GRAY_ALPHA       (PNG_COLOR_MASK_ALPHA)
#define PNG_COLOR_TYPE_RGB      (PNG_COLOR_MASK_COLOR)
#define png_doublep_NULL        (png_doublep)NULL
#define png_error_ptr_NULL      (png_error_ptr)NULL
#define png_flush_ptr_NULL      (png_flush_ptr)NULL
#define png_infopp_NULL (png_infopp)NULL
```

```
#define png_rw_ptr_NULL (png_rw_ptr)NULL
#define png_structp_NULL        (png_structp)NULL
#define png_uint_16p_NULL       (png_uint_16p)NULL
#define png_voidp_NULL  (png_voidp)NULL
#define CVT_PTR(ptr)    (ptr)
#define CVT_PTR_NOCHECK(ptr)    (ptr)
#define PNG_TEXT_COMPRESSION_NONE       -1
#define PNG_TEXT_COMPRESSION_zTXt_WR    -2
#define PNG_TEXT_COMPRESSION_NONE_WR    -3
#define PNG_BACKGROUND_GAMMA_UNKNOWN    0
#define PNG_COLOR_TYPE_GRAY     0
#define PNG_COMPRESSION_TYPE_BASE       0
#define PNG_CRC_DEFAULT 0
#define PNG_EQUATION_LINEAR     0
#define PNG_FILLER_BEFORE       0
#define PNG_FILTER_HEURISTIC_DEFAULT    0
#define PNG_FILTER_TYPE_BASE    0
#define PNG_FILTER_VALUE_NONE   0
#define PNG_HANDLE_CHUNK_AS_DEFAULT     0
#define PNG_INTERLACE_NONE      0
#define PNG_LIBPNG_VER_BUILD    0
#define PNG_LIBPNG_VER_SONUM    0
#define PNG_OFFSET_PIXEL        0
#define PNG_RESOLUTION_UNKNOWN  0
#define PNG_SCALE_UNKNOWN       0
#define PNG_TEXT_COMPRESSION_zTXt       0
#define PNG_sRGB_INTENT_PERCEPTUAL      0
#define PNG_NO_FILTERS  0x00
#define PNG_TRANSFORM_IDENTITY  0x0000
#define PNG_INFO_gAMA   0x0001
#define PNG_TRANSFORM_STRIP_16  0x0001
#define PNG_INFO_sBIT   0x0002
#define PNG_TRANSFORM_STRIP_ALPHA       0x0002
#define PNG_INFO_cHRM   0x0004
#define PNG_TRANSFORM_PACKING   0x0004
#define PNG_FREE_HIST   0x0008
#define PNG_INFO_PLTE   0x0008
#define PNG_TRANSFORM_PACKSWAP  0x0008
#define PNG_FREE_ICCP   0x0010
#define PNG_INFO_tRNS   0x0010
#define PNG_TRANSFORM_EXPAND    0x0010
#define PNG_FREE_SPLT   0x0020
#define PNG_INFO_bKGD   0x0020
#define PNG_TRANSFORM_INVERT_MONO       0x0020
#define PNG_FREE_ROWS   0x0040
#define PNG_INFO_hIST   0x0040
#define PNG_TRANSFORM_SHIFT     0x0040
#define PNG_FREE_PCAL   0x0080
#define PNG_INFO_pHYs   0x0080
#define PNG_TRANSFORM_BGR       0x0080
#define PNG_ASM_FLAG_MMX_SUPPORT_COMPILED       0x01
#define PNG_FLAG_MNG_EMPTY_PLTE 0x01
#define PNG_FREE_SCAL   0x0100
#define PNG_INFO_oFFs   0x0100
#define PNG_TRANSFORM_SWAP_ALPHA        0x0100
#define PNG_ASM_FLAG_MMX_SUPPORT_IN_CPU 0x02
#define PNG_FREE_UNKN   0x0200
#define PNG_INFO_tIME   0x0200
#define PNG_TRANSFORM_SWAP_ENDIAN       0x0200
#define PNG_ASM_FLAG_MMX_READ_COMBINE_ROW       0x04
#define PNG_FLAG_MNG_FILTER_64  0x04
#define PNG_FREE_LIST   0x0400
#define PNG_INFO_pCAL   0x0400
#define PNG_TRANSFORM_INVERT_ALPHA      0x0400
#define PNG_ALL_MNG_FEATURES    0x05
#define PNG_ASM_FLAG_MMX_READ_INTERLACE 0x08
```

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```
#define PNG_FILTER_NONE 0x08
#define PNG_INFO_sRGB   0x0800
#define PNG_TRANSFORM_STRIP_FILLER      0x0800
#define PNG_ASM_FLAG_MMX_READ_FILTER_SUB        0x10
#define PNG_FILTER_SUB  0x10
#define PNG_FREE_PLTE   0x1000
#define PNG_INFO_iCCP   0x1000
#define PNG_ASM_FLAG_MMX_READ_FILTER_UP 0x20
#define PNG_FILTER_UP   0x20
#define PNG_FREE_TRNS   0x2000
#define PNG_INFO_sPLT   0x2000
#define PNG_ASM_FLAG_MMX_READ_FILTER_AVG        0x40
#define PNG_FILTER_AVG  0x40
#define PNG_FREE_TEXT   0x4000
#define PNG_INFO_sCAL   0x4000
#define PNG_FREE_MUL    0x4220
#define PNG_FREE_ALL    0x7fff
#define PNG_ASM_FLAG_MMX_READ_FILTER_PAETH      0x80
#define PNG_FILTER_PAETH        0x80
#define PNG_ASM_FLAGS_INITIALIZED       0x80000000
#define PNG_INFO_IDAT   0x8000L
#define PNG_BACKGROUND_GAMMA_SCREEN     1
#define PNG_COLOR_MASK_PALETTE  1
#define PNG_CRC_ERROR_QUIT      1
#define PNG_DESTROY_WILL_FREE_DATA      1
#define PNG_EQUATION_BASE_E     1
#define PNG_FILLER_AFTER        1
#define PNG_FILTER_HEURISTIC_UNWEIGHTED 1
#define PNG_FILTER_VALUE_SUB    1
#define PNG_HANDLE_CHUNK_NEVER  1
#define PNG_INTERLACE_ADAM7     1
#define PNG_ITXT_COMPRESSION_NONE       1
#define PNG_LIBPNG_BUILD_ALPHA  1
#define PNG_LIBPNG_VER_MAJOR    1
#define PNG_OFFSET_MICROMETER   1
#define PNG_RESOLUTION_METER    1
#define PNG_SCALE_METER 1
#define PNG_SELECT_READ 1
#define PNG_SET_WILL_FREE_DATA  1
#define PNG_sRGB_INTENT_RELATIVE        1
#define PNG_LIBPNG_VER_STRING   "1.2.8"
#define PNG_USER_HEIGHT_MAX     1000000L
#define PNG_USER_WIDTH_MAX      1000000L
#define PNG_LIBPNG_VER  10208
#define PNG_LIBPNG_VER_DLLNUM   13
#define PNG_LIBPNG_BUILD_PRIVATE        16
#define PNG_BACKGROUND_GAMMA_FILE       2
#define PNG_COLOR_MASK_COLOR    2
#define PNG_CRC_WARN_DISCARD    2
#define PNG_EQUATION_ARBITRARY  2
#define PNG_FILTER_HEURISTIC_WEIGHTED   2
#define PNG_FILTER_VALUE_UP     2
#define PNG_HANDLE_CHUNK_IF_SAFE        2
#define PNG_INTERLACE_LAST      2
#define PNG_ITXT_COMPRESSION_zTXt       2
#define PNG_LIBPNG_BUILD_BETA   2
#define PNG_LIBPNG_VER_MINOR    2
#define PNG_OFFSET_LAST 2
#define PNG_RESOLUTION_LAST     2
#define PNG_SCALE_RADIAN        2
#define PNG_SELECT_WRITE        2
#define PNG_USER_WILL_FREE_DATA 2
#define PNG_sRGB_INTENT_SATURATION      2
#define PNG_MAX_PALETTE_LENGTH  256
#define PNG_BACKGROUND_GAMMA_UNIQUE     3
#define PNG_CRC_WARN_USE        3
```

```
#define PNG_EQUATION_HYPERBOLIC 3
#define PNG_FILTER_HEURISTIC_LAST       3
#define PNG_FILTER_VALUE_AVG    3
#define PNG_HANDLE_CHUNK_ALWAYS 3
#define PNG_LIBPNG_BUILD_RC     3
#define PNG_SCALE_LAST  3
#define PNG_TEXT_COMPRESSION_LAST       3
#define PNG_sRGB_INTENT_ABSOLUTE        3
#define PNG_LIBPNG_BUILD_SPECIAL        32
#define PNG_COLOR_MASK_ALPHA    4
#define PNG_CRC_QUIET_USE       4
#define PNG_EQUATION_LAST       4
#define PNG_FILTER_VALUE_PAETH  4
#define PNG_LIBPNG_BUILD_STABLE 4
#define PNG_sRGB_INTENT_LAST    4
#define PNG_CRC_NO_CHANGE       5
#define PNG_FILTER_VALUE_LAST   5
#define PNG_INTRAPIXEL_DIFFERENCING     64
#define PNG_LIBPNG_BUILD_RELEASE_STATUS_MASK    7
#define PNG_KEYWORD_MAX_LENGTH  79
#define PNG_LIBPNG_BUILD_PATCH  8
#define PNG_LIBPNG_VER_RELEASE  8
#define PNG_ZBUF_SIZE   8192
#define PNG_ABORT()     abort()
#define PNG_CONST       const
#define PNG_EXPORT_VAR(type)    extern PNG_IMPEXP type
#define png_memcmp      memcmp
#define png_memcpy      memcpy
#define png_memset      memset
#define PNGARG(arglist) OF(arglist)
#define PNG_COLOR_TYPE_GA       PNG_COLOR_TYPE_GRAY_ALPHA
#define PNG_COLOR_TYPE_RGBA     PNG_COLOR_TYPE_RGB_ALPHA
#define PNG_COMPRESSION_TYPE_DEFAULT    PNG_COMPRESSION_TYPE_BASE
#define PNG_FILTER_TYPE_DEFAULT PNG_FILTER_TYPE_BASE
#define PNG_EXPORT(type,symbol) PNG_IMPEXP type PNGAPI symbol
#define PNG_LIBPNG_BUILD_TYPE   PNG_LIBPNG_BUILD_BASE_TYPE
#define PNG_LIBPNG_BUILD_BASE_TYPE      PNG_LIBPNG_BUILD_STABLE
#define PNG_MAX_UINT    PNG_UINT_31_MAX
#define png_sizeof(x)   sizeof (x)
#define png_strcpy      strcpy
#define png_strlen      strlen
#define png_strncpy     strncpy

typedef struct png_struct_def
 png_struct;
typedef png_struct *png_structp;
typedef struct png_info_struct
 png_info;
typedef png_info *png_infop;
typedef void *png_voidp;
typedef     void     (*png_progressive_info_ptr)     (png_structp,
png_infop);
typedef unsigned char png_byte;
typedef png_byte *png_bytep;
typedef unsigned long int png_uint_32;
typedef void (*png_progressive_row_ptr) (png_structp, png_bytep,
                                          png_uint_32, int);
typedef void (*png_progressive_end_ptr) (png_structp, png_infop);
typedef struct png_color_8_struct {
    png_byte red;
    png_byte green;
    png_byte blue;
    png_byte gray;
    png_byte alpha;
} png_color_8;
typedef png_color_8 *png_color_8p;
```

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```
typedef long int png_int_32;
typedef char *png_charp;
typedef size_t png_size_t;
typedef struct png_text_struct {
    int compression;
    png_charp key;
    png_charp text;
    png_size_t text_length;
} png_text;
typedef png_text *png_textp;
typedef png_byte **png_bytepp;
typedef unsigned short png_uint_16;
typedef struct png_color_16_struct {
    png_byte index;
    png_uint_16 red;
    png_uint_16 green;
    png_uint_16 blue;
    png_uint_16 gray;
} png_color_16;
typedef png_color_16 *png_color_16p;
typedef struct png_color_struct {
    png_byte red;
    png_byte green;
    png_byte blue;
} png_color;
typedef png_color *png_colorp;
typedef const char *png_const_charp;
typedef void (*png_error_ptr) (png_structp, png_const_charp);
typedef void (*png_rw_ptr) (png_structp, png_bytep, png_size_t);
typedef struct png_time_struct {
    png_uint_16 year;
    png_byte month;
    png_byte day;
    png_byte hour;
    png_byte minute;
    png_byte second;
} png_time;
typedef png_time *png_timep;
typedef png_uint_16 *png_uint_16p;
typedef void (*png_flush_ptr) (png_structp);
typedef char **png_charpp;
typedef png_struct **png_structpp;
typedef png_info **png_infopp;
typedef FILE *png_FILE_p;
typedef struct png_row_info_struct {
    png_uint_32 width;
    png_uint_32 rowbytes;
    png_byte color_type;
    png_byte bit_depth;
    png_byte channels;
    png_byte pixel_depth;
} png_row_info;
typedef png_row_info *png_row_infop;
typedef png_structp version_1_2_8;
typedef png_uint_32 *png_uint_32p;
typedef png_uint_16 **png_uint_16pp;
typedef png_int_32 png_fixed_point;
typedef double *png_doublep;
typedef charf *png_zcharp;
typedef png_fixed_point *png_fixed_point_p;
typedef png_int_32 *png_int_32p;
typedef z_stream *png_zstreamp;
typedef short png_int_16;
typedef png_int_16 *png_int_16p;
typedef png_int_16 **png_int_16pp;
typedef png_int_32 **png_int_32pp;
```

```
typedef png_uint_32 **png_uint_32pp;
typedef charf **png_zcharpp;
typedef char ***png_charppp;
typedef const char **png_const_charpp;
typedef double **png_doublepp;
typedef png_colorp *png_colorpp;
typedef png_color_16p *png_color_16pp;
typedef png_color_8p *png_color_8pp;
typedef png_fixed_point **png_fixed_point_pp;
typedef png_row_info **png_row_infopp;
typedef png_textp *png_textpp;
typedef png_timep *png_timepp;
extern void png_set_gAMA(png_structp, png_infop, double);
extern void png_set_progressive_read_fn(png_structp, png_voidp,
                                        png_progressive_info_ptr,
                                        png_progressive_row_ptr,
                                        png_progressive_end_ptr);
extern void png_set_shift(png_structp, png_color_8p);
extern png_byte png_get_interlace_type(png_structp, png_infop);
extern void png_read_info(png_structp, png_infop);
extern png_uint_32 png_get_image_height(png_structp, png_infop);
extern       png_int_32       png_get_y_offset_pixels(png_structp,
png_infop);
extern png_charp png_get_libpng_ver(png_structp);
extern void png_set_packswap(png_structp);
extern     png_uint_32     png_get_sBIT(png_structp,     png_infop,
png_color_8p *);
extern void png_process_data(png_structp, png_infop, png_bytep,
                             png_size_t);
extern png_uint_32 png_get_text(png_structp, png_infop, png_textp
*,
                                int *);
extern void png_write_rows(png_structp, png_bytepp, png_uint_32);
extern const char png_libpng_ver[];
extern png_uint_32 png_access_version_number(void);
extern png_voidp png_get_progressive_ptr(png_structp);
extern png_uint_32 png_get_rowbytes(png_structp, png_infop);
extern void png_write_flush(png_structp);
extern void png_set_tRNS(png_structp, png_infop, png_bytep, int,
                         png_color_16p);
extern     png_uint_32     png_get_x_pixels_per_meter(png_structp,
png_infop);
extern       png_int_32       png_get_x_offset_pixels(png_structp,
png_infop);
extern png_uint_32 png_get_sRGB(png_structp, png_infop, int *);
extern png_byte png_get_color_type(png_structp, png_infop);
extern     png_uint_32     png_get_IHDR(png_structp,     png_infop,
png_uint_32 *,
                                png_uint_32 *, int *, int *, int
*, int *,
                                int *);
extern     png_uint_32     png_get_PLTE(png_structp,     png_infop,
png_colorp *,
                                int *);
extern void png_set_filter(png_structp, int, int);
extern     png_uint_32     png_get_pHYs(png_structp,     png_infop,
png_uint_32 *,
                                png_uint_32 *, int *);
extern png_uint_32 png_get_image_width(png_structp, png_infop);
extern void png_set_strip_16(png_structp);
extern void png_set_bKGD(png_structp, png_infop, png_color_16p);
extern     png_uint_32     png_get_y_pixels_per_meter(png_structp,
png_infop);
extern void png_write_png(png_structp, png_infop, int, voidp);
extern     void     png_set_error_fn(png_structp,     png_voidp,
png_error_ptr,
```

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```
                              png_error_ptr);
extern void png_set_sBIT(png_structp, png_infop, png_color_8p);
extern void png_error(png_structp, png_const_charp);
extern void png_set_read_fn(png_structp, png_voidp, png_rw_ptr);
extern int png_sig_cmp(png_bytep, png_size_t, png_size_t);
extern png_uint_32 png_get_tIME(png_structp, png_infop, png_timep
*);
extern  void  png_set_pHYs(png_structp,  png_infop,  png_uint_32,
png_uint_32,
                          int);
extern png_byte png_get_bit_depth(png_structp, png_infop);
extern void png_free(png_structp, png_voidp);
extern   void   png_set_rgb_to_gray(png_structp,   int,   double,
double);
extern void png_set_hIST(png_structp, png_infop, png_uint_16p);
extern png_uint_32 png_get_cHRM(png_structp, png_infop, double *,
double *,
                                double  *,  double  *,  double  *,
double *,
                                double *, double *);
extern void png_set_filler(png_structp, png_uint_32, int);
extern void png_set_text(png_structp, png_infop, png_textp, int);
extern void png_set_cHRM(png_structp, png_infop, double, double,
double,
                          double, double, double, double, double);
extern void png_set_gray_to_rgb(png_structp);
extern     png_uint_32     png_get_bKGD(png_structp,     png_infop,
png_color_16p *);
extern void png_read_end(png_structp, png_infop);
extern png_byte png_get_channels(png_structp, png_infop);
extern void png_warning(png_structp, png_const_charp);
extern void png_set_write_fn(png_structp, png_voidp, png_rw_ptr,
                              png_flush_ptr);
extern void png_set_tIME(png_structp, png_infop, png_timep);
extern     png_structp     png_create_read_struct(png_const_charp,
png_voidp,
                                          png_error_ptr,
png_error_ptr);
extern void png_read_update_info(png_structp, png_infop);
extern png_infop png_create_info_struct(png_structp);
extern     png_uint_32     png_get_hIST(png_structp,     png_infop,
png_uint_16p *);
extern void png_set_sRGB(png_structp, png_infop, int);
extern     png_uint_32     png_get_iCCP(png_structp,     png_infop,
png_charpp, int *,
                                png_charpp, png_uint_32 *);
extern  png_uint_32  png_get_gAMA(png_structp,  png_infop,  double
*);
extern    png_uint_32    png_get_valid(png_structp,    png_infop,
png_uint_32);
extern void png_set_compression_level(png_structp, int);
extern void png_set_packing(png_structp);
extern void png_write_image(png_structp, png_bytepp);
extern void png_write_end(png_structp, png_infop);
extern int png_set_interlace_handling(png_structp);
extern png_bytepp png_get_rows(png_structp, png_infop);
extern  void  png_progressive_combine_row(png_structp,  png_bytep,
png_bytep);
extern void png_set_bgr(png_structp);
extern  void  png_set_dither(png_structp,  png_colorp,  int,  int,
png_uint_16p,
                            int);
extern void png_set_rows(png_structp, png_infop, png_bytepp);
extern png_voidp png_malloc(png_structp, png_uint_32);
extern void png_write_row(png_structp, png_bytep);
extern void png_set_sig_bytes(png_structp, int);
```

```
extern png_uint_32 png_get_tRNS(png_structp, png_infop, png_bytep
*, int *,
                                  png_color_16p *);
extern  void  png_write_chunk(png_structp,  png_bytep,  png_bytep,
png_size_t);
extern void png_write_info(png_structp, png_infop);
extern  void  png_set_IHDR(png_structp,  png_infop,  png_uint_32,
png_uint_32,
                          int, int, int, int, int);
extern void png_set_invert_mono(png_structp);
extern    png_structp    png_create_write_struct(png_const_charp,
png_voidp,
                                              png_error_ptr,
png_error_ptr);
extern void png_read_png(png_structp, png_infop, int, voidp);
extern void png_read_rows(png_structp, png_bytepp, png_bytepp,
                           png_uint_32);
extern void png_read_row(png_structp, png_bytep, png_bytep);
extern void png_destroy_write_struct(png_structpp, png_infopp);
extern void png_set_swap_alpha(png_structp);
extern  void  png_destroy_read_struct(png_structpp,  png_infopp,
png_infopp);
extern png_voidp png_get_io_ptr(png_structp);
extern    png_uint_32    png_get_oFFs(png_structp,    png_infop,
png_int_32 *,
                                  png_int_32 *, int *);
extern void png_set_strip_alpha(png_structp);
extern  void  png_set_background(png_structp,  png_color_16p,  int,
int,
                                 double);
extern  void  png_set_iCCP(png_structp,  png_infop,  png_charp,  int,
png_charp,
                          png_uint_32);
extern void png_init_io(png_structp, png_FILE_p);
extern  void  png_set_PLTE(png_structp,  png_infop,  png_colorp,
int);
extern png_voidp png_get_error_ptr(png_structp);
extern void png_set_gamma(png_structp, double, double);
extern void png_set_swap(png_structp);
extern void png_read_image(png_structp, png_bytepp);
extern void png_set_expand(png_structp);
extern  void  png_set_oFFs(png_structp,  png_infop,  png_int_32,
png_int_32,
                          int);
```

8.3 Interface Definitions for libpng12

The interfaces defined on the following pages are included in libpng12 and are defined by this specification. Unless otherwise noted, these interfaces shall be included in the source standard.

Other interfaces listed in Section 8.1 shall behave as described in the referenced base document.

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png_access_version_number

Name

`png_access_version_number` — return version of the run-time library

Synopsis

```
#include <png.h>
png_uint_32 png_access_version_number(void);
```

Description

png_access_version_number() returns version of the libpng12 library available at run-time.

Return Value

png_access_version_number() returns integer constructed from the major version, minor version with leading zero and leading number with leading zero. For example, the version number for version 1.2.8 is 10208.

png_create_info_struct

Name

`png_create_info_struct` — allocate and initialize a png_info structure

Synopsis

```
#include <png.h>
png_infop png_create_info_struct(png_structp png_ptr);
```

Description

png_create_info_struct() shall allocate and initialize a png_info structure.

Return Value

Returns the pointer to png_info structure. Returns NULL if it fails to create the structure.

Errors

png_create_info_struct() shall return NULL if the allocation fails. The application should check for the return value.

png_create_read_struct

Name

`png_create_read_struct` — allocate and initialize a png_struct structure for reading PNG file

Synopsis

```
#include <png.h>
png_structp    png_create_read_struct(png_const_charp    user_png_ver,
png_voidp error_ptr, png_error_ptr error_fn, png_error_ptr warn_fn);
```

Description

png_create_read_struct() shall allocate and initialize a png_struct structure. The function shall return NULL if the allocation fails. The application should check for the return value. For handling errors and warnings, the application can pass desired error handling routines as arguments to png_create_read_struct(). Otherwise, the default error handling uses stderr and longjmp. The error handling routine must NOT return to the calling routine.

user_png_ver

version string of the library. Must be PNG_LIBPNG_VER_STRING

error_ptr

user defined struct for error functions.

error_fn

user defined function for printing errors and aborting.

warn_fn

user defined function for warnings.

Return Value

Returns the pointer to png_struct structure. Returns NULL if it fails to create the structure.

Errors

png_create_read_struct() shall return NULL if the allocation fails. The application should check for the return value.

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png_create_write_struct

Name

`png_create_write_struct` — allocate and initialize a png_struct structure for writing PNG file

Synopsis

```
#include <png.h>
png_structp   png_create_write_struct(png_const_charp   user_png_ver,
png_voidp error_ptr, png_error_ptr error_fn, png_error_ptr warn_fn);
```

Description

png_create_write_struct() shall allocate and initialize a png_struct structure. The function shall return NULL if the allocation fails. The application should check for the return value.

user_png_ver

version string of the library. Must be PNG_LIBPNG_VER_STRING

error_ptr

user defined struct for error functions.

error_fn

user defined function for printing errors and aborting.

warn_fn

user defined function for warnings.

Return Value

Returns the pointer to png_struct structure. Returns NULL if it fails to create the structure.

png_destroy_read_struct

Name

`png_destroy_read_struct` — free the memory associated with read png_struct

Synopsis

```
#include <png.h>
void  png_destroy_read_struct(png_structpp  png_ptr_ptr,  png_infopp
info_ptr_ptr, png_infopp end_info_ptr_ptr);
```

Description

png_destroy_read_struct() frees the memory associated with the read png_struct struct that holds information from the given PNG file, the associated png_info struct for holding the image information and png_info struct for holding the information at end of the given PNG file.

png_destroy_write_struct

Name

`png_destroy_write_struct` — free the memory associated with write png_struct

Synopsis

```
#include <png.h>
void  png_destroy_write_struct(png_structpp  png_ptr_ptr,  png_infopp
info_ptr_ptr);
```

Description

png_destroy_write_struct() frees the memory associated with the write png_struct struct that holds information for writing the PNG file and the associated png_info struct for holding the image information.

png_error

Name

`png_error` — default function to handle fatal errors

Synopsis

```
#include <png.h>
void png_error(png_structp png_ptr, png_const_charp error_message);
```

Description

png_error() is the default error handling function for fatal errors. The default error handling functionality may be changed by using png_set_error_fn() to replace the error function at run-time.

Return Value

Errors

png_free

Name

`png_free` — free a pointer allocated by png_malloc()

Synopsis

```
#include <png.h>
void png_free(png_structp png_ptr, png_voidp ptr);
```

Description

png_free() shall free memory pointed to by "ptr" previously allocated by png_malloc().

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png_get_IHDR

Name

`png_get_IHDR` — get PNG_IHDR chunk information from png_info structure

Synopsis

```
#include <png.h>
png_uint_32 png_get_IHDR(png_structp png_ptr, png_infop info_ptr,
png_uint_32 * width, png_uint_32 * height, int * bit_depth, int *
color_type, int * interlace_method, int * compression_method, int *
filter_method);
```

Description

png_get_IHDR() gets PNG_IHDR chunk type information from png_info structure.

width

holds the width of the image in pixels up to 2^31.

height

holds the height of the image in pixels up to 2^31.

bit_depth

holds the bit depth of one of the image channels. Valid values are 1, 2, 4, 8, 16 and also depend on the color_type.

color_type

describes which color/alpha channels are present. Supported color types shall include:

G_COLOR_TYPE_GRAY (bit depths 1, 2, 4, 8, 16)
G_COLOR_TYPE_GRAY_ALPHA (bit depths 8, 16)
G_COLOR_TYPE_PALETTE (bit depths 1, 2, 4, 8)
G_COLOR_TYPE_RGB (bit_depths 8, 16)
G_COLOR_TYPE_RGB_ALPHA (bit_depths 8, 16)
G_COLOR_MASK_PALETTE
G_COLOR_MASK_COLOR
G_COLOR_MASK_ALPHA

filter_method

holds the filter method. If this argument is NULL, the filter method will not be retrieved. Valid values after retrieval are

G_FILTER_TYPE_BASE
G_INTRAPIXEL_DIFFERENCING

compression_method

holds the compression method. If this argument is NULL, the compression method will not be retrieved. Valid values after retrieval are PNG_COMPRESSION_TYPE_BASE

interlace_method

holds the interlace method. If this argument is NULL, the interlacing method will not be retrieved. Valid values after retrieval are

G_INTERLACE_NONE
G_INTERLACE_ADAM7

Return Value

On success, `png_get_HDR()` shall return 1. Otherwise, `png_get_IHDR()` shall return 0.

png_get_PLTE

Name

`png_get_PLTE` — get image palette information from png_info structure

Synopsis

```
#include <png.h>
png_uint_32 png_get_PLTE(png_structp png_ptr, png_infop info_ptr,
png_colorp * palette, int * num_palette);
```

Description

png_get_PLTE() gets palette information from png_info structure. "palette" holds an array of color values with "num_palette" entries.

Return Value

On successful retrieval of palette information, png_get_PLTE() shall return PNG_INFO_PLTE. Otherwise, png_get_PLTE() shall return 0.

png_get_bKGD

Name

`png_get_bKGD` — get background color for given image

Synopsis

```
#include <png.h>
png_uint_32 png_get_bKGD(png_structp png_ptr, png_infop info_ptr,
png_color_16p * background);
```

Description

png_get_bKGD() shall return the background color to "background" if the validity flag for background is set.

Return Value

On success, png_get_bKGD() shall return PNG_INFO_bKGD. Otherwise, png_get_bKGD() shall return 0.

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png_get_bit_depth

Name

png_get_bit_depth — return image bit_depth

Synopsis

```
#include <png.h>
png_byte png_get_bit_depth(png_structp png_ptr, png_infop info_ptr);
```

Description

Returns the image bit_depth.

Return Value

Returns 0 if png_ptr or info_ptr is NULL, bit_depth otherwise.

png_get_cHRM

Name

png_get_cHRM — get CIE chromacities and referenced white point for given image

Synopsis

```
#include <png.h>
png_uint_32 png_get_cHRM(png_structp png_ptr, png_infop info_ptr,
double * white_x, double * white_y, double * red_x, double * red_y,
double * green_x, double * green_y, double * blue_x, double *
blue_y);
```

Description

png_get_cHRM() shall return the CIE x,y chromaticities of the red, green and blue display primaries used in the image and the referenced white point from the cHRM chunk in the image.

Return Value

On success, png_get_cHRM() shall return PNG_INFO_cHRM. Otherwise, the function shall return 0.

png_get_channels

Name

png_get_channels — get number of color channels in image

Synopsis

```
#include <png.h>
png_byte png_get_channels(png_structp png_ptr, png_infop info_ptr);
```

Description

png_get_channels() shall return the number of data channels per pixel for the color type of the image. The number of channels shall range from 1-4 depending on the color type as given below.

1 - PNG_COLOR_TYPE_GRAY or PNG_COLOR_TYPE_PALETTE
2 - PNG_COLOR_TYPE_GRAY_ALPHA
3 - PNG_COLOR_TYPE_RGB
4 - PNG_COLOR_TYPE_RGB_ALPHA or PNG_COLOR_TYPE_RGB+filler byte

Return Value

On success, png_get_channels() shall return the number of channels ranging from 1-4. Otherwise, png_get_channels shall return 0.

png_get_color_type

Name

`png_get_color_type` — return image color type

Synopsis

```
#include <png.h>
png_byte png_get_color_type(png_structp png_ptr, png_infop info_ptr);
```

Description

Returns the image color type.

Return Value

Returns 0 if png_ptr or info_ptr is NULL, color_type otherwise.

png_get_error_ptr

Name

`png_get_error_ptr` — return error_ptr for user-defined functions

Synopsis

```
#include <png.h>
png_voidp png_get_error_ptr(png_structp png_ptr);
```

Description

png_get_error_ptr() returns the error_ptr associated with user-defined functions.

Return Value

Returns error_ptr

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png_get_gAMA

Name

png_get_gAMA — get the gamma value for given image

Synopsis

```
#include <png.h>
png_uint_32 png_get_gAMA(png_structp png_ptr, png_infop info_ptr,
double * file_gamma);
```

Description

Returns the gamma value of an image to "file_gamma" if the gAMA chunk information is valid for the image.

Return Value

PNG_INFO_gAMA - if png_ptr, info_ptr, file_gamma are not NULL and gAMA chunk information is valid 0 - otherwise.

png_get_hIST

Name

png_get_hIST — get the histogram for given image

Synopsis

```
#include <png.h>
png_uint_32 png_get_hIST(png_structp png_ptr, png_infop info_ptr,
png_uint_16p * hist);
```

Description

Returns the histogram of an image to *hist if the hIST chunk information is valid for the image.

Return Value

PNG_INFO_hIST - if png_ptr, info_ptr, hist are not NULL and hIST chunk information is valid 0 - otherwise.

png_get_iCCP

Name

`png_get_iCCP` — get the embedded ICC profile data for given image

Synopsis

```
#include <png.h>
png_uint_32 png_get_iCCP(png_structp png_ptr, png_infop info_ptr,
png_charpp name, int * compression_type, png_charpp profile,
png_uint_32 * proflen);
```

Description

png_get_iCCP() shall return the embedded ICC profile data in iCCP chunk. "name" shall contain the profile name, *compression_type shall contain the compression type, profile shall contain teh International Color Consortium color profile data and *proflen shall contain the length of the profile data in bytes. *compression_type must always be set to PNG_COMPRESSION_TYPE_BASE.

Return Value

On success, png_get_iCCP() shall return PNG_INFO_iCCP. Otherwise, the function shall return 0.

png_get_image_height

Name

`png_get_image_height` — return image height

Synopsis

```
#include <png.h>
png_uint_32 png_get_image_height(png_structp png_ptr, png_infop
info_ptr);
```

Description

png_get_image_height() returns the image height in pixels.

Return Value

Returns 0 if png_ptr or info_ptr is NULL, image_height otherwise.

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png_get_image_width

Name

png_get_image_width — return image width

Synopsis

```
#include <png.h>
png_uint_32 png_get_image_width(png_structp png_ptr, png_infop
info_ptr);
```

Description

png_get_image_width() returns the image width in pixels.

Return Value

Returns 0 if png_ptr or info_ptr is NULL, image_width otherwise.

png_get_interlace_type

Name

png_get_interlace_type — returns interlace method

Synopsis

```
#include <png.h>
png_byte png_get_interlace_type(png_structp png_ptr, png_infop
info_ptr);
```

Description

png_get_interlace_type() returns the interlace method used for the image.

Return Value

Valid values are PNG_INTERLACE_NONE, PNG_INTERLACE_ADAM7. Returns 0 if png_ptr or info_ptr is NULL.

png_get_io_ptr

Name

png_get_io_ptr — return pointer for user-defined I/O

Synopsis

```
#include <png.h>
png_voidp png_get_io_ptr(png_structp png_ptr);
```

Description

Returns the pointer associated with user-defined input-output functions.

png_get_libpng_ver

Name

`png_get_libpng_ver` — get the library version string

Synopsis

```
#include <png.h>
png_charp png_get_libpng_ver(png_structp png_ptr);
```

Description

png_get_libpng_ver() shall return the library version as a short string in the format "1.0.0" through "99.99.99zz".

png_get_oFFs

Name

`png_get_oFFs` — get screen offsets for the given image

Synopsis

```
#include <png.h>
png_uint_32 png_get_oFFs(png_structp png_ptr, png_infop info_ptr,
png_int_32 * x_offset, png_int_32 * y_offset, int * unit_type);
```

Description

png_get_oFFs() shall read the positive offset from the left edge of the screen from info_ptr to x_offset and the positive offset from the top edge of the screen to y_offset. The unit type shall be returned in unit_type, which can take the following values

PNG_OFFSET_PIXEL
PNG_OFFSET_MICROMETER

Return Value

On success, png_get_oFFs() shall return PNG_INFO_oFFs. Otherwise, png_get_oFFs() shall return 0.

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png_get_pHYs

Name

`png_get_pHYs` — get the physical resolution for given image

Synopsis

```
#include <png.h>
png_uint_32  png_get_pHYs(png_structp  png_ptr,  png_infop  info_ptr,
png_uint_32 * res_x, png_uint_32 * res_y, int * unit_type);
```

Description

png_get_pHYs() shall return the physical pixel resolution of the image and the unit of resolution. Upon success, *res_x shall contain the horizontal resolution and *res_y shall contain the vertical resolution in pixels per unit. *unit_type will be set to PNG_RESOLUTION_METER if the resolution is expressed in pixels per meter. Otherwise *unit_type will be PNG_RESOLUTION_UNKNOWN.

Return Value

PNG_INFO_pHYs - on success 0 - otherwise.

png_get_progressive_ptr

Name

`png_get_progressive_ptr` — return pointer to user-defined push read functions

Synopsis

```
#include <png.h>
png_voidp png_get_progressive_ptr(png_structp png_ptr);
```

Description

Returns the pointer to user-defined structure containing information about the callback functions.

png_get_rowbytes

Name

`png_get_rowbytes` — Return number of bytes for a row

Synopsis

```
#include <png.h>
png_uint_32    png_get_rowbytes(png_structp    png_ptr,    png_infop
info_ptr);
```

Description

png_get_rowbytes() returns the number of bytes needed to hold a transformed row of an image.

Return Value

Returns 0 if png_ptr or info_ptr is NULL, number of bytes otherwise.

png_get_rows

Name

`png_get_rows` — retrieve image data from png_info structure

Synopsis

```
#include <png.h>
png_bytepp png_get_rows(png_structp png_ptr, png_infop info_ptr);
```

Description

png_get_rows() shall retrieve rows of image data from the info_ptr structure in an array of pointers to the pixel data for each row.

Return Value

On success, png_get_rows() shall return an array of pointers to the pixel data for each row of the image.

png_get_sBIT

Name

`png_get_sBIT` — get number of significant bits for each color channel

Synopsis

```
#include <png.h>
png_uint_32 png_get_sBIT(png_structp png_ptr, png_infop info_ptr,
png_color_8p * sig_bit);
```

Description

png_get_sBIT() shall return the number of significant bit for each of the gray, red, blue and green color channels.

Return Value

On success, png_get_sBIT() shall return PNG_INFO_sBIT. Otherwise, png_get_sBIT() shall return 0.

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png_get_sRGB

Name

`png_get_sRGB` — get the rendering intent for given image

Synopsis

```
#include <png.h>
png_uint_32 png_get_sRGB(png_structp png_ptr, png_infop info_ptr,
int * srgb_intent);
```

Description

png_get_sRGB() shall return the rendering intent of an image to *srgb_intent if the sRGB chunk information is valid for the image.

Return Value

PNG_INFO_sRGB - if png_ptr, info_ptr, srgb_intent are not NULL and sRGB chunk information is valid 0 - otherwise.

png_get_tIME

Name

`png_get_tIME` — get last modification time for the image

Synopsis

```
#include <png.h>
png_uint_32 png_get_tIME(png_structp png_ptr, png_infop info_ptr,
png_timep * mod_time);
```

Description

png_get_sBIT() shall return the time of last modification of the image if the tIME information is valid for the image.

Return Value

PNG_INFO_tIME - if png_ptr, info_ptr, mod_time are not NULL and tIME information is valid 0 - otherwise.

png_get_tRNS

Name

`png_get_tRNS` — get transparency data for images

Synopsis

```
#include <png.h>
png_uint_32  png_get_tRNS(png_structp  png_ptr,  png_infop  info_ptr,
png_bytep * trans, int * num_trans, png_color_16p * trans_values);
```

Description

png_get_tRNS() shall obtain the transparency data for paletted images and image types that don't need a full alpha channel from info_ptr. For a paletted image, the function retrieves the transparency values stored in the same order as the palette colors, starting from index 0. For non-paletted images, the function retrieves the single color value which is treated as fully transparent. If the transparency information is valid, i.e. PNG_INFO_tRNS bit is set for info_ptr->valid: *trans shall be set to the transparency values for a paletted image. Values for the data shall be in range [0,255], ranging from fully transparent to fully opaque, respectively. *num_trans shall be set to the number of transparency values *trans_values shall be set to the single color value specified for non-paletted images.

Return Value

Returns PNG_INFO_tRNS on successful return, 0 otherwise.

png_get_text

Name

`png_get_text` — get comments information from png_info structure

Synopsis

```
#include <png.h>
png_uint_32  png_get_text(png_structp  png_ptr,  png_infop  info_ptr,
png_textp * text_ptr, int * num_text);
```

Description

png_get_text() returns the text chunk information from the PNG stream in the array pointed to by text_ptr. It also returns the number of text chunks in num_text. text_ptr is an array of structure png_text whose members include:

`text_ptr[i].compression`

type of compression used on text. Valid values are:

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G_TEXT_COMPRESSION_NONE
G_TEXT_COMPRESSION_zTXt
G_ITXT_COMPRESSION_NONE
G_ITXT_COMPRESSION_zTXt

text_ptr[i].key

keyword for comment. Must contain 1-79 characters.

text_ptr[i].text

text comment for current keyword. Maybe empty.

text_ptr[i].text_length

length of text string after decompression. 0 for iTXt.

text_ptr[i].itxt_length

length of iTXt string after decompression. 0 for tEXt/zTXt.

text_ptr[i].lang

language of comment. Empty string if language is unknown.

text_ptr[i].lang_key

keyword in UTF-8. Empty string if language is unknown.

Return Value

Returns 0 if png_ptr or info_ptr is NULL, returns number of text chunks otherwise.

png_get_valid

Name

`png_get_valid` — determine if given chunk data is valid

Synopsis

```
#include <png.h>
png_uint_32 png_get_valid(png_structp png_ptr, png_infop info_ptr,
png_uint_32 flag);
```

Description

png_get_valid() shall obtain the validity of chunk data specified by the bits set in "flag". The following bits may be set in flag: PNG_INFO_gAMA PNG_INFO_sBIT PNG_INFO_cHRM PNG_INFO_PLTE PNG_INFO_tRNS PNG_INFO_bKGD PNG_INFO_hIST PNG_INFO_pHYs PNG_INFO_oFFs PNG_INFO_tIME PNG_INFO_pCAL PNG_INFO_sRGB PNG_INFO_iCCP PNG_INFO_sPLT PNG_INFO_sCAL PNG_INFO_IDAT

Return Value

On success, png_get_valid() shall return "flag" with the chunk bits set. Otherwise, png_get_valid() shall return 0.

png_get_x_offset_pixels

Name

`png_get_x_offset_pixels` — return x offset in pixels from oFFs chunk

Synopsis

```
#include <png.h>
png_int_32 png_get_x_offset_pixels(png_structp png_ptr, png_infop info_ptr);
```

Description

png_get_x_offset_pixels() shall obtain x offset in pixels for the image from its PNG_oFFs chunk data stored in info_ptr, if the unit for offset is pixels.

Return Value

On success, png_get_x_offset_pixels() shall return x offset in pixels. Otherwise png_get_x_offset_pixels() shall return 0.

png_get_x_pixels_per_meter

Name

`png_get_x_pixels_per_meter` — return horizontal pixel density per meter

Synopsis

```
#include <png.h>
png_uint_32 png_get_x_pixels_per_meter(png_structp png_ptr, png_infop info_ptr);
```

Description

png_get_x_pixels_per_meter() shall obtain the horizontal pixel density in pixels per meter from its PNG_pHYs chunk data stored in info_ptr, if the unit for resolution is pixels per meter.

Return Value

On success, png_get_x_pixels_per_meter() shall return horizontal pixel density in pixels per meter. Otherwise png_get_x_pixels_per_meter() shall return 0.

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png_get_y_offset_pixels

Name

`png_get_y_offset_pixels` — return y offset in pixels from oFFs chunk

Synopsis

```
#include <png.h>
png_int_32 png_get_y_offset_pixels(png_structp png_ptr, png_infop info_ptr);
```

Description

png_get_y_offset_pixels() shall obtain y offset in pixels for the image from its PNG_oFFs chunk data stored in info_ptr, if the unit for offset is pixels.

Return Value

On success, png_get_y_offset_pixels() shall return y offset in pixels. Otherwise png_get_y_offset_pixels() shall return 0.

png_get_y_pixels_per_meter

Name

`png_get_y_pixels_per_meter` — return vertical pixel density per meter

Synopsis

```
#include <png.h>
png_uint_32 png_get_y_pixels_per_meter(png_structp png_ptr, png_infop info_ptr);
```

Description

png_get_y_pixels_per_meter() shall obtain the vertical pixel density in pixels per meter from its PNG_pHYs chunk data stored in info_ptr, if the unit for resolution is pixels per meter.

Return Value

On success, png_get_y_pixels_per_meter() shall return vertical pixel density in pixels per meter. Otherwise png_get_y_pixels_per_meter() shall return 0.

png_init_io

Name

`png_init_io` — initialize input/output for the PNG file

Synopsis

```
#include <png.h>
void png_init_io(png_structp png_ptr, png_FILE_p fp);
```

Description

Initialize the default input/output functions for the PNG file to standard C streams. To replace the default read and write functions, use png_set_read_fn() and png_set_write_fn() respectively.

Return Value

Errors

png_malloc

Name

`png_malloc` — allocate memory

Synopsis

```
#include <png.h>
png_voidp png_malloc(png_structp png_ptr, png_uint_32 size);
```

Description

png_malloc() shall return a pointer to allocated memory of the specified size.

Return Value

Pointer to the block of memory allocated.

Errors

Invokes error handling function if the system is out of memory and sets PNG_FLAG_MALLOC_NULL_MEM_OK in member flags of png_struct.

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png_process_data

Name

png_process_data — read PNG file progressively

Synopsis

```
#include <png.h>
void png_process_data(png_structp png_ptr, png_infop info_ptr,
png_bytep buffer, png_size_t length);
```

Description

png_process_data() shall process data progressively from the PNG stream using callback functions set within png_set_progressive_read_fn(). The data is passed in "buffer" and length of data to be processed is specified by "length".

png_progressive_combine_row

Name

png_progressive_combine_row — combines current row data with processed row

Synopsis

```
#include <png.h>
void png_progressive_combine_row(png_structp png_ptr, png_bytep
old_row, png_bytep new_row);
```

Description

For non-NULL rows of interlaced images during progressive read, png_progressive_combine_row() shall combine the data for the current row with the previously processed row data. png_progressive_combine_row() shall return for NULL rows of interlaced images and memcpy rows for non-interlaced images.

png_read_end

Name

png_read_end — read the end of PNG file

Synopsis

```
#include <png.h>
void png_read_end(png_structp png_ptr, png_infop info_ptr);
```

Description

png_read_end() reads the end of a PNG file after reading the image data, including any comments or time information at the end of the file. The function shall not read past the end of the file.

png_read_image

Name

`png_read_image` — read the entire image into memory

Synopsis

```
#include <png.h>
void png_read_image(png_structp png_ptr, png_bytepp image);
```

Description

png_read_image() reads the entire image into memory at once. For each pass of an interlaced image, use png_read_rows() instead.

png_read_info

Name

`png_read_info` — read the PNG image information

Synopsis

```
#include <png.h>
void png_read_info(png_structp png_ptr, png_infop info_ptr);
```

Description

Reads the information before the actual image data from the PNG file. The function allows reading a file that already has the PNG signature bytes read from the stream.

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png_read_png

Name

`png_read_png` — read the entire PNG file

Synopsis

```
#include <png.h>
void  png_read_png(png_structp  png_ptr,  png_infop  info_ptr,  int
transforms, png_voidp params);
```

Description

png_read_png() shall provide the high-level read operation. The function shall read the entire image into memory. The integer "transforms" shall contain the logical OR of a set of the following transformation flags:

PNG_TRANSFORM_IDENTITY

No transformation

PNG_TRANSFORM_STRIP_16

Strip 16-bit samples to 8 bits

PNG_TRANSFORM_STRIP_ALPHA

Discard the alpha channel

PNG_TRANSFORM_PACKING

Expand 1, 2 and 4-bit samples to bytes

PNG_TRANSFORM_PACKSWAP

Change order of packed pixels to LSB first

PNG_TRANSFORM_EXPAND

Expand paletted images to RGB, grayscale to 8-bit images and tRNS chunks to alpha channels

PNG_TRANSFORM_INVERT_MONO

Invert monochrome images

PNG_TRANSFORM_SHIFT

Normalize pixels to the sBIT depth

PNG_TRANSFORM_BGR

Flip RGB to BGR, RGBA to BGRA

PNG_TRANSFORM_SWAP_ALPHA

Flip RGBA to ARGB or GA to AG

PNG_TRANSFORM_INVERT_ALPHA

Change alpha from opacity to transparency

PNG_TRANSFORM_SWAP_ENDIAN

Byte-swap 16-bit samples

"params" is unused and must be set to NULL.

png_read_row

Name

`png_read_row` — read a row of image data

Synopsis

```
#include <png.h>
void png_read_row(png_structp png_ptr, png_bytep row, png_bytep
display_row);
```

Description

png_read_row() reads a row of actual image data. "row" holds the image pixels as they are processed. If the image is displayed after each pass, "display_row" is used to display a blurred progressive image. "display_row" can be NULL if the progressive image is not required.

png_read_rows

Name

`png_read_rows` — read multiple rows of image data

Synopsis

```
#include <png.h>
void png_read_rows(png_structp png_ptr, png_bytepp row, png_bytepp
display_row, png_uint_32 num_rows);
```

Description

Read "num_rows" rows of image data starting from "row". If the image is interlaced, the rows must contain the contents of the rows from the previous pass. If the image is displayed after each pass, "display_row" is used to display a blurred progressive image. "display_row" can be NULL if the progressive image is not required.

png_read_update_info

Name

`png_read_update_info` — update png_info structure

Synopsis

```
#include <png.h>
void png_read_update_info(png_structp png_ptr, png_infop info_ptr);
```

Description

png_read_update_info() updates the structure pointed to by info_ptr to reflect any transformations that have been requested. For example, rowbytes will be updated to handle expansion of an interlaced image with png_read_update_info().

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png_set_IHDR

Name

`png_set_IHDR` — set the PNG_IHDR chunk information

Synopsis

```
#include <png.h>
void    png_set_IHDR(png_structp    png_ptr,    png_infop    info_ptr,
png_uint_32 width, png_uint_32 height, int bit_depth, int color_type,
int interlace_type, int compression_type, int filter_type);
```

Description

png_set_IHDR() shall set image header information in info_ptr. width is the image width in pixels. height is the image height in pixels. bit_depth is the bit depth of the image. Valid values shall include 1, 2, 4, 8, 16 and shall also depend on the color type. color_type is the type of image. Supported color types shall include: PNG_COLOR_TYPE_GRAY (bit depths 1, 2, 4, 8, 16) PNG_COLOR_TYPE_GRAY_ALPHA (bit depths 8, 16) PNG_COLOR_TYPE_PALETTE (bit depths 1, 2, 4, 8) PNG_COLOR_TYPE_RGB (bit depths 8, 16) PNG_COLOR_TYPE_RGB_ALPHA (bit depths 8, 16) PNG_COLOR_MASK_PALETTE PNG_COLOR_MASK_COLOR PNG_COLOR_MASK_ALPHA interlace_type is the image interlace method. Supported values shall include: PNG_INTERLACE_NONE or PNG_INTERLACE_ADAM7 compression_type is the method used for image compression. The value must be PNG_COMPRESSION_TYPE_DEFAULT. filter_type is the method used for image filtering. The value must be PNG_FILTER_TYPE_DEFAULT.

Errors

png_set_IHDR() shall invoke error function if any of the arguments has an invalid value.

png_set_PLTE

Name

`png_set_PLTE` — set color values for the palette

Synopsis

```
#include <png.h>
void    png_set_PLTE(png_structp    png_ptr,    png_infop    info_ptr,
png_colorp palette, int num_palette);
```

Description

png_set_PLTE() shall set the array of color values used as palette for image to "palette". The palette shall include "num_palette" entries.

png_set_bKGD

Name

`png_set_bKGD` — set the background color for given image

Synopsis

```
#include <png.h>
void    png_set_bKGD(png_structp    png_ptr,    png_infop    info_ptr,
png_color_16p background);
```

Description

png_set_bKGD() shall set the background color of an image to "background" and sets bKGD chunk information to valid for the image.

png_set_background

Name

`png_set_background` — set the background for given image

Synopsis

```
#include <png.h>
void    png_set_background(png_structp    png_ptr,    png_color_16p
background_color, int background_gamma_code, int need_expand, double
background_gamma);
```

Description

png_set_background() shall set the background of an image with alpha channel or simple transparency with the specified background color. If background_gamma_code is set to PNG_BACKGROUND_GAMMA_SCREEN, it indicates that the supplied background color is in the gamma space of the display, else if it is set to PNG_BACKGROUND_GAMMA_FILE, the color is in the gamma space of the file. If the background color is supplied at the original bit-depth for a grayscale image that is expanded to truecolor or to a higher bit-depth, need_expand must be set to 1, but if the background color is supplied at the expanded bit-depth, need_expand must be set to 0. Similarly for paletted images, if background color is supplied as a palette index, need_expand must be set to 1, else if background color is supplied as an RGB triplet, need_expand must be set to 0.

png_set_bgr

Name

`png_set_bgr` — set pixel order to blue, green, red

Synopsis

```
#include <png.h>
void png_set_bgr(png_structp png_ptr);
```

Description

png_set_bgr() shall set the pixel order to blue, green, red.

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png_set_cHRM

Name

`png_set_cHRM` — set CIE chromacities and referenced white point for given image

Synopsis

```
#include <png.h>
void png_set_cHRM(png_structp png_ptr, png_infop info_ptr, double white_x, double white_y, double red_x, double red_y, double green_x, double green_y, double blue_x, double blue_y);
```

Description

png_set_cHRM() shall set the CIE x,y chromaticities of the red, green and blue display primaries for the image and the referenced white point. The values must range from 0 to 21474.83 both inclusive.

Errors

png_set_cHRM() shall report a non-fatal error and exit if any of the chormacity values lies outside the range 0 to 21474.83.

png_set_compression_level

Name

`png_set_compression_level` — set image compression level

Synopsis

```
#include <png.h>
void png_set_compression_level(png_structp png_ptr, int level);
```

Description

png_set_compression_level() shall set the compression level to "level". The valid values for "level" range from [0,9], corresponding directly to compression levels for zlib. The value 0 implies no compression and 9 implies maximal compression. Note: Tests have shown that zlib compression levels 3-6 usually perform as well as level 9 for PNG images, and do considerably fewer caclulations.

png_set_dither

Name

png_set_dither — turn on dithering to 8-bit

Synopsis

```
#include <png.h>
void png_set_dither(png_structp png_ptr, png_colorp palette, int num_palette, int maximum_colors, png_uint_16p histogram, int full_dither);
```

Description

png_set_dither() shall set transformation to dither file to 8-bit. For the given palette with num_palette number of colors, the number of colors in the palette shall be reduced to fit in "maximum_colors" if the palette is larger than maximum_colors. If supplied, the histogram is used to get better results of the reduced palette. For reducing the number of colors in palette, full_dither must be set to 0. If full_dither is set to 1, dithering cube shall be setup for RGB images to reduce the RGB file to a paletted file.

png_set_error_fn

Name

png_set_error_fn — set user defined functions for error handling

Synopsis

```
#include <png.h>
void png_set_error_fn(png_structp png_ptr, png_voidp error_ptr, png_error_ptr error_fn, png_error_ptr warning_fn);
```

Description

png_set_error_fn() shall replace the default error handling and warning functions with user defined function error_fn for handling fatal errors and function warning_fn for handling non-fatal errors. The replacement functions must do a longjmp to the last setjmp location if setjmp/longjmp method of error handling is used. If error_fn or warning_fn is NULL, the default functions for error handling shall be used.

png_set_expand

Name

png_set_expand — set expansion transformation

Synopsis

```
#include <png.h>
void png_set_expand(png_structp png_ptr);
```

Description

png_set_expand() shall set transformation in png_ptr such that paletted images are expanded to RGB, grayscale images of bit-depth less than 8 are expanded to 8-bit images and tRNS chunks are expanded to alpha channels.

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png_set_filler

Name

`png_set_filler` — add a filler byte to given image

Synopsis

```
#include <png.h>
void png_set_filler(png_structp png_ptr, png_uint_32 filler, int flags);
```

Description

png_set_filler() shall set transformations in png_ptr such that a filler byte is added when an 8-bit grayscale image or 24-bit RGB image is read and a filler byte is deleted when an 8-bit grayscale image or 24-bit RGB image is written.

png_set_filter

Name

`png_set_filter` — set filtering method

Synopsis

```
#include <png.h>
void png_set_filter(png_structp png_ptr, int method, int filters);
```

Description

png_set_filter() shall set the filtering method used for scan-line filtering. The only valid value for "method" is 0. "filters" is a bitmap for which the following bits may be set. PNG_NO_FILTERS PNG_FILTER_NONE PNG_FILTER_SUB PNG_FILTER_UP PNG_FILTER_AVG PNG_FILTER_PAETH PNG_ALL_FILTERS

png_set_gAMA

Name

`png_set_gAMA` — set the gamma value for given image

Synopsis

```
#include <png.h>
void png_set_gAMA(png_structp png_ptr, png_infop info_ptr, double file_gamma);
```

Description

Sets the gamma value of an image to "file_gamma" and sets gAMA chunk information to valid for the image.

Errors

png_set_gAMA() shall generate warning if file_gamma > 21474.83 or file_gamma = 0

png_set_gamma

Name

`png_set_gamma` — transform the image from file gamma to screen gamma

Synopsis

```
#include <png.h>
void png_set_gamma(png_structp png_ptr, double screen_gamma, double
file_gamma);
```

Description

png_set_gama() shall set the transformation for gamma correction of the PNG file based on the screen gamma i.e. the display exponent. The gamma transformation may be turned off later if no semitransparent entries are present in the tRNS array for palette images.

png_set_gray_to_rgb

Name

`png_set_gray_to_rgb` — expand the grayscale image to 24-bit RGB

Synopsis

```
#include <png.h>
void png_set_gray_to_rgb(png_structp png_ptr);
```

Description

png_set_gray_to_rgb() shall set transformations such that the grayscale image is converted to 24-bit RGB.

png_set_hIST

Name

`png_set_hIST` — set the histogram of color palette

Synopsis

```
#include <png.h>
void    png_set_hIST(png_structp    png_ptr,    png_infop    info_ptr,
png_uint_16p hist);
```

Description

png_set_hIST() shall set the histogram of palette to "hist".

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png_set_iCCP

Name

`png_set_iCCP` — set ICC component

Synopsis

```
#include <png.h>
void png_set_iCCP(png_structp png_ptr, png_infop info_ptr, png_charp
name, int compression_type, png_charp profile, png_uint_32 proflen);
```

Description

png_set_iCCP() shall set the ICC component information to info_ptr. The arguments used to describe the ICC profile information have been described below:

name

ICC profile name

compression_type

compression type used must be 0

profile

profile data

proflen

length of profile data

png_set_interlace_handling

Name

`png_set_interlace_handling` — get the number of passes for image interlacing

Synopsis

```
#include <png.h>
int png_set_interlace_handling(png_structp png_ptr);
```

Description

png_set_interlace_handling() shall set the scheme to interlacing for writing an image and return the number of sub-images required to write the image.

Return Value

png_set_interlace_handling() shall return 7 if the image is interlaced, otherwise png_set_interlace_handling() shall return 1.

png_set_invert_mono

Name

`png_set_invert_mono` — reverse values for monochromicity

Synopsis

```
#include <png.h>
void png_set_invert_mono(png_structp png_ptr);
```

Description

png_set_invert_mono() shall set monochromicity value 0 to white and value 1 to black.

png_set_oFFs

Name

`png_set_oFFs` — set screen offsets for given image

Synopsis

```
#include <png.h>
void    png_set_oFFs(png_structp    png_ptr,    png_infop    info_ptr,
png_int_32 offset_x, png_int_32 offset_y, int unit_type);
```

Description

png_set_oFFs() shall set the positive offset from the left edge of the screen to offset_x and the positive offset from the left edge of the screen to offset_y. The unit_type must be PNG_OFFSET_PIXEL if the offset is defined in pixels or PNG_OFFSET_MICROMETER if the offset is defined in microns.

png_set_pHYs

Name

`png_set_pHYs` — set physical resolution

Synopsis

```
#include <png.h>
void    png_set_pHYs(png_structp    png_ptr,    png_infop    info_ptr,
png_uint_32 res_x, png_uint_32 res_y, int unit_type);
```

Description

png_set_pHYs() sets the physical resolution for the image in pixels per unit. The physical resolution in x direction is set to res_x and that in y direction is set to res_y. unit_type must be set to PNG_RESOLUTION_METER is the unit for resolution is pixels per unit, otherwise unit_type must be set to PNG_RESOLUTION_UNKNOWN.

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png_set_packing

Name

`png_set_packing` — expand image to 1 pixel per byte for bit-depths 1,2 and 4

Synopsis

```
#include <png.h>
void png_set_packing(png_structp png_ptr);
```

Description

png_set_packing() shall expand image to 1 pixel per byte for bit-depths 1, 2 and 4 without changing the order of the pixels. If png_set_packing() is not called, PNG files pack pixels of bit_depths 1, 2 and 4 into bytes as small as possible, for example, 8 pixels per byte for 1-bit files.

png_set_packswap

Name

`png_set_packswap` — swap the order of pixels for packed-pixel image

Synopsis

```
#include <png.h>
void png_set_packswap(png_structp png_ptr);
```

Description

png_set_swap() shall change the pixel packing order for each byte for packed-pixel images with bit-depths 1, 2 or 4.

png_set_progressive_read_fn

Name

`png_set_progressive_read_fn` — set progressive read callback functions

Synopsis

```
#include <png.h>
void   png_set_progressive_read_fn(png_structp   png_ptr,   png_voidp
user_ptr,          png_progressive_info_ptr          info_callback,
png_progressive_row_ptr    row_callback,    png_progressive_end_ptr
end_callback);
```

Description

png_set_progressive_read_fn() shall provide function callbacks for which shall be called for processing image data by png_process_data(). "info_callback" shall be called to process header information, "row_callback" shall be called when each row is completed and "end_callback" shall be called to process end of image information. png_set_progressive_read_fn() must be called even if all callback functions are NULL. The user-defined structure pointed to by "user_ptr" may be retrieved from inside the callbacks using function get_progressive_ptr().

png_set_read_fn

Name

`png_set_read_fn` — set user-defined function for reading a PNG stream

Synopsis

```
#include <png.h>
void    png_set_read_fn(png_structp    png_ptr,    png_voidp    io_ptr,
png_rw_ptr read_data_fn);
```

Description

png_set_read_fn() sets the read_data_fn as the input function for reading PNG files instead of using standard C I/O stream functions. png_ptr - pointer to input data structure png_struct io_ptr - pointer to user-defined structure containing information about the input functions. This value may be NULL. read_data_fn - pointer to new input function that shall take the following arguments: - a pointer to a png_struct - a pointer to a structure where input data can be stored - 32-bit unsigned int to indicate number of bytes to read The input function should invoke png_error() to handle any fatal errors and png_warning() to handle non-fatal errors.

png_set_rgb_to_gray

Name

`png_set_rgb_to_gray` — reduce 24-bit RGB to grayscale image

Synopsis

```
#include <png.h>
void png_set_rgb_to_gray(png_structp png_ptr);
```

Description

png_set_rgb_to_gray() shall set transformations such that the 24-bit RGB image is converted to grayscale.

png_set_rows

Name

`png_set_rows` — put image data in png_info structure

Synopsis

```
#include <png.h>
void    png_set_rows(png_structp    png_ptr,    png_infop    info_ptr,
png_bytepp row_pointers);
```

Description

png_set_rows() shall put rows of image data into the info_ptr structure, where row_pointers is an array of pointers to the pixel data for each row.

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png_set_sBIT

Name

png_set_sBIT — set number of significant bits for each channel

Synopsis

```
#include <png.h>
void png_set_sBIT(png_structp png_ptr, png_infop info_ptr,
png_color_8p sig_bit);
```

Description

png_set_sBIT shall set the number of significant bits for each of gray, red, green and blue channels, whichever are appropriate for the given color type.

png_set_sRGB

Name

png_set_sRGB — set the rendering intent for given image

Synopsis

```
#include <png.h>
void png_set_sRGB(png_structp png_ptr, png_infop info_ptr, int
srgb_intent);
```

Description

png_set_sRGB() shall set the rendering intent of an image as specified by srgb_intent and shall set the sRGB chunk information to valid for the image. The presence of sRGB chunk implies that the pixel data is in the sRGB color space. srgb_intent can take one of the following values

PNG_sRGB_INTENT_SATURATION
PNG_sRGB_INTENT_PERCEPTUAL
PNG_sRGB_INTENT_ABSOLUTE
PNG_sRGB_INTENT_RELATIVE

png_set_shift

Name

png_set_shift — pixel values to valid bit-depth

Synopsis

```
#include <png.h>
void png_set_shift(png_structp png_ptr, png_color_8p true_bits);
```

Description

If image data in a row buffer is stored in a bit depth other than those supported by PNG, png_set_shift() shall scale the values to a valid bit-depth defined by PNG format. For example, 3-bit data in range 0-7 is scaled to 4-bit PNG.

png_set_sig_bytes

Name

`png_set_sig_bytes` — number of bytes read from PNG file

Synopsis

```
#include <png.h>
void png_set_sig_bytes(png_structp png_ptr, int num_bytes);
```

Description

png_set_sig_bytes() shall store the number of bytes of the PNG file signature that have been read from the PNG stream.

Errors

png_set_sig_bytes() shall invoke error function if num_bytes > 8.

png_set_strip_16

Name

`png_set_strip_16` — strip 16 bit PNG file to 8 bit depth

Synopsis

```
#include <png.h>
void png_set_strip_16(png_structp png_ptr);
```

Description

png_set_strip_16() shall strip the pixels of a PNG stream with 16 bits per channel to 8 bits per channel.

png_set_strip_alpha

Name

`png_set_strip_alpha` — remove alpha channel on the given image

Synopsis

```
#include <png.h>
void png_set_strip_alpha(png_structp png_ptr);
```

Description

png_set_strip_alpha() shall set transformation on the image to remove the alpha channel.

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png_set_swap

Name

`png_set_swap` — swap byte-order for 16 bit depth files

Synopsis

```
#include <png.h>
void png_set_swap(png_structp png_ptr);
```

Description

PNG files store 16-bit pixels in network byte order (big-endian, ie most significant bytes first). png_set_swap() shall switch the byte-order to little-endian (ie, least significant bits first).

png_set_swap_alpha

Name

`png_set_swap_alpha` — swap image data from RGBA to ARGB format

Synopsis

```
#include <png.h>
void png_set_swap_alpha(png_structp png_ptr);
```

Description

png_set_swap_alpha() shall swap data for an image with an alpha channel from RGBA format to ARGB format.

png_set_tIME

Name

`png_set_tIME` — set last modification time for the image

Synopsis

```
#include <png.h>
void png_set_tIME(png_structp png_ptr, png_infop info_ptr, png_timep
mod_time);
```

Description

png_set_sBIT shall set the time of last modification of the image in info_ptr as specified by mod_time.

png_set_tRNS

Name

`png_set_tRNS` — set transparency values for images

Synopsis

```
#include <png.h>
void png_set_tRNS(png_structp png_ptr, png_infop info_ptr, png_bytep
trans, int num_trans, png_color_16p trans_values);
```

Description

png_set_tRNS() shall set the transparency data for paletted images and image types that don't need a full alpha channel. For a paletted image, png_set_tRNS() shall set the array of transparency values for the palette colors to "trans". The number of transparency entries is given by "num_trans". For non-paletted images, png_set_tRNS() shall set the single color value or graylevel to "trans_values"

png_set_text

Name

`png_set_text` — stores information for image comments

Synopsis

```
#include <png.h>
void png_set_text(png_structp png_ptr, png_infop info_ptr, png_textp
text_ptr, int num_text);
```

Description

png_set_text() shall store information for image comments given in text_ptr to info_ptr. text_ptr is an array of size "num_text" of png_text structure whose member fields include: compression - type of compression used on text. Supported values are: PNG_TEXT_COMPRESSION_NONE PNG_TEXT_COMPRESSION_zTXt PNG_ITXT_COMPRESSION_NONE PNG_ITXT_COMPRESSION_zTXt key - keyword for comment. Must contain 1-79 characters. text - text comments for current keyword. Maybe NULL or empty. text_length - length of text string after decompression. Must be 0 for iTXt itxt_length - length of itxt string after decompression. Must be 0 for tEXt/zTXt lang - language of comment. May be NULL or empty if language is unknown. lang_key - translated keyword in UTF-8 coding. Maybe NULL or empty.

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png_set_write_fn

Name

`png_set_write_fn` — set user-defined function for writing a PNG stream

Synopsis

```
#include <png.h>
void   png_set_write_fn(png_structp   png_ptr,   png_voidp   io_ptr,
png_rw_ptr write_data_fn, png_flush_ptr output_flush_fn);
```

Description

png_set_write_fn() sets the write_data_fn as the output function for writing PNG files instead of using standard C I/O stream functions. png_ptr - pointer to output data structure png_struct io_ptr - pointer to user-defined structure containing information about the output functions. This value may be NULL. write_data_fn - pointer to new output function that shall take the following arguments: - a pointer to a png_struct - a pointer to a structure where output data can be stored - 32-bit unsigned int to indicate number of bytes to write The output function should invoke png_error() to handle any fatal errors and png_warning() to handle non-fatal errors. flush_data_fn - pointer to a new flush function that shall take a pointer to a png_struct as argument. This function shall flush any remaining data in buffers used by the output function. If the output function does not buffer output, a function prototype must still be supplied.

png_sig_cmp

Name

`png_sig_cmp` — match the PNG signature

Synopsis

```
#include <png.h>
int   png_sig_cmp(png_bytep   sig,   png_size_t   start,   png_size_t
num_to_check);
```

Description

png_sig_cmp() checks whether the given number of bytes match the PNG signature starting from the start position. The function shall return non-zero if num_to_check == 0 or start > 7.

Return Value

Zero - the given number of bytes starting from start position match the respective bytes of the PNG signature. Non-zero - the given number of bytes starting from start position do not match the respective bytes of the PNG signature or num_to_check == 0 or start > 7.

png_warning

Name

`png_warning` — default function to handle non-fatal errors

Synopsis

```
#include <png.h>
void      png_warning(png_structp      png_ptr,      png_const_charp
warning_message);
```

Description

png_warning() is the default function for handling non-fatal errors. The default function to handle warnings may be changed by using png_set_error_fn() to replace the warning function at run-time.

png_write_chunk

Name

`png_write_chunk` — write a PNG chunk

Synopsis

```
#include <png.h>
void  png_write_chunk(png_structp  png_ptr,  png_bytep  chunk_name,
png_bytep data, png_size_t length);
```

Description

png_write_chunk() writes the start of a PNG chunk, the chunk data and the end of the chunk all at once.

png_write_end

Name

`png_write_end` — write the end of a PNG file

Synopsis

```
#include <png.h>
void png_write_end(png_structp png_ptr, png_infop info_ptr);
```

Description

png_write_end() writes the end of a PNG file to which the image data has already been written. The user may write time information or comments at the end of the PNG file.

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png_write_flush

Name

`png_write_flush` — flush the current output buffers

Synopsis

```
#include <png.h>
void png_write_flush(png_structp png_ptr);
```

Description

png_write_flush() shall the current output buffers for any pending data.

png_write_image

Name

`png_write_image` — write the given image data

Synopsis

```
#include <png.h>
void png_write_image(png_structp png_ptr, png_bytepp image);
```

Description

Write the rows of given image data. If the image is not interlaced, the image shall be written in a single pass.

png_write_info

Name

`png_write_info` — write PNG information to file

Synopsis

```
#include <png.h>
void png_write_info(png_structp png_ptr, png_infop info_ptr);
```

Description

png_write_info() writes the PNG information in info_ptr to file.

png_write_png

Name

`png_write_png` — write the entire PNG file

Synopsis

```
#include <png.h>
void png_write_png(png_structp png_ptr, png_infop info_ptr, int transforms, png_voidp params);
```

Description

png_write_png() shall provide the high-level write operation. The function shall write the PNG stream if the entire image information is available in png_ptr. The integer "transforms" shall contain the logical OR of a set of the following transformation flags:

PNG_TRANSFORM_IDENTITY

No transformation

PNG_TRANSFORM_PACKING

Expand 1, 2 and 4-bit samples to bytes

PNG_TRANSFORM_PACKSWAP

Change order of packed pixels to LSB first

PNG_TRANSFORM_INVERT_MONO

Invert monochrome images

PNG_TRANSFORM_SHIFT

Normalize pixels to the sBIT depth

PNG_TRANSFORM_BGR

Flip RGB to BGR, RGBA to BGRA

PNG_TRANSFORM_SWAP_ALPHA

Flip RGBA to ARGB or GA to AG

PNG_TRANSFORM_INVERT_ALPHA

Change alpha from opacity to transparency

PNG_TRANSFORM_SWAP_ENDIAN

Byte-swap 16-bit samples

PNG_TRANSFORM_STRIP_FILLER

Strip off filler bytes

"params" is unused and must be set to NULL.

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png_write_row

Name

`png_write_row` — write a row of image data

Synopsis

```
#include <png.h>
void png_write_row(png_structp png_ptr, png_bytep row);
```

Description

Process and write a row of image data. The header information must have been written before the image data can be written.

png_write_rows

Name

`png_write_rows` — write multiple rows of image data

Synopsis

```
#include <png.h>
void png_write_rows(png_structp png_ptr, png_bytepp row, png_uint_32
num_rows);
```

Description

Process and write "num_rows" rows of image data starting from "row".

V JPEG library

9 Libraries

9.1 Interfaces for libjpeg

Table 9-1 defines the library name and shared object name for the libjpeg library

Table 9-1 libjpeg Definition

Library:	libjpeg
SONAME:	libjpeg.so.62

The behavior of the interfaces in this library is specified by the following specifications:

[LSB] This Specification

9.1.1 JPEG Reference library

9.1.1.1 Interfaces for JPEG Reference library

An LSB conforming implementation shall provide the generic functions for JPEG Reference library specified in Table 9-2, with the full mandatory functionality as described in the referenced underlying specification.

Table 9-2 libjpeg - JPEG Reference library Function Interfaces

jpeg_CreateCompress [LSB]	jpeg_CreateDecompress [LSB]	jpeg_abort [LSB]
jpeg_abort_compress [LSB]	jpeg_abort_decompress [LSB]	jpeg_add_quant_table [LSB]
jpeg_alloc_huff_table [LSB]	jpeg_alloc_quant_table [LSB]	jpeg_calc_output_dimensions [LSB]
jpeg_consume_input [LSB]	jpeg_copy_critical_parameters [LSB]	jpeg_default_colorspace [LSB]
jpeg_destroy [LSB]	jpeg_destroy_compress [LSB]	jpeg_destroy_decompress [LSB]
jpeg_finish_compress [LSB]	jpeg_finish_decompress [LSB]	jpeg_finish_output [LSB]
jpeg_has_multiple_scans [LSB]	jpeg_input_complete [LSB]	jpeg_new_colormap [LSB]
jpeg_quality_scaling [LSB]	jpeg_read_coefficients [LSB]	jpeg_read_header [LSB]
jpeg_read_raw_data [LSB]	jpeg_read_scanlines [LSB]	jpeg_resync_to_restart [LSB]
jpeg_save_markers [LSB]	jpeg_set_colorspace [LSB]	jpeg_set_defaults [LSB]
jpeg_set_linear_quality [LSB]	jpeg_set_marker_processor [LSB]	jpeg_set_quality [LSB]
jpeg_simple_progressio	jpeg_start_compress	jpeg_start_decompress

n [LSB]	[LSB]	[LSB]
jpeg_start_output [LSB]	jpeg_std_error [LSB]	jpeg_stdio_dest [LSB]
jpeg_stdio_src [LSB]	jpeg_suppress_tables [LSB]	jpeg_write_coefficients [LSB]
jpeg_write_m_byte [LSB]	jpeg_write_m_header [LSB]	jpeg_write_marker [LSB]
jpeg_write_raw_data [LSB]	jpeg_write_scanlines [LSB]	jpeg_write_tables [LSB]

9.2 Data Definitions for libjpeg

This section defines global identifiers and their values that are associated with interfaces contained in libjpeg. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and application developers should use this ABI to supplement - not to replace - source interface definition specifications.

This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

9.2.1 jpeglib.h

```
#define FAR
#define HAVE_PROTOTYPES
#define HAVE_STDDEF_H
#define HAVE_STDLIB_H
#define HAVE_UNSIGNED_CHAR
#define HAVE_UNSIGNED_SHORT
#define jpeg_create_compress(cinfo)      \
        jpeg_CreateCompress((cinfo),  JPEG_LIB_VERSION,  (size_t)
sizeof(struct \
        jpeg_compress_struct))
#define jpeg_create_decompress(cinfo)    \
        jpeg_CreateDecompress((cinfo), JPEG_LIB_VERSION, (size_t)
\
        sizeof(struct jpeg_decompress_struct))
#define jpeg_common_fields       \
        struct  jpeg_error_mgr  *  err;  struct  jpeg_memory_mgr  *
mem; struct \
        jpeg_progress_mgr * progress; void * client_data; boolean
\
        is_decompressor; int global_state
#define GETJSAMPLE(value)       ((int) (value))
#define GETJOCTET(value)        (value)
#define JPEG_SUSPENDED  0
#define JPOOL_PERMANENT 0
#define JPEG_RST0       0xD0
#define JPEG_EOI        0xD9
#define JPEG_APP0       0xE0
```

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```
#define JPEG_COM        0xFE
#define JPEG_HEADER_OK  1
#define JPEG_REACHED_SOS        1
#define JPOOL_IMAGE     1
#define C_MAX_BLOCKS_IN_MCU     10
#define D_MAX_BLOCKS_IN_MCU     10
#define MAX_COMPONENTS  10
#define CENTERJSAMPLE   128
#define NUM_ARITH_TBLS  16
#define JPEG_HEADER_TABLES_ONLY 2
#define JPEG_REACHED_EOI        2
#define JPOOL_NUMPOOLS  2
#define JMSG_LENGTH_MAX 200
#define MAXJSAMPLE      255
#define JPEG_ROW_COMPLETED      3
#define JPEG_SCAN_COMPLETED     4
#define MAX_COMPS_IN_SCAN       4
#define MAX_SAMP_FACTOR 4
#define NUM_HUFF_TBLS   4
#define NUM_QUANT_TBLS  4
#define JPEG_LIB_VERSION        62
#define DCTSIZE2        64
#define JPEG_MAX_DIMENSION      65500L
#define BITS_IN_JSAMPLE 8
#define DCTSIZE 8
#define JMSG_STR_PARM_MAX       80
#define JPP(arglist)    arglist
#define EXTERN(type)    extern type
#define JDCT_FASTEST    JDCT_IFAST
#define JDCT_DEFAULT    JDCT_ISLOW
#define LOCAL(type)     static type
#define METHODDEF(type) static type
#define GLOBAL(type)    type
#define   JMETHOD(type,methodname,arglist)                    type
(*methodname) arglist

struct jpeg_decompress_struct {
    struct jpeg_error_mgr *err;
    struct jpeg_memory_mgr *mem;
    struct jpeg_progress_mgr *progress;
    void *client_data;
    boolean is_decompressor;
    int global_state;
    struct jpeg_source_mgr *src;
    JDIMENSION image_width;
    JDIMENSION image_height;
    int num_components;
    J_COLOR_SPACE jpeg_color_space;
    J_COLOR_SPACE out_color_space;
    unsigned int scale_num;
    unsigned int scale_denom;
    double output_gamma;
    boolean buffered_image;
    boolean raw_data_out;
    J_DCT_METHOD dct_method;
    boolean do_fancy_upsampling;
    boolean do_block_smoothing;
    boolean quantize_colors;
    J_DITHER_MODE dither_mode;
    boolean two_pass_quantize;
    int desired_number_of_colors;
    boolean enable_1pass_quant;
    boolean enable_external_quant;
    boolean enable_2pass_quant;
    JDIMENSION output_width;
    JDIMENSION output_height;
```

```
        int out_color_components;
        int output_components;
        int rec_outbuf_height;
        int actual_number_of_colors;
        JSAMPARRAY colormap;
        JDIMENSION output_scanline;
        int input_scan_number;
        JDIMENSION input_iMCU_row;
        int output_scan_number;
        JDIMENSION output_iMCU_row;
        int *coef_bits;
        JQUANT_TBL *quant_tbl_ptrs[4];
        JHUFF_TBL *dc_huff_tbl_ptrs[4];
        JHUFF_TBL *ac_huff_tbl_ptrs[4];
        int data_precision;
        jpeg_component_info *comp_info;
        boolean progressive_mode;
        boolean arith_code;
        UINT8 arith_dc_L[16];
        UINT8 arith_dc_U[16];
        UINT8 arith_ac_K[16];
        unsigned int restart_interval;
        boolean saw_JFIF_marker;
        UINT8 JFIF_major_version;
        UINT8 JFIF_minor_version;
        UINT8 density_unit;
        UINT16 X_density;
        UINT16 Y_density;
        boolean saw_Adobe_marker;
        UINT8 Adobe_transform;
        boolean CCIR601_sampling;
        jpeg_saved_marker_ptr marker_list;
        int max_h_samp_factor;
        int max_v_samp_factor;
        int min_DCT_scaled_size;
        JDIMENSION total_iMCU_rows;
        JSAMPLE *sample_range_limit;
        int comps_in_scan;
        jpeg_component_info *cur_comp_info[4];
        JDIMENSION MCUs_per_row;
        JDIMENSION MCU_rows_in_scan;
        int blocks_in_MCU;
        int MCU_membership[10];
        int Ss;
        int Se;
        int Ah;
        int Al;
        int unread_marker;
        struct jpeg_decomp_master *master;
        struct jpeg_d_main_controller *main;
        struct jpeg_d_coef_controller *coef;
        struct jpeg_d_post_controller *post;
        struct jpeg_input_controller *inputctl;
        struct jpeg_marker_reader *marker;
        struct jpeg_entropy_decoder *entropy;
        struct jpeg_inverse_dct *idct;
        struct jpeg_upsampler *upsample;
        struct jpeg_color_deconverter *cconvert;
        struct jpeg_color_quantizer *cquantize;
    };
    struct jpeg_error_mgr {
        void (*error_exit) (j_common_ptr);
        void (*emit_message) (j_common_ptr, int);
        void (*output_message) (j_common_ptr);
        void (*format_message) (j_common_ptr, char *);
        void (*reset_error_mgr) (j_common_ptr);
```

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```
    int msg_code;
    union {
        int i[8];
        char s[80];
    } msg_parm;
    int trace_level;
    long int num_warnings;
    const char *const *jpeg_message_table;
    int last_jpeg_message;
    const char *const *addon_message_table;
    int first_addon_message;
    int last_addon_message;
};
struct jpeg_common_struct {
    struct jpeg_error_mgr *err;
    struct jpeg_memory_mgr *mem;
    struct jpeg_progress_mgr *progress;
    void *client_data;
    boolean is_decompressor;
    int global_state;
};
struct jpeg_memory_mgr {
    void *(*alloc_small) (j_common_ptr, int, size_t);
    void *(*alloc_large) (j_common_ptr, int, size_t);
     JSAMPARRAY(*alloc_sarray)  (j_common_ptr,  int,  JDIMENSION,
JDIMENSION);
     JBLOCKARRAY(*alloc_barray) (j_common_ptr, int, JDIMENSION,
                                 JDIMENSION);
     jvirt_sarray_ptr(*request_virt_sarray)  (j_common_ptr,  int,
boolean,
                                              JDIMENSION,
JDIMENSION,
                                              JDIMENSION);
     jvirt_barray_ptr(*request_virt_barray)  (j_common_ptr,  int,
boolean,
                                              JDIMENSION,
JDIMENSION,
                                              JDIMENSION);
    void (*realize_virt_arrays) (j_common_ptr);
     JSAMPARRAY(*access_virt_sarray)               (j_common_ptr,
jvirt_sarray_ptr,
                                        JDIMENSION,      JDIMENSION,
boolean);
     JBLOCKARRAY(*access_virt_barray)              (j_common_ptr,
jvirt_barray_ptr,
                                         JDIMENSION,     JDIMENSION,
boolean);
    void (*free_pool) (j_common_ptr, int);
    void (*self_destruct) (j_common_ptr);
    long int max_memory_to_use;
    long int max_alloc_chunk;
};
typedef struct jpeg_common_struct *j_common_ptr;
typedef unsigned char JSAMPLE;
typedef JSAMPLE *JSAMPROW;
typedef JSAMPROW *JSAMPARRAY;
typedef unsigned int JDIMENSION;
typedef short int JCOEF;
typedef JCOEF JBLOCK[64];
typedef JBLOCK *JBLOCKROW;
typedef JBLOCKROW *JBLOCKARRAY;
typedef struct jvirt_sarray_control *jvirt_sarray_ptr;
typedef int boolean;
typedef struct jvirt_barray_control *jvirt_barray_ptr;
struct jpeg_progress_mgr {
    void (*progress_monitor) (j_common_ptr);
```

```
        long int pass_counter;
        long int pass_limit;
        int completed_passes;
        int total_passes;
    };
    struct jpeg_source_mgr {
        const JOCTET *next_input_byte;
        size_t bytes_in_buffer;
        void (*init_source) (j_decompress_ptr);
         boolean(*fill_input_buffer) (j_decompress_ptr);
        void (*skip_input_data) (j_decompress_ptr, long int);
         boolean(*resync_to_restart) (j_decompress_ptr, int);
        void (*term_source) (j_decompress_ptr);
    };
    typedef unsigned char JOCTET;
    typedef struct jpeg_decompress_struct *j_decompress_ptr;
    typedef enum {
        JCS_UNKNOWN = 0,
        JCS_GRAYSCALE = 1,
        JCS_RGB = 2,
        JCS_YCbCr = 3,
        JCS_CMYK = 4,
        JCS_YCCK = 5
    } J_COLOR_SPACE;
    typedef enum {
        JDCT_ISLOW = 0,
        JDCT_IFAST = 1,
        JDCT_FLOAT = 2
    } J_DCT_METHOD;
    typedef enum {
        JDITHER_NONE = 0,
        JDITHER_ORDERED = 1,
        JDITHER_FS = 2
    } J_DITHER_MODE;
    typedef short unsigned int UINT16;
    typedef struct {
        UINT16 quantval[64];
        boolean sent_table;
    } JQUANT_TBL;
    typedef unsigned char UINT8;
    typedef struct {
        UINT8 bits[17];
        UINT8 huffval[256];
        boolean sent_table;
    } JHUFF_TBL;
    typedef struct {
        int component_id;
        int component_index;
        int h_samp_factor;
        int v_samp_factor;
        int quant_tbl_no;
        int dc_tbl_no;
        int ac_tbl_no;
        JDIMENSION width_in_blocks;
        JDIMENSION height_in_blocks;
        int DCT_scaled_size;
        JDIMENSION downsampled_width;
        JDIMENSION downsampled_height;
        boolean component_needed;
        int MCU_width;
        int MCU_height;
        int MCU_blocks;
        int MCU_sample_width;
        int last_col_width;
        int last_row_height;
        JQUANT_TBL *quant_table;
```

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```
    void *dct_table;
} jpeg_component_info;
struct jpeg_marker_struct {
    jpeg_saved_marker_ptr next;
    UINT8 marker;
    unsigned int original_length;
    unsigned int data_length;
    JOCTET *data;
};
typedef struct jpeg_marker_struct *jpeg_saved_marker_ptr;
struct jpeg_compress_struct {
    struct jpeg_error_mgr *err;
    struct jpeg_memory_mgr *mem;
    struct jpeg_progress_mgr *progress;
    void *client_data;
    boolean is_decompressor;
    int global_state;
    struct jpeg_destination_mgr *dest;
    JDIMENSION image_width;
    JDIMENSION image_height;
    int input_components;
    J_COLOR_SPACE in_color_space;
    double input_gamma;
    int data_precision;
    int num_components;
    J_COLOR_SPACE jpeg_color_space;
    jpeg_component_info *comp_info;
    JQUANT_TBL *quant_tbl_ptrs[4];
    JHUFF_TBL *dc_huff_tbl_ptrs[4];
    JHUFF_TBL *ac_huff_tbl_ptrs[4];
    UINT8 arith_dc_L[16];
    UINT8 arith_dc_U[16];
    UINT8 arith_ac_K[16];
    int num_scans;
    const jpeg_scan_info *scan_info;
    boolean raw_data_in;
    boolean arith_code;
    boolean optimize_coding;
    boolean CCIR601_sampling;
    int smoothing_factor;
    J_DCT_METHOD dct_method;
    unsigned int restart_interval;
    int restart_in_rows;
    boolean write_JFIF_header;
    UINT8 JFIF_major_version;
    UINT8 JFIF_minor_version;
    UINT8 density_unit;
    UINT16 X_density;
    UINT16 Y_density;
    boolean write_Adobe_marker;
    JDIMENSION next_scanline;
    boolean progressive_mode;
    int max_h_samp_factor;
    int max_v_samp_factor;
    JDIMENSION total_iMCU_rows;
    int comps_in_scan;
    jpeg_component_info *cur_comp_info[4];
    JDIMENSION MCUs_per_row;
    JDIMENSION MCU_rows_in_scan;
    int blocks_in_MCU;
    int MCU_membership[10];
    int Ss;
    int Se;
    int Ah;
    int Al;
    struct jpeg_comp_master *master;
```

```
    struct jpeg_c_main_controller *main;
    struct jpeg_c_prep_controller *prep;
    struct jpeg_c_coef_controller *coef;
    struct jpeg_marker_writer *marker;
    struct jpeg_color_converter *cconvert;
    struct jpeg_downsampler *downsample;
    struct jpeg_forward_dct *fdct;
    struct jpeg_entropy_encoder *entropy;
    jpeg_scan_info *script_space;
    int script_space_size;
};
struct jpeg_destination_mgr {
    JOCTET *next_output_byte;
    size_t free_in_buffer;
    void (*init_destination) (j_compress_ptr);
     boolean(*empty_output_buffer) (j_compress_ptr);
    void (*term_destination) (j_compress_ptr);
};
typedef struct jpeg_compress_struct *j_compress_ptr;
typedef struct {
    int comps_in_scan;
    int component_index[4];
    int Ss;
    int Se;
    int Ah;
    int Al;
} jpeg_scan_info;
typedef JSAMPARRAY *JSAMPIMAGE;
typedef boolean(*jpeg_marker_parser_method) (j_decompress_ptr);
extern  void  jpeg_save_markers(j_decompress_ptr,  int,  unsigned
int);
extern boolean jpeg_has_multiple_scans(j_decompress_ptr);
extern    void    jpeg_set_linear_quality(j_compress_ptr,    int,
boolean);
extern int jpeg_consume_input(j_decompress_ptr);
extern void jpeg_stdio_src(j_decompress_ptr, FILE *);
extern void jpeg_abort(j_common_ptr);
extern boolean jpeg_finish_output(j_decompress_ptr);
extern void jpeg_set_colorspace(j_compress_ptr, J_COLOR_SPACE);
extern void jpeg_copy_critical_parameters(j_decompress_ptr,
                                          j_compress_ptr);
extern                                            jvirt_barray_ptr
*jpeg_read_coefficients(j_decompress_ptr);
extern void jpeg_destroy_decompress(j_decompress_ptr);
extern  void  jpeg_write_m_header(j_compress_ptr,  int,  unsigned
int);
extern boolean jpeg_resync_to_restart(j_decompress_ptr, int);
extern       JDIMENSION       jpeg_read_raw_data(j_decompress_ptr,
JSAMPIMAGE,
                                      JDIMENSION);
extern JDIMENSION jpeg_write_raw_data(j_compress_ptr, JSAMPIMAGE,
                                      JDIMENSION);
extern JQUANT_TBL *jpeg_alloc_quant_table(j_common_ptr);
extern int jpeg_read_header(j_decompress_ptr, boolean);
extern      struct      jpeg_error_mgr      *jpeg_std_error(struct
jpeg_error_mgr *);
extern void jpeg_write_tables(j_compress_ptr);
extern void jpeg_simple_progression(j_compress_ptr);
extern void jpeg_set_marker_processor(j_decompress_ptr, int,
                                      jpeg_marker_parser_method);
extern void jpeg_suppress_tables(j_compress_ptr, boolean);
extern       JDIMENSION       jpeg_write_scanlines(j_compress_ptr,
JSAMPARRAY,
                                       JDIMENSION);
extern void jpeg_abort_decompress(j_decompress_ptr);
extern void jpeg_default_colorspace(j_compress_ptr);
```

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```
extern JHUFF_TBL *jpeg_alloc_huff_table(j_common_ptr);
extern void jpeg_abort_compress(j_compress_ptr);
extern  void  jpeg_add_quant_table(j_compress_ptr,  int,  const
unsigned int *,
                                int, boolean);
extern void jpeg_calc_output_dimensions(j_decompress_ptr);
extern void jpeg_destroy_compress(j_compress_ptr);
extern boolean jpeg_finish_decompress(j_decompress_ptr);
extern        void        jpeg_write_coefficients(j_compress_ptr,
jvirt_barray_ptr *);
extern void jpeg_set_defaults(j_compress_ptr);
extern boolean jpeg_start_decompress(j_decompress_ptr);
extern void jpeg_CreateDecompress(j_decompress_ptr, int, size_t);
extern void jpeg_new_colormap(j_decompress_ptr);
extern      JDIMENSION      jpeg_read_scanlines(j_decompress_ptr,
JSAMPARRAY,
                                     JDIMENSION);
extern int jpeg_quality_scaling(int);
extern void jpeg_finish_compress(j_compress_ptr);
extern boolean jpeg_input_complete(j_decompress_ptr);
extern void jpeg_CreateCompress(j_compress_ptr, int, size_t);
extern void jpeg_destroy(j_common_ptr);
extern boolean jpeg_start_output(j_decompress_ptr, int);
extern void jpeg_start_compress(j_compress_ptr, boolean);
extern void jpeg_set_quality(j_compress_ptr, int, boolean);
extern  void  jpeg_write_marker(j_compress_ptr,  int,  const  JOCTET
*,
                              unsigned int);
extern void jpeg_write_m_byte(j_compress_ptr, int);
extern void jpeg_stdio_dest(j_compress_ptr, FILE *);
```

9.3 Interface Definitions for libjpeg

The interfaces defined on the following pages are included in libjpeg and are defined by this specification. Unless otherwise noted, these interfaces shall be included in the source standard.

Other interfaces listed in Section 9.1 shall behave as described in the referenced base document.

jpeg_CreateCompress

Name

`jpeg_CreateCompress` — allocate and initialize a JPEG compression object

Synopsis

```
#include <jpeglib.h>
void jpeg_CreateCompress(j_compress_ptr cinfo, int version, size_t size);
```

Description

The function `jpeg_CreateCompress()` shall allocate and initialize a JPEG compression object of type struct jpeg_compress_struct. The error handler structure of type struct jpeg_error_mgr must be initialized before making a call to `jpeg_CreateCompress()`. JPEG_LIB_VERSION and size of the structure used to hold the JPEG compression object struct jpeg_compress_struct must be passed in arguments version and size respectively.

Errors

`jpeg_CreateCompress()` shall exit via the error handler if it fails to allocate memory.

jpeg_CreateDecompress

Name

`jpeg_CreateDecompress` — allocate and initialize a JPEG decompression object

Synopsis

```
#include <jpeglib.h>
void jpeg_CreateDecompress(j_decompress_ptr cinfo, int version, size_t size);
```

Description

The function `jpeg_CreateDecompress()` shall allocate and initialize a JPEG decompression object of type struct jpeg_decompress_struct. The error handler structure of type struct jpeg_error_mgr must be initialized before making a call to `jpeg_CreateDecompress()`. JPEG_LIB_VERSION and size of the structure used to hold the JPEG compression object struct jpeg_decompress_struct must be passed in arguments version and size respectively.

Errors

`jpeg_CreateDecompress()` shall exit via the error handler if it fails to allocate memory.

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jpeg_abort

Name

`jpeg_abort` — aborts the compression or decompression cycle

Synopsis

```
#include <jpeglib.h>
void jpeg_abort(j_common_ptr cinfo);
```

Description

The function jpeg_abort() shall abort the processing of a compression or decompression operation. The function shall return the given object to an idle state releasing any working memory. The object may be reused after a call to jpeg_abort().

jpeg_abort_compress

Name

`jpeg_abort_compress` — abort processing of JPEG compression operation

Synopsis

```
#include <jpeglib.h>
void jpeg_abort_compress(j_compress_ptr cinfo);
```

Description

The function jpeg_abort_compress() shall abort the processing of a JPEG compression operation. The function shall return the given compression object to an idle state releasing any working memory. The compression object may be reused after a call to jpeg_abort_compress().

jpeg_abort_decompress

Name

`jpeg_abort_decompress` — abort processing of JPEG decompression operation

Synopsis

```
#include <jpeglib.h>
void jpeg_abort_decompress(j_decompress_ptr cinfo);
```

Description

The function jpeg_abort_decompress() shall abort the processing of a JPEG decompression operation. The function shall return the given decompression object to an idle state releasing any working memory. The decompression object may be reused after a call to jpeg_abort_decompress().

jpeg_add_quant_table

Name

`jpeg_add_quant_table` — add a quantization table

Synopsis

```
#include <jpeglib.h>
void jpeg_add_quant_table(j_compress_ptr cinfo, int table_slot, const unsigned int * basic_table, int scale_factor, boolean force_baseline);
```

Description

The function jpeg_add_quant_table() shall add a quantization table parameter at the "table_slot" index of the quantization table array. "basic_table" points to an array of 64 unsigned ints given in normal array order. These values are multiplied by "scale_factor"/100. The values are limited to the range 1..65535. If "force_baseline" is TRUE, the computed quantization table entries are limited to 1..255 for JPEG baseline compatibility.

Errors

jpeg_add_quant_table() shall return error and exit if "table_slot" is >= NUM_QUANT_TBLS. jpeg_add_quant_table() shall return error and exit if the state of the compression object indicates that the compression cycle has started.

jpeg_alloc_huff_table

Name

`jpeg_alloc_huff_table` — allocate Huffman table

Synopsis

```
#include <jpeglib.h>
JHUFF_TBL * jpeg_alloc_huff_table(j_common_ptr cinfo);
```

Description

jpeg_alloc_huff_table() shall allocate memory for a structure holding Huffman coding table.

Return Value

jpeg_alloc_huff_table() shall return a pointer to allocated data structure for the Huffman coding table.

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jpeg_alloc_quant_table

Name

`jpeg_alloc_quant_table` — allocate quantization table

Synopsis

```
#include <jpeglib.h>
JQUANT_TBL * jpeg_alloc_quant_table(j_common_ptr cinfo);
```

Description

jpeg_alloc_quant_table() shall allocate memory for a structure holding quantization table.

Return Value

jpeg_alloc_quant_table() shall return a pointer to allocated data structure for the quantization table.

jpeg_calc_output_dimensions

Name

`jpeg_calc_output_dimensions` — compute output image dimensions

Synopsis

```
#include <jpeglib.h>
void jpeg_calc_output_dimensions(j_decompress_ptr cinfo);
```

Description

jpeg_calc_output_dimensions() computes the output image dimensions based on the current compression parameter settings in the compression object. The following dimensions shall be computed:

`output_width`

actual width of output image

`output_height`

actual height of output image

`out_color_components`

number of color components in out_color_space

`output_components`

number of color components returned

`rec_outbuf_height`

recommended height of scanline buffer

jpeg_consume_input

Name

`jpeg_consume_input` — decode input data

Synopsis

```
#include <jpeglib.h>
int jpeg_consume_input(j_decompress_ptr cinfo);
```

Description

jpeg_consume_input() shall decode the input data as it arrives, even if it is not to be displayed.

Return Value

jpeg_consume_input() shall return with one of the following return codes:

JPEG_REACHED_SOS

reached SOS marker

JPEG_REACHED_EOI

reached EOI marker

JPEG_ROW_COMPLETED

completed reading one MCU row of compressed data

JPEG_SCAN_COMPLETED

completed reading last MCU row of compressed scan

JPEG_SUSPENDED

if data source module requests suspension of the decompressor.

jpeg_copy_critical_parameters

Name

`jpeg_copy_critical_parameters` — copy critical compression parameters from source decompression object

Synopsis

```
#include <jpeglib.h>
void jpeg_copy_critical_parameters(j_decompress_ptr srcinfo,
j_compress_ptr dstinfo);
```

Description

jpeg_copy_critical_parameters() shall initialize the compression object with default parameters, then copy the parameters needed for lossless transcoding from the source decompression object.

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jpeg_default_colorspace

Name

`jpeg_default_colorspace` — set default colorspace based on input image's color space

Synopsis

```
#include <jpeglib.h>
void jpeg_default_colorspace(j_compress_ptr cinfo);
```

Description

jpeg_default_colorspace() shall set the JPEG color space to a default value based on the color space of the input image.

jpeg_destroy

Name

`jpeg_destroy` — deallocation of a JPEG object

Synopsis

```
#include <jpeglib.h>
void jpeg_destroy(j_common_ptr cinfo);
```

Description

The function jpeg_destroy() shall deallocate and release all memory associated with the JPEG object. The object itself and the error manager struct allocated by the application should not be freed by this function.

jpeg_destroy_compress

Name

`jpeg_destroy_compress` — deallocate a JPEG compression object

Synopsis

```
#include <jpeglib.h>
void jpeg_destroy_compress(j_compress_ptr cinfo);
```

Description

The function jpeg_destroy_compress() shall deallocate and release all memory associated with the compression object. The jpeg_compress_struct itself and the error manager struct allocated by the application should not be freed by this function.

jpeg_destroy_decompress

Name

`jpeg_destroy_decompress` — deallocate a JPEG decompression object

Synopsis

```
#include <jpeglib.h>
void jpeg_destroy_decompress(j_decompress_ptr cinfo);
```

Description

The function jpeg_destroy_decompress() shall deallocate and release all memory associated with the decompression object. The jpeg_decompress_struct itself and the error manager struct allocated by the application should not be freed by this function.

jpeg_finish_compress

Name

`jpeg_finish_compress` — complete the compression cycle

Synopsis

```
#include <jpeglib.h>
void jpeg_finish_compress(j_compress_ptr cinfo);
```

Description

The function jpeg_finish_compress() shall set the compression state to completion. Any remaining bufferload of data shall be written to the data destination. jpeg_finish_compress() shall also release working memory associated with the JPEG object.

Errors

jpeg_finish_compress() shall return error if the function is invoked before writing the specified number of scanlines.

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jpeg_finish_decompress

Name

`jpeg_finish_decompress` — complete decompression cycle

Synopsis

```
#include <jpeglib.h>
boolean jpeg_finish_decompress(j_decompress_ptr cinfo);
```

Description

The function jpeg_finish_decompress() shall set the decompression state to completion. Any remaining input data shall be decoded and consumed. jpeg_finish_decompress() shall also release working memory associated with the JPEG object.

Return Value

jpeg_finish_decompress() shall return FALSE if data source requests suspension of the decompressor. Otherwise, jpeg_finish_decompress() shall return TRUE.

Errors

jpeg_finish_decompress() shall return error if the function is invoked before reading the specified number of scanlines.

jpeg_finish_output

Name

`jpeg_finish_output` — complete pass in buffered-image mode

Synopsis

```
#include <jpeglib.h>
boolean jpeg_finish_output(j_decompress_ptr cinfo);
```

Description

jpeg_start_output() shall change state for completion of an output pass in buffered-image mode. The scan number shall be incremented if the end-of-image marker is not reached.

Return Value

jpeg_finish_output() shall return FALSE if decompression is suspended. Otherwise, jpeg_finish_output() shall return TRUE.

jpeg_has_multiple_scans

Name

`jpeg_has_multiple_scans` — test if input image has multiple scans

Synopsis

```
#include <jpeglib.h>
boolean jpeg_has_multiple_scans(j_decompress_ptr cinfo);
```

Description

jpeg_has_multiple_scans() shall return TRUE if the incoming image file has more than one scan.

Return Value

TRUE for multiple scans, FALSE otherwise.

jpeg_input_complete

Name

`jpeg_input_complete` — test for end-of-image

Synopsis

```
#include <jpeglib.h>
boolean jpeg_input_complete(j_decompress_ptr cinfo);
```

Description

jpeg_input_complete() shall return TRUE if the end-of-image marker has not been read for the input image file.

Return Value

TRUE if reached EOI, FALSE otherwise.

jpeg_new_colormap

Name

`jpeg_new_colormap` — switch to a new external colormap between output passes

Synopsis

```
#include <jpeglib.h>
void jpeg_new_colormap(j_decompress_ptr cinfo);
```

Description

jpeg_new_colormap() shall select 2-pass quantizer for using an external colormap and notify the quantizer of the switch to a colormap that is different from the one used in the previous pass. The new colormap must be set using cinfo.colormap before a call to jpeg_new_colormap().

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jpeg_quality_scaling

Name

`jpeg_quality_scaling` — convert quality scaling to percentage scaling factor

Synopsis

```
#include <jpeglib.h>
int jpeg_quality_scaling(int quality);
```

Description

The function jpeg_quality_scaling() shall convert a user-specified quality rating to a percentage scaling factor for an underlying quantization table, using IJG-recommended scaling curve. The input "quality" factor ranges from 0 to 100.

Return Value

jpeg_quality_scaling() shall return the integer value of quality as a percentage.

jpeg_read_coefficients

Name

`jpeg_read_coefficients` — read the contents of JPEG file as DCT coefficients

Synopsis

```
#include <jpeglib.h>
jvirt_barray_ptr * jpeg_read_coefficients(j_decompress_ptr cinfo);
```

Description

jpeg_read_coefficients() shall return the contents of the JPEG image file as DCT coefficients. The entire image shall be read as a set of virtual coefficient-block arrays, one array per component. The return value is a pointer to an array of virtual-array descriptors.

Each block in the block arrays shall contain quantized coefficient values in normal array order and not JPEG zigzag order. The block arrays shall contain only DCT blocks containing real data; any entirely-dummy blocks added to fill out interleaved MCUs at the right or bottom edges of the image shall be discarded during reading and shall not be stored in the block arrays. The size of each block array can be determined from the width_in_blocks and height_in_blocks fields of the component's comp_info entry.

Return Value

jpeg_read_coefficients() shall return a pointer to an array of virtual-array descriptors containing DCT coefficients.

jpeg_read_header

Name

`jpeg_read_header` — read start of JPEG datastream

Synopsis

```
#include <jpeglib.h>
int jpeg_read_header(j_decompress_ptr cinfo, boolean require_image);
```

Description

The function jpeg_read_header() shall read the JPEG datastream until the first SOS marker is encountered. The function shall initialize all decompression parameters to default values and save all tables and parameters in the decompression object structure.

Return Value

jpeg_read_header() shall return with one of the following return codes:

JPEG_HEADER_OK

if SOS marker is reached

JPEG_HEADER_TABLES_ONLY

for an abbreviated input image, if EOI is reached

JPEG_SUSPENDED

if data source module requests suspension of the decompressor.

Errors

jpeg_read_header() returns error if it encounters end-of-image and require_image is TRUE.

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jpeg_read_raw_data

Name

`jpeg_read_raw_data` — read raw downsampled image data

Synopsis

```
#include <jpeglib.h>
JDIMENSION jpeg_read_raw_data(j_decompress_ptr cinfo, JSAMPIMAGE data, JDIMENSION max_lines);
```

Description

jpeg_read_raw_data() shall return upto max_lines number of scanlines of raw downsampled data into the JSAMPIMAGE array argument. The data buffer must be of atleast max_v_samp_factor*DCTSIZE scanlines as jpeg_read_raw_data() shall return one MCU row per call.

The passed max_lines value must be atleast (cinfo->max_v_samp_factor * DCTSIZE). Before starting the decompression sequence, cinfo->raw_data_out must be set to TRUE.

Return Value

jpeg_read_raw_data() shall return the number of scanlines processed. jpeg_read_raw_data() shall return 0 if the data source is suspended.

Errors

jpeg_read_raw_data() shall report error and exit if max_lines is less than (cinfo->max_v_samp_factor*DCTSIZE).

jpeg_read_scanlines

Name

`jpeg_read_scanlines` — read scanlines of data from JPEG decompressor

Synopsis

```
#include <jpeglib.h>
JDIMENSION jpeg_read_scanlines(j_decompress_ptr cinfo, JSAMPARRAY scanlines, JDIMENSION max_lines);
```

Description

jpeg_read_scanlines() shall return upto the maximum number of scanlines of decompressed image data. This may be less than the number requested in cases such as bottom of image, data source suspension, and operating modes that emit multiple scanlines at a time. Image data shall be returned in top-to-bottom scanline order.

Return Value

On success, jpeg_read_scanlines() shall return the number of lines actually read.

Errors

jpeg_read_scanlines() shall report a non-fatal error if the requested number of scanlines is greater than the height of the original unscaled image.

jpeg_resync_to_restart

Name

`jpeg_resync_to_restart` — resync if marker other than expected restart marker found

Synopsis

```
#include <jpeglib.h>
boolean jpeg_resync_to_restart(j_decompress_ptr cinfo, int desired);
```

Description

jpeg_resync_to_restart() is the default resync procedure that a data source manager can invoke when the decompressor fails to find a restart (RSTn) marker where one is expected. The function shall find a suitable point for resuming decompression and position the input stream to the next data segment. The desired restart marker number (0..7) is passed as argument "desired".

Return Value

jpeg_resync_to_restart() shall return FALSE if decompression is suspended. Otherwise, jpeg_start_output() shall return TRUE.

jpeg_save_markers

Name

`jpeg_save_markers` — save the contents of special markers

Synopsis

```
#include <jpeglib.h>
void jpeg_save_markers(j_decompress_ptr cinfo, int marker_code,
unsigned int length_limit);
```

Description

jpeg_save_markers() shall obtain length_limit bytes of special markers of type specified by marker_code. The marker_code shall take one of the following values: JPEG_COM, JPEG_APP0 - JPEG_APP15. The marker contents shall be stored in the marker field of cinfo. If length_limit is 0xFFFF, all marker bytes are saved.

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jpeg_set_colorspace

Name

`jpeg_set_colorspace` — set JPEG file's colorspace

Synopsis

```
#include <jpeglib.h>
void jpeg_set_colorspace(j_compress_ptr cinfo, J_COLOR_SPACE colorspace);
```

Description

jpeg_set_colorspace() shall set the JPEG file's colorspace to the given color space. The function may change the value of other compression parameters that are dependent on color space.

Errors

jpeg_set_colorspace() shall return error and exit if the state of the compression object indicates that the compression cycle has started.

jpeg_set_defaults

Name

`jpeg_set_defaults` — set compression parameters to default values

Synopsis

```
#include <jpeglib.h>
void jpeg_set_defaults(j_compress_ptr cinfo);
```

Description

The function jpeg_set_defaults() shall set all JPEG compression parameters to default values using the input image's color space.

Errors

jpeg_set_defaults() shall return error and exit if the state of the compression object indicates that the compression cycle has started.

jpeg_set_linear_quality

Name

`jpeg_set_linear_quality` — construct JPEG quantization tables for indicated scale factor

Synopsis

```
#include <jpeglib.h>
void jpeg_set_linear_quality(j_compress_ptr cinfo, int scale_factor,
boolean force_baseline);
```

Description

The function jpeg_set_linear_quality() shall construct JPEG quantization tables from the sample table values in JPEG specification Section K.1, multiplied by the given percentage scale factor. If "force_baseline" is TRUE, the computed quantization table entries are limited to 1..255 for JPEG baseline compatibility.

jpeg_set_marker_processor

Name

`jpeg_set_marker_processor` — set processor method for COM or APPn markers

Synopsis

```
#include <jpeglib.h>
void jpeg_set_marker_processor(j_decompress_ptr cinfo, int
marker_code, jpeg_marker_parser_method routine);
```

Description

jpeg_set_marker_processor() shall set a marker processor routine having signature boolean `jpeg_marker_parser_method()` j_decompress_ptr *cinfo* The marker processor routine must return TRUE if the marker and its parameters are processed completely. The routine must return FALSE if it is forced to suspend before reaching the end of marker parameters.

jpeg_set_quality

Name

`jpeg_set_quality` — construct JPEG quantization tables for indicated quality

Synopsis

```
#include <jpeglib.h>
void jpeg_set_quality(j_compress_ptr cinfo, int quality, boolean
force_baseline);
```

Description

The function jpeg_set_quality() shall construct JPEG quantization tables for the given quality setting. The quality value ranges from 0..100. If "force_baseline" is TRUE, the computed quantization table entries are limited to 1..255 for JPEG baseline compatibility.

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jpeg_simple_progression

Name

`jpeg_simple_progression` — generate scan script for writing progressive JPEG file

Synopsis

```
#include <jpeglib.h>
void jpeg_simple_progression(j_compress_ptr cinfo);
```

Description

The function jpeg_simple_progression() shall generate a default scan script for writing a progressive JPEG file.

jpeg_start_compress

Name

`jpeg_start_compress` — initialize a compression cycle

Synopsis

```
#include <jpeglib.h>
void jpeg_start_compress(j_compress_ptr cinfo, boolean
write_all_tables);
```

Description

The function jpeg_start_compress() shall initialize state for a JPEG compression cycle. The compression parameters, data destination and source image information must be set prior to the invocation of jpeg_start_compress(). Setting write_all_tables to TRUE shall indicate that a complete JPEG interchange datastream will be written and all Huffman tables shall be emited. If write_all_tables is set to FALSE, the default behavior shall be to emit a pure abbreviated image with no tables.

jpeg_start_decompress

Name

`jpeg_start_decompress` — initialize a decompression cycle

Synopsis

```
#include <jpeglib.h>
boolean jpeg_start_decompress(j_decompress_ptr cinfo);
```

Description

The function jpeg_start_decompress() shall initialize state for a JPEG decompression cycle and allocate working memory. The JPEG datastream header must be read prior to the invokation of jpeg_start_decompress() to obtain the parameters for decompression.

jpeg_start_output

Name

`jpeg_start_output` — initialize for a pass in buffered-image mode

Synopsis

```
#include <jpeglib.h>
boolean jpeg_start_output(j_decompress_ptr cinfo, int scan_number);
```

Description

jpeg_start_output() shall initialize state for an output pass in buffered-image mode. The scan_number indicates the scan of the image to be displayed. Scan numbers start from 1. The buffered-image mode must be selected before starting an output pass by setting cinfo.buffered_image = TRUE.

Return Value

jpeg_start_output() shall return FALSE if decompression is suspended. Otherwise, jpeg_start_output() shall return TRUE.

jpeg_std_error

Name

`jpeg_std_error` — update error manager with error handling routines

Synopsis

```
#include <jpeglib.h>
struct jpeg_error_mgr * jpeg_std_error(struct jpeg_error_mgr *
error_mgr);
```

Description

jpeg_std_error() shall update the given jpeg_error_mgr object with standard error handling methods.

Return Value

jpeg_std_error() shall return the updated jpeg_error_mgr object.

jpeg_stdio_dest

Name

`jpeg_stdio_dest` — Initialize state for output to stdio stream

Synopsis

```
#include <jpeglib.h>
void jpeg_stdio_dest(j_compress_ptr cinfo, FILE * outfile);
```

Description

jpeg_stdio_dest() shall initialize state for output to the given stdio stream outfile. The stream outfile must be in open state.

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jpeg_stdio_src

Name

`jpeg_stdio_src` — Initialize state for input from stdio stream

Synopsis

```
#include <jpeglib.h>
void jpeg_stdio_src(j_decompress_ptr cinfo, FILE * infile);
```

Description

jpeg_stdio_src() shall initialize state for input from the given stdio stream infile. The stream infile must be in open state.

jpeg_suppress_tables

Name

`jpeg_suppress_tables` — control quantization and Huffman table suppression

Synopsis

```
#include <jpeglib.h>
void jpeg_suppress_tables(j_compress_ptr cinfo, boolean suppress);
```

Description

The function jpeg_suppress_tables() forcibly suppress or un-suppresses all quantization and Huffman tables. If "suppress" is TRUE, the function shall mark all currently defined tables as already written. Otherwise, the tables will be marked as not written. This controls the emission of tables on subsequent calls to jpeg_start_compress().

jpeg_write_coefficients

Name

`jpeg_write_coefficients` — Compression initialization for writing raw-coefficient data

Synopsis

```
#include <jpeglib.h>
void jpeg_write_coefficients(j_compress_ptr cinfo, jvirt_barray_ptr
* coeff_arrays);
```

Description

jpeg_write_coefficients() shall write the contents of the JPEG file as DCT coefficients. The DCT coefficients shall be obtained from the array of virtual block array descriptors pointed to be "coeff_arrays". The number of arrays to be written is obtained from cinfo.num_components. Note: The virtual arrays may not be realized before jpeg_write_coefficients() is called. The virtual arrays requested from the compression object's memory manager may be realized by calling jpeg_write_coefficients() as a side-effect.

jpeg_write_m_byte

Name

`jpeg_write_m_byte` — emit a byte of special marker data

Synopsis

```
#include <jpeglib.h>
void jpeg_write_m_byte(j_compress_ptr cinfo, int val);
```

Description

jpeg_write_m_byte() shall emit a byte of marker data equal to "val".

jpeg_write_m_header

Name

`jpeg_write_m_header` — emit header for special marker

Synopsis

```
#include <jpeglib.h>
void jpeg_write_m_header(j_compress_ptr cinfo, int marker, unsigned
int datalen);
```

Description

jpeg_write_marker_header() shall emit the marker header. The marker header consists of the marker code derived from "marker" followed by the length of marker data "datalen".

jpeg_write_marker

Name

`jpeg_write_marker` — write special marker data

Synopsis

```
#include <jpeglib.h>
void jpeg_write_marker(j_compress_ptr cinfo, int marker, const
JOCTET * dataptr, unsigned int datalen);
```

Description

jpeg_write_marker() shall emit the marker header and "datalen" number of marker bytes obtained from "*dataptr". The marker header consists of the marker code followed by the length of marker data.

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jpeg_write_raw_data

Name

`jpeg_write_raw_data` — write raw downsampled image data

Synopsis

```
#include <jpeglib.h>
JDIMENSION jpeg_write_raw_data(j_compress_ptr cinfo, JSAMPIMAGE data, JDIMENSION num_lines);
```

Description

jpeg_write_raw_data() shall write the compressed image data for raw downsampled data supplied in the JSAMPIMAGE array argument. The number of scanlines passed in num_lines to jpeg_write_raw_data() is measured in terms of the component with the largest v_samp_factor.

If the image dimensions are not a multiple of the MCU size, the data must be padded to a multiple of a DCT block in each component, such that each downsampled row must contain a multiple of 8 valid samples, and there must be a multiple of 8 sample rows for each component. Data must be padded so that the passed num_lines value is atleast (cinfo->max_v_samp_factor * DCTSIZE). jpeg_write_raw_data() shall process one MCU row per call which is (cinfo->comp_info[0].v_samp_factor*DCTSIZE) sample rows of each component.

Before starting the compression sequence, cinfo->raw_data_in must be set to TRUE. cinfo->jpeg_color_space must be set to colorspace to be used in the JPEG file. The sampling factors, cinfo->comp_info[i].h_samp_factor and cinfo->comp_info[i].v_samp_factor must be set to the dimensions of the supplied data.

Return Value

jpeg_write_raw_data() shall return the number of scanlines processed. jpeg_write_raw_data() shall return 0 if the compressor is suspended.

Errors

jpeg_write_raw_data() shall report error and exit if num_lines is less than (cinfo->max_v_samp_factor*DCTSIZE).

jpeg_write_scanlines

Name

`jpeg_write_scanlines` — write scanlines of data to JPEG compressor

Synopsis

```
#include <jpeglib.h>
JDIMENSION jpeg_write_scanlines(j_compress_ptr cinfo, JSAMPARRAY scanlines, JDIMENSION num_lines);
```

Description

jpeg_write_scanlines() shall write the number of scanlines of image data to be compressed from in-memory buffers. The image data shall be written in top-to-bottom scanline order.

Return Value

On success, jpeg_read_scanlines() shall return the number of lines actually written.

Errors

jpeg_write_scanlines() shall report a non-fatal error if the requested number of scanlines is greater than the height of the original unscaled image.

jpeg_write_tables

Name

`jpeg_write_tables` — create a tables-only file

Synopsis

```
#include <jpeglib.h>
void jpeg_write_tables(j_compress_ptr cinfo);
```

Description

jpeg_write_tables() shall create a tables-only file by writing an abbreviated datastream containing only SOI, DQT and/or DHT and EOI markers. All the quantization and Huffman tables currently defined in the compression object shall be emitted unless their sent_table flag is set to TRUE. Once emitted, sent_table flag shall be set for all tables written.

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VI Fontconfig library

10 Libraries

10.1 Interfaces for libfontconfig

Table 10-1 defines the library name and shared object name for the libfontconfig library

Table 10-1 libfontconfig Definition

Library:	libfontconfig
SONAME:	libfontconfig.so.1

The behavior of the interfaces in this library is specified by the following specifications:

[fontconfig] Fontconfig Developers Reference

10.1.1 Font Customization and Configuration Library

10.1.1.1 Interfaces for Font Customization and Configuration Library

An LSB conforming implementation shall provide the generic functions for Font Customization and Configuration Library specified in Table 10-2, with the full mandatory functionality as described in the referenced underlying specification.

Table 10-2 libfontconfig - Font Customization and Configuration Library Function Interfaces

FcAtomicCreate [fontconfig]	FcAtomicDeleteNew [fontconfig]	FcAtomicDestroy [fontconfig]
FcAtomicLock [fontconfig]	FcAtomicNewFile [fontconfig]	FcAtomicOrigFile [fontconfig]
FcAtomicReplaceOrig [fontconfig]	FcAtomicUnlock [fontconfig]	FcBlanksAdd [fontconfig]
FcBlanksCreate [fontconfig]	FcBlanksDestroy [fontconfig]	FcBlanksIsMember [fontconfig]
FcCharSetAddChar [fontconfig]	FcCharSetCopy [fontconfig]	FcCharSetCount [fontconfig]
FcCharSetCreate [fontconfig]	FcCharSetDestroy [fontconfig]	FcCharSetEqual [fontconfig]
FcCharSetFirstPage [fontconfig]	FcCharSetHasChar [fontconfig]	FcCharSetIntersect [fontconfig]
FcCharSetIntersectCount [fontconfig]	FcCharSetIsSubset [fontconfig]	FcCharSetNextPage [fontconfig]
FcCharSetSubtract [fontconfig]	FcCharSetSubtractCount [fontconfig]	FcCharSetUnion [fontconfig]
FcConfigAppFontAddDir [fontconfig]	FcConfigAppFontAddFile [fontconfig]	FcConfigAppFontClear [fontconfig]

FcConfigBuildFonts [fontconfig]	FcConfigDestroy [fontconfig]	FcConfigEnableHome [fontconfig]
FcConfigFilename [fontconfig]	FcConfigGetBlanks [fontconfig]	FcConfigGetCache [fontconfig]
FcConfigGetConfigDirs [fontconfig]	FcConfigGetConfigFiles [fontconfig]	FcConfigGetCurrent [fontconfig]
FcConfigGetFontDirs [fontconfig]	FcConfigGetFonts [fontconfig]	FcConfigGetRescanInve rval [fontconfig]
FcConfigHome [fontconfig]	FcConfigParseAndLoad [fontconfig]	FcConfigSetCurrent [fontconfig]
FcConfigSetRescanInve rval [fontconfig]	FcConfigSubstitute [fontconfig]	FcConfigSubstituteWith Pat [fontconfig]
FcConfigUptoDate [fontconfig]	FcDefaultSubstitute [fontconfig]	FcDirCacheValid [fontconfig]
FcDirSave [fontconfig]	FcDirScan [fontconfig]	FcFileScan [fontconfig]
FcFontList [fontconfig]	FcFontMatch [fontconfig]	FcFontRenderPrepare [fontconfig]
FcFontSetAdd [fontconfig]	FcFontSetCreate [fontconfig]	FcFontSetDestroy [fontconfig]
FcFontSetList [fontconfig]	FcFontSetMatch [fontconfig]	FcFontSetPrint [fontconfig]
FcFontSetSort [fontconfig]	FcFontSetSortDestroy [fontconfig]	FcFontSort [fontconfig]
FcFreeTypeCharIndex [fontconfig]	FcFreeTypeCharSet [fontconfig]	FcFreeTypeCharSetAnd Spacing [fontconfig]
FcFreeTypeQuery [fontconfig]	FcGetVersion [fontconfig]	FcInit [fontconfig]
FcInitBringUptoDate [fontconfig]	FcInitLoadConfig [fontconfig]	FcInitLoadConfigAndF onts [fontconfig]
FcInitReinitialize [fontconfig]	FcLangSetAdd [fontconfig]	FcLangSetCompare [fontconfig]
FcLangSetContains [fontconfig]	FcLangSetCopy [fontconfig]	FcLangSetCreate [fontconfig]
FcLangSetDestroy [fontconfig]	FcLangSetEqual [fontconfig]	FcLangSetHasLang [fontconfig]
FcLangSetHash [fontconfig]	FcMatrixCopy [fontconfig]	FcMatrixEqual [fontconfig]
FcMatrixMultiply [fontconfig]	FcMatrixRotate [fontconfig]	FcMatrixScale [fontconfig]
FcMatrixShear [fontconfig]	FcNameConstant [fontconfig]	FcNameGetConstant [fontconfig]
FcNameGetObjectType	FcNameParse	FcNameRegisterConsta

[fontconfig]	[fontconfig]	nts [fontconfig]
FcNameRegisterObject Types [fontconfig]	FcNameUnparse [fontconfig]	FcNameUnregisterCons tants [fontconfig]
FcNameUnregisterObje ctTypes [fontconfig]	FcObjectSetAdd [fontconfig]	FcObjectSetBuild [fontconfig]
FcObjectSetCreate [fontconfig]	FcObjectSetDestroy [fontconfig]	FcObjectSetVaBuild [fontconfig]
FcPatternAdd [fontconfig]	FcPatternAddBool [fontconfig]	FcPatternAddCharSet [fontconfig]
FcPatternAddDouble [fontconfig]	FcPatternAddFTFace [fontconfig]	FcPatternAddInteger [fontconfig]
FcPatternAddLangSet [fontconfig]	FcPatternAddMatrix [fontconfig]	FcPatternAddString [fontconfig]
FcPatternAddWeak [fontconfig]	FcPatternBuild [fontconfig]	FcPatternCreate [fontconfig]
FcPatternDel [fontconfig]	FcPatternDestroy [fontconfig]	FcPatternDuplicate [fontconfig]
FcPatternEqual [fontconfig]	FcPatternEqualSubset [fontconfig]	FcPatternGet [fontconfig]
FcPatternGetBool [fontconfig]	FcPatternGetCharSet [fontconfig]	FcPatternGetDouble [fontconfig]
FcPatternGetFTFace [fontconfig]	FcPatternGetInteger [fontconfig]	FcPatternGetLangSet [fontconfig]
FcPatternGetMatrix [fontconfig]	FcPatternGetString [fontconfig]	FcPatternHash [fontconfig]
FcPatternPrint [fontconfig]	FcPatternReference [fontconfig]	FcPatternVaBuild [fontconfig]
FcStrBasename [fontconfig]	FcStrCmp [fontconfig]	FcStrCmpIgnoreCase [fontconfig]
FcStrCopy [fontconfig]	FcStrCopyFilename [fontconfig]	FcStrDirname [fontconfig]
FcStrListCreate [fontconfig]	FcStrListDone [fontconfig]	FcStrListNext [fontconfig]
FcStrSetAdd [fontconfig]	FcStrSetAddFilename [fontconfig]	FcStrSetCreate [fontconfig]
FcStrSetDel [fontconfig]	FcStrSetDestroy [fontconfig]	FcStrSetEqual [fontconfig]
FcStrSetMember [fontconfig]	FcUcs4ToUtf8 [fontconfig]	FcUtf16Len [fontconfig]
FcUtf16ToUcs4 [fontconfig]	FcUtf8Len [fontconfig]	FcUtf8ToUcs4 [fontconfig]
FcValueDestroy	FcValueEqual	FcValuePrint

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[fontconfig]	[fontconfig]	[fontconfig]
FcValueSave [fontconfig]		

10.2 Data Definitions for libfontconfig

This section defines global identifiers and their values that are associated with interfaces contained in libfontconfig. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and application developers should use this ABI to supplement - not to replace - source interface definition specifications.

This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

10.2.1 fontconfig/fcfreetype.h

```
extern FcResult FcPatternGetFTFace(const FcPattern *, const char
*, int,
                                   FT_Face *);
extern FcBool FcPatternAddFTFace(FcPattern *, const char *, const
FT_Face);
extern FT_UInt FcFreeTypeCharIndex(FT_Face, FcChar32);
extern FcCharSet *FcFreeTypeCharSet(FT_Face, FcBlanks *);
extern  FcCharSet  *FcFreeTypeCharSetAndSpacing(FT_Face,  FcBlanks
*, int *);
```

10.2.2 fontconfig/fcprivate.h

```
#define FcObjectSetVapBuild(__ret__,__first__,__va__)    \
        { FcObjectSet *__os__; const char *__ob__; __ret__ = 0;
__os__ = \
        FcObjectSetCreate     ();     if     (!__os__)     goto
_FcObjectSetVapBuild_bail0; \
        __ob__ = __first__; while (__ob__) { if (!FcObjectSetAdd
(__os__, \
        __ob__)) goto _FcObjectSetVapBuild_bail1; __ob__ = va_arg
(__va__, \
        const     char     *);     }     __ret__     =     __os__;
_FcObjectSetVapBuild_bail1: if \
        (!__ret__ && __os__) FcObjectSetDestroy (__os__); \
        _FcObjectSetVapBuild_bail0: ; }
#define FcPatternVapBuild(result,orig,va)        \
        { FcPattern *__p__ = (orig); const char *__o__; FcValue
__v__; if \
        (!__p__) { __p__ = FcPatternCreate (); if (!__p__) goto \
        _FcPatternVapBuild_bail0;  }  for  (;;)  {  __o__  =  va_arg
(va, const char \
```

```
        *); if (!__o__) break; __v__.type = va_arg (va, FcType);
switch \
        (__v__.type)      {      case      FcTypeVoid:      goto
_FcPatternVapBuild_bail1; case \
        FcTypeInteger: __v__.u.i = va_arg (va, int); break; case
FcTypeDouble: \
        __v__.u.d   =   va_arg   (va,   double);   break;   case
FcTypeString: __v__.u.s = \
        va_arg (va, FcChar8 *); break; case FcTypeBool: __v__.u.b
= va_arg \
        (va,  FcBool);  break;  case  FcTypeMatrix:  __v__.u.m  =
va_arg (va, \
        FcMatrix  *);  break;  case  FcTypeCharSet:  __v__.u.c  =
va_arg (va, \
        FcCharSet  *);  break;  case  FcTypeFTFace:  __v__.u.f  =
va_arg (va, \
        FT_Face); break; case FcTypeLangSet: __v__.u.l = va_arg
(va, FcLangSet \
        *);  break;  }  if  (!FcPatternAdd  (__p__,  __o__,  __v__,
FcTrue)) goto \
        _FcPatternVapBuild_bail1; } result = __p__; goto \
        _FcPatternVapBuild_return;  _FcPatternVapBuild_bail1:  if
(!orig) \
        FcPatternDestroy    (__p__);    _FcPatternVapBuild_bail0:
result = (void*)0; \
        _FcPatternVapBuild_return: ; }
```

10.2.3 fontconfig/fontconfig.h

```
#define _FCFUNCPROTOBEGIN
#define _FCFUNCPROTOEND
#define FC_USER_CACHE_FILE      ".fonts.cache-"FC_CACHE_VERSION
#define FC_DIR_CACHE_FILE       "fonts.cache-"FC_CACHE_VERSION
#define FcIsUpper(c)    ((0101 <= (c) && (c) <= 0132))
#define FcIsLower(c)    ((0141 <= (c) && (c) <= 0172))
#define FC_CHARSET_DONE ((FcChar32) -1)
#define FC_VERSION       ((FC_MAJOR * 10000) + (FC_MINOR * 100) +
(FC_REVISION))
#define FcMatrixInit(m) ((m)->xx = (m)->yy = 1, (m)->xy = (m)->yx
= 0)
#define FC_CHARSET_MAP_SIZE     (256/32)
#define FcToLower(c)    (FcIsUpper(c) ? (c) - 0101 + 0141 : (c))
#define FC_HINT_NONE    0
#define FC_PROPORTIONAL 0
#define FC_RGBA_UNKNOWN 0
#define FC_SLANT_ROMAN  0
#define FC_WEIGHT_THIN  0
#define FcFalse 0
#define FC_CACHE_VERSION        "1"
#define FC_HINT_SLIGHT  1
#define FC_RGBA_RGB     1
#define FcTrue  1
#define FC_MONO 100
#define FC_SLANT_ITALIC 100
#define FC_WEIGHT_MEDIUM        100
#define FC_WIDTH_NORMAL 100
#define FC_CHARCELL     110
#define FC_SLANT_OBLIQUE        110
#define FC_WIDTH_SEMIEXPANDED   113
#define FC_WIDTH_EXPANDED       125
#define FC_WIDTH_EXTRAEXPANDED  150
#define FC_WEIGHT_DEMIBOLD      180
#define FC_HINT_MEDIUM  2
#define FC_MAJOR        2
#define FC_REVISION     2
```

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```
#define FC_RGBA_BGR     2
#define FC_WEIGHT_BOLD  200
#define FC_WIDTH_ULTRAEXPANDED  200
#define FC_WEIGHT_EXTRABOLD     205
#define FC_WEIGHT_BLACK 210
#define FC_HINT_FULL    3
#define FC_MINOR        3
#define FC_RGBA_VRGB    3
#define FC_RGBA_VBGR    4
#define FC_WEIGHT_EXTRALIGHT    40
#define FC_RGBA_NONE    5
#define FC_WEIGHT_LIGHT 50
#define FC_WIDTH_ULTRACONDENSED 50
#define FC_UTF8_MAX_LEN 6
#define FC_WIDTH_EXTRACONDENSED 63
#define FC_WEIGHT_BOOK  75
#define FC_WIDTH_CONDENSED      75
#define FC_WEIGHT_REGULAR       80
#define FC_WIDTH_SEMICONDENSED  87
#define FC_DUAL 90
#define FC_ANTIALIAS    "antialias"
#define FC_ASPECT       "aspect"
#define FC_AUTOHINT     "autohint"
#define FC_CAPABILITY   "capability"
#define FC_CHAR_HEIGHT  "charheight"
#define FC_CHARSET      "charset"
#define FC_CHAR_WIDTH   "charwidth"
#define FC_DPI  "dpi"
#define FC_EMBOLDEN     "embolden"
#define FC_FAMILY       "family"
#define FC_FAMILYLANG   "familylang"
#define FC_WEIGHT_HEAVY FC_WEIGHT_BLACK
#define FC_WEIGHT_SEMIBOLD      FC_WEIGHT_DEMIBOLD
#define FC_WEIGHT_ULTRABOLD     FC_WEIGHT_EXTRABOLD
#define FC_WEIGHT_ULTRALIGHT    FC_WEIGHT_EXTRALIGHT
#define FC_WEIGHT_NORMAL        FC_WEIGHT_REGULAR
#define FC_FILE "file"
#define FC_FONTFORMAT   "fontformat"
#define FC_FONTVERSION  "fontversion"
#define FC_FOUNDRY      "foundry"
#define FC_FT_FACE      "ftface"
#define FC_FULLNAME     "fullname"
#define FC_FULLNAMELANG "fullnamelang"
#define FC_GLOBAL_ADVANCE       "globaladvance"
#define FC_HINTING      "hinting"
#define FC_HINT_STYLE   "hintstyle"
#define FC_INDEX        "index"
#define FC_LANG "lang"
#define FC_MATRIX       "matrix"
#define FC_MINSPACE     "minspace"
#define FC_OUTLINE      "outline"
#define FC_PIXEL_SIZE   "pixelsize"
#define FC_RASTERIZER   "rasterizer"
#define FC_RGBA "rgba"
#define FC_SCALABLE     "scalable"
#define FC_SCALE        "scale"
#define FC_SIZE "size"
#define FC_SLANT        "slant"
#define FC_SOURCE       "source"
#define FC_SPACING      "spacing"
#define FC_STYLE        "style"
#define FC_STYLELANG    "stylelang"
#define FC_VERTICAL_LAYOUT      "verticallayout"
#define FC_WEIGHT       "weight"
#define FC_WIDTH        "width"
```

```
typedef int FcBool;
typedef struct _FcPattern
 FcPattern;
typedef enum _FcType {
    FcTypeVoid = 0,
    FcTypeInteger = 1,
    FcTypeDouble = 2,
    FcTypeString = 3,
    FcTypeBool = 4,
    FcTypeMatrix = 5,
    FcTypeCharSet = 6,
    FcTypeFTFace = 7,
    FcTypeLangSet = 8
} FcType;
typedef unsigned char FcChar8;
typedef struct _FcMatrix {
    double xx;
    double xy;
    double yx;
    double yy;
} FcMatrix;
typedef struct _FcCharSet
 FcCharSet;
typedef struct _FcLangSet
 FcLangSet;
typedef struct _FcValue {
    FcType type;
    union {
        const FcChar8 *s;
        int i;
        FcBool b;
        double d;
        const FcMatrix *m;
        const FcCharSet *c;
        void *f;
        const FcPattern *p;
        const FcLangSet *l;
    } u;
} FcValue;
typedef struct _FcStrList
 FcStrList;
typedef struct _FcConfig
 FcConfig;
typedef struct _FcStrSet
 FcStrSet;
typedef unsigned int FcChar32;
typedef enum _FcMatchKind {
    FcMatchPattern = 0,
    FcMatchFont = 1
} FcMatchKind;
typedef struct _FcObjectSet {
    int nobject;
    int sobject;
    const char **objects;
} FcObjectSet;
typedef enum {
    FcEndianBig = 0,
    FcEndianLittle = 1
} FcEndian;
typedef struct _FcAtomic
 FcAtomic;
typedef struct _FcConstant {
    const FcChar8 *name;
    const char *object;
    int value;
} FcConstant;
```

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```
typedef struct _FcFontSet {
    int nfont;
    int sfont;
    FcPattern **fonts;
} FcFontSet;
typedef enum _FcSetName {
    FcSetSystem = 0,
    FcSetApplication = 1
} FcSetName;
typedef struct _FcBlanks
 FcBlanks;
typedef enum _FcResult {
    FcResultMatch = 0,
    FcResultNoMatch = 1,
    FcResultTypeMismatch = 2,
    FcResultNoId = 3,
    FcResultOutOfMemory = 4
} FcResult;
typedef struct _FcObjectType {
    const char *object;
    FcType type;
} FcObjectType;
typedef struct _FcGlobalCache
 FcGlobalCache;
typedef enum _FcLangResult {
    FcLangEqual = 0,
    FcLangDifferentCountry = 1,
    FcLangDifferentLang = 2
} FcLangResult;
typedef short unsigned int FcChar16;
extern FcBool FcPatternAdd(FcPattern *, const char *, FcValue,
FcBool);
extern FcStrList *FcConfigGetConfigFiles(FcConfig *);
extern FcBool FcStrSetAdd(FcStrSet *, const FcChar8 *);
extern FcBool FcCharSetIsSubset(const FcCharSet *, const
FcCharSet *);
extern void FcDefaultSubstitute(FcPattern *);
extern FcChar32 FcCharSetIntersectCount(const FcCharSet *,
                                        const FcCharSet *);
extern FcBool FcConfigUptoDate(FcConfig *);
extern void FcPatternDestroy(FcPattern *);
extern FcLangSet *FcLangSetCopy(const FcLangSet *);
extern FcBool FcPatternAddCharSet(FcPattern *, const char *,
                                  const FcCharSet *);
extern FcBool FcPatternAddLangSet(FcPattern *, const char *,
                                  const FcLangSet *);
extern void FcConfigAppFontClear(FcConfig *);
extern int FcConfigGetRescanInverval(FcConfig *);
extern FcBool FcConfigSubstitute(FcConfig *, FcPattern *,
FcMatchKind);
extern FcObjectSet *FcObjectSetBuild(const char *, ...);
extern FcBool FcObjectSetAdd(FcObjectSet *, const char *);
extern FcChar32 FcCharSetSubtractCount(const FcCharSet *,
                                       const FcCharSet *);
extern FcBool FcUtf16Len(const FcChar8 *, FcEndian, int, int *,
int *);
extern FcBool FcConfigBuildFonts(FcConfig *);
extern FcChar8 *FcAtomicOrigFile(FcAtomic *);
extern FcBool FcNameUnregisterConstants(const FcConstant *, int);
extern FcBool FcConfigSetRescanInverval(FcConfig *, int);
extern FcBool FcAtomicLock(FcAtomic *);
extern FcPattern *FcPatternBuild(FcPattern *, ...);
extern FcFontSet *FcConfigGetFonts(FcConfig *, FcSetName);
extern void FcStrListDone(FcStrList *);
extern FcBool FcLangSetEqual(const FcLangSet *, const FcLangSet
*);
```

```
extern const FcConstant *FcNameGetConstant(FcChar8 *);
extern void FcMatrixShear(FcMatrix *, double, double);
extern FcMatrix *FcMatrixCopy(const FcMatrix *);
extern FcStrList *FcConfigGetConfigDirs(FcConfig *);
extern FcBool FcStrSetDel(FcStrSet *, const FcChar8 *);
extern FcBool FcConfigEnableHome(FcBool);
extern FcStrSet *FcStrSetCreate(void);
extern int FcStrCmpIgnoreCase(const FcChar8 *, const FcChar8 *);
extern   FcCharSet   *FcCharSetUnion(const   FcCharSet   *,   const
FcCharSet *);
extern FcObjectSet *FcObjectSetCreate(void);
extern FcBlanks *FcBlanksCreate(void);
extern void FcBlanksDestroy(FcBlanks *);
extern FcBool FcNameConstant(FcChar8 *, int *);
extern void FcMatrixRotate(FcMatrix *, double, double);
extern FcPattern *FcNameParse(const FcChar8 *);
extern void FcMatrixMultiply(FcMatrix *, const FcMatrix *,
                             const FcMatrix *);
extern FcResult FcPatternGetLangSet(const FcPattern *, const char
*, int,
                                    FcLangSet * *);
extern FcValue FcValueSave(FcValue);
extern void FcAtomicDestroy(FcAtomic *);
extern  FcBool  FcPatternEqual(const  FcPattern  *,  const  FcPattern
*);
extern  FcBool  FcNameRegisterObjectTypes(const  FcObjectType  *,
int);
extern FcChar32 FcCharSetNextPage(const FcCharSet *, FcChar32 *,
                                  FcChar32 *);
extern FcBool FcConfigSetCurrent(FcConfig *);
extern FcPattern *FcFreeTypeQuery(const FcChar8 *, int, FcBlanks
*, int *);
extern FcChar8 *FcStrListNext(FcStrList *);
extern FcBool FcNameRegisterConstants(const FcConstant *, int);
extern void FcValueDestroy(FcValue);
extern  FcBool  FcFileScan(FcFontSet  *,  FcStrSet  *,  FcGlobalCache
*,
                        FcBlanks *, const FcChar8 *, FcBool);
extern FcFontSet *FcFontSetSort(FcConfig *, FcFontSet * *, int,
                                FcPattern  *,  FcBool,  FcCharSet  *
*,
                                FcResult *);
extern  FcResult  FcPatternGetString(const  FcPattern  *,  const  char
*, int,
                                     FcChar8 * *);
extern FcChar8 *FcStrCopy(const FcChar8 *);
extern  FcBool  FcPatternEqualSubset(const  FcPattern  *,  const
FcPattern *,
                                     const FcObjectSet *);
extern FcConfig *FcInitLoadConfig(void);
extern FcStrList *FcStrListCreate(FcStrSet *);
extern FcResult FcPatternGetCharSet(const FcPattern *, const char
*, int,
                                    FcCharSet * *);
extern FcPattern *FcPatternCreate(void);
extern FcChar32 FcPatternHash(const FcPattern *);
extern FcChar8 *FcConfigFilename(const FcChar8 *);
extern FcBool FcPatternDel(FcPattern *, const char *);
extern FcCharSet *FcCharSetCopy(FcCharSet *);
extern FcBool FcInitReinitialize(void);
extern FcFontSet *FcFontList(FcConfig *, FcPattern *, FcObjectSet
*);
extern int FcUcs4ToUtf8(FcChar32, FcChar8 *);
extern FcBool FcAtomicReplaceOrig(FcAtomic *);
extern FcObjectSet *FcObjectSetVaBuild(const char *, va_list);
extern FcBool FcInitBringUptoDate(void);
```

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```
extern FcResult FcPatternGetDouble(const FcPattern *, const char
*, int,
                                   double *);
extern int FcStrCmp(const FcChar8 *, const FcChar8 *);
extern FcChar8 *FcConfigGetCache(FcConfig *);
extern FcAtomic *FcAtomicCreate(const FcChar8 *);
extern FcPattern *FcPatternDuplicate(const FcPattern *);
extern FcChar8 *FcStrDirname(const FcChar8 *);
extern FcBool FcConfigSubstituteWithPat(FcConfig *, FcPattern *,
                                        FcPattern              *,
FcMatchKind);
extern FcBool FcDirScan(FcFontSet *, FcStrSet *, FcGlobalCache *,
                        FcBlanks *, const FcChar8 *, FcBool);
extern FcChar8 *FcStrCopyFilename(const FcChar8 *);
extern FcBool FcLangSetAdd(FcLangSet *, const FcChar8 *);
extern FcResult FcPatternGetInteger(const FcPattern *, const char
*, int,
                                    int *);
extern FcBool FcConfigParseAndLoad(FcConfig *, const FcChar8 *,
FcBool);
extern FcBool FcStrSetEqual(FcStrSet *, FcStrSet *);
extern FcBool FcConfigAppFontAddFile(FcConfig *, const FcChar8
*);
extern FcPattern *FcFontSetMatch(FcConfig *, FcFontSet * *, int,
                                 FcPattern *, FcResult *);
extern FcBool FcStrSetAddFilename(FcStrSet *, const FcChar8 *);
extern FcChar8 *FcNameUnparse(FcPattern *);
extern FcChar32 FcCharSetFirstPage(const FcCharSet *, FcChar32 *,
                                   FcChar32 *);
extern void FcFontSetPrint(const FcFontSet *);
extern FcPattern *FcPatternVaBuild(FcPattern *, va_list);
extern FcChar8 *FcConfigHome(void);
extern FcBool FcBlanksAdd(FcBlanks *, FcChar32);
extern FcBool FcBlanksIsMember(FcBlanks *, FcChar32);
extern FcBool FcNameUnregisterObjectTypes(const FcObjectType *,
int);
extern FcLangResult FcLangSetHasLang(const FcLangSet *, const
FcChar8 *);
extern FcChar8 *FcStrBasename(const FcChar8 *);
extern FcPattern *FcFontMatch(FcConfig *, FcPattern *, FcResult
*);
extern void FcValuePrint(const FcValue);
extern FcLangSet *FcLangSetCreate(void);
extern FcStrList *FcConfigGetFontDirs(FcConfig *);
extern FcBool FcCharSetAddChar(FcCharSet *, FcChar32);
extern FcCharSet *FcCharSetIntersect(const FcCharSet *, const
FcCharSet *);
extern void FcMatrixScale(FcMatrix *, double, double);
extern void FcPatternReference(FcPattern *);
extern FcBool FcCharSetEqual(const FcCharSet *, const FcCharSet
*);
extern FcBool FcFontSetAdd(FcFontSet *, FcPattern *);
extern FcChar8 *FcAtomicNewFile(FcAtomic *);
extern FcFontSet *FcFontSetList(FcConfig *, FcFontSet * *, int,
                                FcPattern *, FcObjectSet *);
extern void FcFontSetSortDestroy(FcFontSet *);
extern FcBool FcPatternAddMatrix(FcPattern *, const char *,
                                 const FcMatrix *);
extern FcChar32 FcCharSetCount(const FcCharSet *);
extern FcBool FcPatternAddString(FcPattern *, const char *,
                                 const FcChar8 *);
extern void FcStrSetDestroy(FcStrSet *);
extern FcConfig *FcConfigGetCurrent(void);
extern FcBool FcPatternAddInteger(FcPattern *, const char *,
int);
```

```
extern FcResult FcPatternGetMatrix(const FcPattern *, const char
*, int,
                                    FcMatrix * *);
extern int FcGetVersion(void);
extern FcBool FcCharSetHasChar(const FcCharSet *, FcChar32);
extern  FcBool  FcPatternAddBool(FcPattern  *,  const  char  *,
FcBool);
extern const FcObjectType *FcNameGetObjectType(const char *);
extern FcBool FcDirCacheValid(const FcChar8 *);
extern FcBool FcUtf8Len(const FcChar8 *, int, int *, int *);
extern FcConfig *FcInitLoadConfigAndFonts(void);
extern FcResult FcPatternGetBool(const FcPattern *, const char *,
int,
                                 FcBool *);
extern void FcFontSetDestroy(FcFontSet *);
extern FcBool FcConfigAppFontAddDir(FcConfig *, const FcChar8 *);
extern int FcUtf16ToUcs4(const FcChar8 *, FcEndian, FcChar32 *,
int);
extern int FcUtf8ToUcs4(const FcChar8 *, FcChar32 *, int);
extern FcFontSet *FcFontSetCreate(void);
extern FcBool FcDirSave(FcFontSet *, FcStrSet *, const FcChar8
*);
extern void FcConfigDestroy(FcConfig *);
extern  FcBool  FcPatternAddDouble(FcPattern  *,  const  char  *,
double);
extern FcFontSet *FcFontSort(FcConfig *, FcPattern *, FcBool,
                             FcCharSet * *, FcResult *);
extern FcPattern *FcFontRenderPrepare(FcConfig *, FcPattern *,
                                      FcPattern *);
extern void FcLangSetDestroy(FcLangSet *);
extern void FcCharSetDestroy(FcCharSet *);
extern FcBool FcValueEqual(FcValue, FcValue);
extern  FcBool  FcPatternAddWeak(FcPattern  *,  const  char  *,
FcValue, FcBool);
extern  FcBool  FcLangSetContains(const  FcLangSet  *,  const
FcLangSet *);
extern void FcObjectSetDestroy(FcObjectSet *);
extern FcCharSet *FcCharSetCreate(void);
extern FcLangResult FcLangSetCompare(const FcLangSet *, const
FcLangSet *);
extern FcBool FcMatrixEqual(const FcMatrix *, const FcMatrix *);
extern void FcAtomicUnlock(FcAtomic *);
extern FcBool FcStrSetMember(FcStrSet *, const FcChar8 *);
extern FcChar32 FcLangSetHash(const FcLangSet *);
extern void FcAtomicDeleteNew(FcAtomic *);
extern  FcCharSet  *FcCharSetSubtract(const  FcCharSet  *,  const
FcCharSet *);
extern FcBool FcInit(void);
extern FcResult FcPatternGet(const FcPattern *, const char *,
int,
                             FcValue *);
extern void FcPatternPrint(const FcPattern *);
extern FcBlanks *FcConfigGetBlanks(FcConfig *);
```

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11 Commands and Utilities

11.1 Commands and Utilities

An LSB conforming implementation shall provide the commands and utilities as described in Table 11-1, with at least the behavior described as mandatory in the referenced underlying specification, with the following exceptions:

1. If any operand (except one which follows `--`) starts with a hyphen, the behavior is unspecified.

Rationale (Informative): Applications should place options before operands, or use `--`, as needed. This text is needed because, by default, GNU option parsing differs from POSIX, unless the environment variable POSIXLY_CORRECT is set. For example, **ls . -a** in GNU **ls** means to list the current directory, showing all files (that is, `"."` is an operand and `-a` is an option). In POSIX, `"."` and `-a` are both operands, and the command means to list the current directory, and also the file named `-a`. Suggesting that applications rely on the setting of the POSIXLY_CORRECT environment variable, or try to set it, seems worse than just asking the applictions to invoke commands in ways which work with either the POSIX or GNU behaviors.

Table 11-1 Commands And Utilities

fc-cache [1]	fc-list [1]	fc-match [1]		

Referenced Specification(s)

[1]. This Specification

11.2 Command Behavior

This section contains descriptions for commands and utilities whose specified behavior in the LSB contradicts or extends the standards referenced. It also contains commands and utilities only required by the LSB and not specified by other standards.

fc-cache

Name

`fc-cache` — build font information cache files

Description

fc-cache scans the font directories on the system and builds font information cache files for applications using fontconfig for their font handling. If directory arguments are not given, fc-cache uses each directory in the current font configuration. Each directory is scanned for font files readable by FreeType. A cache is created which contains properties of each font and the associated filename. This cache is used to speed up application startup when using the fontconfig library.

Synopsis

fc-cache [-fsvV?] [--force] [--system-only] [--verbose] [--version] [--help] [dirs]

Option and Operand Handling

This program follows the usual GNU command line syntax, with long options starting with two dashes ('-'). A summary of options is included below.

-f --force

Force re-generation of apparently up-to-date cache files, overriding the timestamp checking.

-s --system-only

Only scan system-wide directories, omitting the places located in the user's home directory.

-v --verbose

Display status information while busy.

-? --help

Show summary of options.

-V --version

Show version of the program and exit.

dirs

A list of directories to scan for fonts.

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fc-list

Name

`fc-list` — list available fonts.

Description

fc-list lists fonts and styles available on the system for applications using fontconfig.

Synopsis

fc-list [-vV?] [--verbose] [--version] [--help] [pattern] [element]

Option and Operand Handling

This program follows the usual GNU command line syntax, with long options starting with two dashes ('-'). A summary of options is included below.

`-v --verbose`

Display status information while busy.

`-? --help`

Show summary of options.

`-V --version`

Show version of the program and exit.

`pattern`

If this argument is set, only fonts matching pattern are displayed.

`element`

If set, the element property is displayed for matching fonts.

fc-match

Name

`fc-match` — match available fonts

Description

fc-match matches font-pattern (empty pattern by default) using the normal fontconfig matching rules to find the best font available. If --sort is given, the sorted list of best matching fonts is displayed. With --verbose, the whole font pattern for each match is printed, otherwise only the file, family and style are printed.

VII GTK+ Stack Libraries

12 Libraries

12.1 Introduction

A conforming implementation shall support the following GTK+ stack libraries which provide interfaces for creating rich graphical user interface applications.

GLib

A general-purpose utility library, not specific to graphical user interfaces. GLib provides many useful data types, macros, type conversions, string utilities, file utilities, a main loop abstraction, and so on.

libglib-2.0

libgmodule-2.0

libgobject-2.0

libgthread-2.0

ATK

ATK is the Accessibility Toolkit. It provides a set of generic interfaces allowing accessibility technologies to interact with a graphical user interface. For example, a screen reader uses ATK to discover the text in an interface and read it to blind users. GTK+ widgets have built-in support for accessibility using the ATK framework.

libatk-1.0

Pango

Pango is a library for internationalized text handling. It centers around the PangoLayout object, representing a paragraph of text. Pango provides the engine for GtkTextView, GtkLabel, GtkEntry, and other widgets that display text.

libpango-1.0

libpangoxft-1.0

libpangoft2-1.0

GdkPixbuf

This is a small library which allows you to create GdkPixbuf ("pixel buffer") objects from image data or image files. Use a GdkPixbuf in combination with GtkImage to display images.

libgdk_pixbuf-2.0

libgdk_pixbuf_xlib-2.0

GDK

GDK is the abstraction layer that allows GTK+ to support multiple windowing systems. GDK provides drawing and window system facilities on X11, Windows, and the Linux framebuffer device.

libgdk-x11-2.0

GTK+

The GTK+ library contains widgets, that is, GUI components such as GtkButton or GtkTextView.

libgtk-x11-2.0

There are three main parts to the definition of each of these libraries.

The "Interfaces" section defines the required library name and version, and the required public symbols (interfaces and global data), as well as symbol versions, if any.

The "Interface Definitions" section provides complete or partial definitions of certain interfaces where either this specification is the source specification, or where there are variations from the source specification. If an interface definition requires one or more header files, one of those headers shall include the function prototype for the interface.

For source definitions of interfaces which include a reference to a header file, the contents of such header files form a part of the specification. The "Data Definitions" section provides the binary-level details for the header files from the source specifications, such as values for macros and enumerated types, as well as structure layouts, sizes and padding, etc. These data definitions, although presented in the form of header files for convenience, should not be taken a representing complete header files, as they are a supplement to the source specifications. Application developers should follow the guidelines of the source specifications when determining which header files need to be included to completely resolve all references.

Note: While the Data Definitions supplement the source specifications, this specification itself does not require conforming implementations to supply any header files.

12.2 Interfaces for libglib-2.0

Table 12-1 defines the library name and shared object name for the libglib-2.0 library

Table 12-1 libglib-2.0 Definition

Library:	libglib-2.0
SONAME:	libglib-2.0.so.0

The behavior of the interfaces in this library is specified by the following specifications:

[Glib] Glib 2.6.2 Reference Manual

12.2.1 GTK General purpose utility library

12.2.1.1 Interfaces for GTK General purpose utility library

An LSB conforming implementation shall provide the generic functions for GTK General purpose utility library specified in Table 12-2, with the full mandatory functionality as described in the referenced underlying specification.

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Table 12-2 libglib-2.0 - GTK General purpose utility library Function Interfaces

g_allocator_free [Glib]	g_allocator_new [Glib]
g_array_append_vals [Glib]	g_array_free [Glib]
g_array_insert_vals [Glib]	g_array_new [Glib]
g_array_prepend_vals [Glib]	g_array_remove_index [Glib]
g_array_remove_index_fast [Glib]	g_array_remove_range [Glib]
g_array_set_size [Glib]	g_array_sized_new [Glib]
g_array_sort [Glib]	g_array_sort_with_data [Glib]
g_ascii_digit_value [Glib]	g_ascii_dtostr [Glib]
g_ascii_formatd [Glib]	g_ascii_strcasecmp [Glib]
g_ascii_strdown [Glib]	g_ascii_strncasecmp [Glib]
g_ascii_strtod [Glib]	g_ascii_strtoull [Glib]
g_ascii_strup [Glib]	g_ascii_tolower [Glib]
g_ascii_toupper [Glib]	g_ascii_xdigit_value [Glib]
g_assert_warning [Glib]	g_async_queue_length [Glib]
g_async_queue_length_unlocked [Glib]	g_async_queue_lock [Glib]
g_async_queue_new [Glib]	g_async_queue_pop [Glib]
g_async_queue_pop_unlocked [Glib]	g_async_queue_push [Glib]
g_async_queue_push_unlocked [Glib]	g_async_queue_ref [Glib]
g_async_queue_timed_pop [Glib]	g_async_queue_timed_pop_unlocked [Glib]
g_async_queue_try_pop [Glib]	g_async_queue_try_pop_unlocked [Glib]
g_async_queue_unlock [Glib]	g_async_queue_unref [Glib]
g_atexit [Glib]	g_atomic_int_add [Glib]
g_atomic_int_compare_and_exchange [Glib]	g_atomic_int_exchange_and_add [Glib]
g_atomic_pointer_compare_and_exchange [Glib]	g_bit_nth_lsf [Glib]
g_bit_nth_msf [Glib]	g_bit_storage [Glib]
g_blow_chunks [Glib]	g_build_filename [Glib]
g_build_path [Glib]	g_byte_array_append [Glib]
g_byte_array_free [Glib]	g_byte_array_new [Glib]
g_byte_array_prepend [Glib]	g_byte_array_remove_index [Glib]

g_byte_array_remove_index_fast [Glib]	g_byte_array_remove_range [Glib]
g_byte_array_set_size [Glib]	g_byte_array_sized_new [Glib]
g_byte_array_sort [Glib]	g_byte_array_sort_with_data [Glib]
g_cache_destroy [Glib]	g_cache_insert [Glib]
g_cache_key_foreach [Glib]	g_cache_new [Glib]
g_cache_remove [Glib]	g_cache_value_foreach [Glib]
g_child_watch_add [Glib]	g_child_watch_add_full [Glib]
g_child_watch_source_new [Glib]	g_clear_error [Glib]
g_completion_add_items [Glib]	g_completion_clear_items [Glib]
g_completion_complete [Glib]	g_completion_complete_utf8 [Glib]
g_completion_free [Glib]	g_completion_new [Glib]
g_completion_remove_items [Glib]	g_completion_set_compare [Glib]
g_convert [Glib]	g_convert_error_quark [Glib]
g_convert_with_fallback [Glib]	g_convert_with_iconv [Glib]
g_datalist_clear [Glib]	g_datalist_foreach [Glib]
g_datalist_id_get_data [Glib]	g_datalist_id_remove_no_notify [Glib]
g_datalist_id_set_data_full [Glib]	g_datalist_init [Glib]
g_dataset_destroy [Glib]	g_dataset_foreach [Glib]
g_dataset_id_get_data [Glib]	g_dataset_id_remove_no_notify [Glib]
g_dataset_id_set_data_full [Glib]	g_date_add_days [Glib]
g_date_add_months [Glib]	g_date_add_years [Glib]
g_date_clamp [Glib]	g_date_clear [Glib]
g_date_compare [Glib]	g_date_days_between [Glib]
g_date_free [Glib]	g_date_get_day [Glib]
g_date_get_day_of_year [Glib]	g_date_get_days_in_month [Glib]
g_date_get_iso8601_week_of_year [Glib]	g_date_get_julian [Glib]
g_date_get_monday_week_of_year [Glib]	g_date_get_monday_weeks_in_year [Glib]
g_date_get_month [Glib]	g_date_get_sunday_week_of_year [Glib]
g_date_get_sunday_weeks_in_year [Glib]	g_date_get_weekday [Glib]
g_date_get_year [Glib]	g_date_is_first_of_month [Glib]

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g_date_is_last_of_month [Glib]	g_date_is_leap_year [Glib]
g_date_new [Glib]	g_date_new_dmy [Glib]
g_date_new_julian [Glib]	g_date_order [Glib]
g_date_set_day [Glib]	g_date_set_dmy [Glib]
g_date_set_julian [Glib]	g_date_set_month [Glib]
g_date_set_parse [Glib]	g_date_set_time [Glib]
g_date_set_year [Glib]	g_date_strftime [Glib]
g_date_subtract_days [Glib]	g_date_subtract_months [Glib]
g_date_subtract_years [Glib]	g_date_to_struct_tm [Glib]
g_date_valid [Glib]	g_date_valid_day [Glib]
g_date_valid_dmy [Glib]	g_date_valid_julian [Glib]
g_date_valid_month [Glib]	g_date_valid_weekday [Glib]
g_date_valid_year [Glib]	g_dir_close [Glib]
g_dir_open [Glib]	g_dir_read_name [Glib]
g_dir_rewind [Glib]	g_direct_equal [Glib]
g_direct_hash [Glib]	g_error_copy [Glib]
g_error_free [Glib]	g_error_matches [Glib]
g_error_new [Glib]	g_error_new_literal [Glib]
g_file_error_from_errno [Glib]	g_file_error_quark [Glib]
g_file_get_contents [Glib]	g_file_open_tmp [Glib]
g_file_read_link [Glib]	g_file_test [Glib]
g_filename_display_basename [Glib]	g_filename_display_name [Glib]
g_filename_from_uri [Glib]	g_filename_from_utf8 [Glib]
g_filename_to_uri [Glib]	g_filename_to_utf8 [Glib]
g_find_program_in_path [Glib]	g_fprintf [Glib]
g_free [Glib]	g_get_application_name [Glib]
g_get_charset [Glib]	g_get_current_dir [Glib]
g_get_current_time [Glib]	g_get_filename_charsets [Glib]
g_get_home_dir [Glib]	g_get_language_names [Glib]
g_get_prgname [Glib]	g_get_real_name [Glib]
g_get_system_config_dirs [Glib]	g_get_system_data_dirs [Glib]
g_get_tmp_dir [Glib]	g_get_user_cache_dir [Glib]
g_get_user_config_dir [Glib]	g_get_user_data_dir [Glib]
g_get_user_name [Glib]	g_getenv [Glib]

g_hash_table_destroy [Glib]	g_hash_table_find [Glib]
g_hash_table_foreach [Glib]	g_hash_table_foreach_remove [Glib]
g_hash_table_foreach_steal [Glib]	g_hash_table_insert [Glib]
g_hash_table_lookup [Glib]	g_hash_table_lookup_extended [Glib]
g_hash_table_new [Glib]	g_hash_table_new_full [Glib]
g_hash_table_remove [Glib]	g_hash_table_replace [Glib]
g_hash_table_size [Glib]	g_hash_table_steal [Glib]
g_hook_alloc [Glib]	g_hook_compare_ids [Glib]
g_hook_destroy [Glib]	g_hook_destroy_link [Glib]
g_hook_find [Glib]	g_hook_find_data [Glib]
g_hook_find_func [Glib]	g_hook_find_func_data [Glib]
g_hook_first_valid [Glib]	g_hook_free [Glib]
g_hook_get [Glib]	g_hook_insert_before [Glib]
g_hook_insert_sorted [Glib]	g_hook_list_clear [Glib]
g_hook_list_init [Glib]	g_hook_list_invoke [Glib]
g_hook_list_invoke_check [Glib]	g_hook_list_marshal [Glib]
g_hook_list_marshal_check [Glib]	g_hook_next_valid [Glib]
g_hook_prepend [Glib]	g_hook_ref [Glib]
g_hook_unref [Glib]	g_iconv [Glib]
g_iconv_close [Glib]	g_iconv_open [Glib]
g_idle_add [Glib]	g_idle_add_full [Glib]
g_idle_remove_by_data [Glib]	g_idle_source_new [Glib]
g_int_equal [Glib]	g_int_hash [Glib]
g_io_add_watch [Glib]	g_io_add_watch_full [Glib]
g_io_channel_error_from_errno [Glib]	g_io_channel_error_quark [Glib]
g_io_channel_flush [Glib]	g_io_channel_get_buffer_condition [Glib]
g_io_channel_get_buffer_size [Glib]	g_io_channel_get_buffered [Glib]
g_io_channel_get_close_on_unref [Glib]	g_io_channel_get_encoding [Glib]
g_io_channel_get_flags [Glib]	g_io_channel_get_line_term [Glib]
g_io_channel_init [Glib]	g_io_channel_new_file [Glib]
g_io_channel_read_chars [Glib]	g_io_channel_read_line [Glib]
g_io_channel_read_line_string [Glib]	g_io_channel_read_to_end [Glib]

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g_io_channel_read_unichar [Glib]	g_io_channel_ref [Glib]
g_io_channel_seek_position [Glib]	g_io_channel_set_buffer_size [Glib]
g_io_channel_set_buffered [Glib]	g_io_channel_set_close_on_unref [Glib]
g_io_channel_set_encoding [Glib]	g_io_channel_set_flags [Glib]
g_io_channel_set_line_term [Glib]	g_io_channel_shutdown [Glib]
g_io_channel_unix_get_fd [Glib]	g_io_channel_unix_new [Glib]
g_io_channel_unref [Glib]	g_io_channel_write_chars [Glib]
g_io_channel_write_unichar [Glib]	g_io_create_watch [Glib]
g_key_file_error_quark [Glib]	g_key_file_free [Glib]
g_key_file_get_boolean [Glib]	g_key_file_get_boolean_list [Glib]
g_key_file_get_comment [Glib]	g_key_file_get_groups [Glib]
g_key_file_get_integer [Glib]	g_key_file_get_integer_list [Glib]
g_key_file_get_keys [Glib]	g_key_file_get_locale_string [Glib]
g_key_file_get_locale_string_list [Glib]	g_key_file_get_start_group [Glib]
g_key_file_get_string [Glib]	g_key_file_get_string_list [Glib]
g_key_file_get_value [Glib]	g_key_file_has_group [Glib]
g_key_file_has_key [Glib]	g_key_file_load_from_data [Glib]
g_key_file_load_from_data_dirs [Glib]	g_key_file_load_from_file [Glib]
g_key_file_new [Glib]	g_key_file_remove_comment [Glib]
g_key_file_remove_group [Glib]	g_key_file_remove_key [Glib]
g_key_file_set_boolean [Glib]	g_key_file_set_boolean_list [Glib]
g_key_file_set_comment [Glib]	g_key_file_set_integer [Glib]
g_key_file_set_integer_list [Glib]	g_key_file_set_list_separator [Glib]
g_key_file_set_locale_string [Glib]	g_key_file_set_locale_string_list [Glib]
g_key_file_set_string [Glib]	g_key_file_set_string_list [Glib]
g_key_file_set_value [Glib]	g_key_file_to_data [Glib]
g_list_alloc [Glib]	g_list_append [Glib]
g_list_concat [Glib]	g_list_copy [Glib]
g_list_delete_link [Glib]	g_list_find [Glib]
g_list_find_custom [Glib]	g_list_first [Glib]
g_list_foreach [Glib]	g_list_free [Glib]
g_list_free_1 [Glib]	g_list_index [Glib]

g_list_insert [Glib]	g_list_insert_before [Glib]
g_list_insert_sorted [Glib]	g_list_last [Glib]
g_list_length [Glib]	g_list_nth [Glib]
g_list_nth_data [Glib]	g_list_nth_prev [Glib]
g_list_pop_allocator [Glib]	g_list_position [Glib]
g_list_prepend [Glib]	g_list_push_allocator [Glib]
g_list_remove [Glib]	g_list_remove_all [Glib]
g_list_remove_link [Glib]	g_list_reverse [Glib]
g_list_sort [Glib]	g_list_sort_with_data [Glib]
g_locale_from_utf8 [Glib]	g_locale_to_utf8 [Glib]
g_log [Glib]	g_log_default_handler [Glib]
g_log_remove_handler [Glib]	g_log_set_always_fatal [Glib]
g_log_set_default_handler [Glib]	g_log_set_fatal_mask [Glib]
g_log_set_handler [Glib]	g_logv [Glib]
g_main_context_acquire [Glib]	g_main_context_add_poll [Glib]
g_main_context_check [Glib]	g_main_context_default [Glib]
g_main_context_dispatch [Glib]	g_main_context_find_source_by_funcs_user_data [Glib]
g_main_context_find_source_by_id [Glib]	g_main_context_find_source_by_user_data [Glib]
g_main_context_get_poll_func [Glib]	g_main_context_iteration [Glib]
g_main_context_new [Glib]	g_main_context_pending [Glib]
g_main_context_prepare [Glib]	g_main_context_query [Glib]
g_main_context_ref [Glib]	g_main_context_release [Glib]
g_main_context_remove_poll [Glib]	g_main_context_set_poll_func [Glib]
g_main_context_unref [Glib]	g_main_context_wait [Glib]
g_main_context_wakeup [Glib]	g_main_depth [Glib]
g_main_loop_get_context [Glib]	g_main_loop_is_running [Glib]
g_main_loop_new [Glib]	g_main_loop_quit [Glib]
g_main_loop_ref [Glib]	g_main_loop_run [Glib]
g_main_loop_unref [Glib]	g_malloc [Glib]
g_malloc0 [Glib]	g_markup_error_quark [Glib]
g_markup_escape_text [Glib]	g_markup_parse_context_end_parse [Glib]
g_markup_parse_context_free [Glib]	g_markup_parse_context_get_element [Glib]

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g_markup_parse_context_get_positio n [Glib]	g_markup_parse_context_new [Glib]
g_markup_parse_context_parse [Glib]	g_markup_printf_escaped [Glib]
g_markup_vprintf_escaped [Glib]	g_mem_chunk_alloc [Glib]
g_mem_chunk_alloc0 [Glib]	g_mem_chunk_clean [Glib]
g_mem_chunk_destroy [Glib]	g_mem_chunk_free [Glib]
g_mem_chunk_info [Glib]	g_mem_chunk_new [Glib]
g_mem_chunk_print [Glib]	g_mem_chunk_reset [Glib]
g_mem_is_system_malloc [Glib]	g_mem_profile [Glib]
g_mem_set_vtable [Glib]	g_memdup [Glib]
g_mkstemp [Glib]	g_node_child_index [Glib]
g_node_child_position [Glib]	g_node_children_foreach [Glib]
g_node_copy [Glib]	g_node_copy_deep [Glib]
g_node_depth [Glib]	g_node_destroy [Glib]
g_node_find [Glib]	g_node_find_child [Glib]
g_node_first_sibling [Glib]	g_node_get_root [Glib]
g_node_insert [Glib]	g_node_insert_after [Glib]
g_node_insert_before [Glib]	g_node_is_ancestor [Glib]
g_node_last_child [Glib]	g_node_last_sibling [Glib]
g_node_max_height [Glib]	g_node_n_children [Glib]
g_node_n_nodes [Glib]	g_node_new [Glib]
g_node_nth_child [Glib]	g_node_pop_allocator [Glib]
g_node_prepend [Glib]	g_node_push_allocator [Glib]
g_node_reverse_children [Glib]	g_node_traverse [Glib]
g_node_unlink [Glib]	g_nullify_pointer [Glib]
g_on_error_query [Glib]	g_on_error_stack_trace [Glib]
g_once_impl [Glib]	g_option_context_add_group [Glib]
g_option_context_add_main_entries [Glib]	g_option_context_free [Glib]
g_option_context_get_help_enabled [Glib]	g_option_context_get_ignore_unkno wn_options [Glib]
g_option_context_get_main_group [Glib]	g_option_context_new [Glib]
g_option_context_parse [Glib]	g_option_context_set_help_enabled [Glib]
g_option_context_set_ignore_unkno	g_option_context_set_main_group

wn_options [Glib]	[Glib]
g_option_error_quark [Glib]	g_option_group_add_entries [Glib]
g_option_group_free [Glib]	g_option_group_new [Glib]
g_option_group_set_error_hook [Glib]	g_option_group_set_parse_hooks [Glib]
g_option_group_set_translate_func [Glib]	g_option_group_set_translation_do main [Glib]
g_parse_debug_string [Glib]	g_path_get_basename [Glib]
g_path_get_dirname [Glib]	g_path_is_absolute [Glib]
g_path_skip_root [Glib]	g_pattern_match [Glib]
g_pattern_match_simple [Glib]	g_pattern_match_string [Glib]
g_pattern_spec_equal [Glib]	g_pattern_spec_free [Glib]
g_pattern_spec_new [Glib]	g_print [Glib]
g_printerr [Glib]	g_printf [Glib]
g_printf_string_upper_bound [Glib]	g_propagate_error [Glib]
g_ptr_array_add [Glib]	g_ptr_array_foreach [Glib]
g_ptr_array_free [Glib]	g_ptr_array_new [Glib]
g_ptr_array_remove [Glib]	g_ptr_array_remove_fast [Glib]
g_ptr_array_remove_index [Glib]	g_ptr_array_remove_index_fast [Glib]
g_ptr_array_remove_range [Glib]	g_ptr_array_set_size [Glib]
g_ptr_array_sized_new [Glib]	g_ptr_array_sort [Glib]
g_ptr_array_sort_with_data [Glib]	g_qsort_with_data [Glib]
g_quark_from_static_string [Glib]	g_quark_from_string [Glib]
g_quark_to_string [Glib]	g_quark_try_string [Glib]
g_queue_copy [Glib]	g_queue_delete_link [Glib]
g_queue_find [Glib]	g_queue_find_custom [Glib]
g_queue_foreach [Glib]	g_queue_free [Glib]
g_queue_get_length [Glib]	g_queue_index [Glib]
g_queue_insert_after [Glib]	g_queue_insert_before [Glib]
g_queue_insert_sorted [Glib]	g_queue_is_empty [Glib]
g_queue_link_index [Glib]	g_queue_new [Glib]
g_queue_peek_head [Glib]	g_queue_peek_head_link [Glib]
g_queue_peek_nth [Glib]	g_queue_peek_nth_link [Glib]
g_queue_peek_tail [Glib]	g_queue_peek_tail_link [Glib]
g_queue_pop_head [Glib]	g_queue_pop_head_link [Glib]

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g_queue_pop_nth [Glib]	g_queue_pop_nth_link [Glib]
g_queue_pop_tail [Glib]	g_queue_pop_tail_link [Glib]
g_queue_push_head [Glib]	g_queue_push_head_link [Glib]
g_queue_push_nth [Glib]	g_queue_push_nth_link [Glib]
g_queue_push_tail [Glib]	g_queue_push_tail_link [Glib]
g_queue_remove [Glib]	g_queue_remove_all [Glib]
g_queue_reverse [Glib]	g_queue_sort [Glib]
g_queue_unlink [Glib]	g_rand_copy [Glib]
g_rand_double [Glib]	g_rand_double_range [Glib]
g_rand_free [Glib]	g_rand_int [Glib]
g_rand_int_range [Glib]	g_rand_new [Glib]
g_rand_new_with_seed [Glib]	g_rand_new_with_seed_array [Glib]
g_rand_set_seed [Glib]	g_rand_set_seed_array [Glib]
g_random_double [Glib]	g_random_double_range [Glib]
g_random_int [Glib]	g_random_int_range [Glib]
g_random_set_seed [Glib]	g_realloc [Glib]
g_relation_count [Glib]	g_relation_delete [Glib]
g_relation_destroy [Glib]	g_relation_exists [Glib]
g_relation_index [Glib]	g_relation_insert [Glib]
g_relation_new [Glib]	g_relation_print [Glib]
g_relation_select [Glib]	g_return_if_fail_warning [Glib]
g_scanner_cur_line [Glib]	g_scanner_cur_position [Glib]
g_scanner_cur_token [Glib]	g_scanner_cur_value [Glib]
g_scanner_destroy [Glib]	g_scanner_eof [Glib]
g_scanner_error [Glib]	g_scanner_get_next_token [Glib]
g_scanner_input_file [Glib]	g_scanner_input_text [Glib]
g_scanner_lookup_symbol [Glib]	g_scanner_new [Glib]
g_scanner_peek_next_token [Glib]	g_scanner_scope_add_symbol [Glib]
g_scanner_scope_foreach_symbol [Glib]	g_scanner_scope_lookup_symbol [Glib]
g_scanner_scope_remove_symbol [Glib]	g_scanner_set_scope [Glib]
g_scanner_sync_file_offset [Glib]	g_scanner_unexp_token [Glib]
g_scanner_warn [Glib]	g_set_application_name [Glib]
g_set_error [Glib]	g_set_prgname [Glib]

g_set_print_handler [Glib]	g_set_printerr_handler [Glib]
g_setenv [Glib]	g_shell_error_quark [Glib]
g_shell_parse_argv [Glib]	g_shell_quote [Glib]
g_shell_unquote [Glib]	g_slist_alloc [Glib]
g_slist_append [Glib]	g_slist_concat [Glib]
g_slist_copy [Glib]	g_slist_delete_link [Glib]
g_slist_find [Glib]	g_slist_find_custom [Glib]
g_slist_foreach [Glib]	g_slist_free [Glib]
g_slist_free_1 [Glib]	g_slist_index [Glib]
g_slist_insert [Glib]	g_slist_insert_before [Glib]
g_slist_insert_sorted [Glib]	g_slist_last [Glib]
g_slist_length [Glib]	g_slist_nth [Glib]
g_slist_nth_data [Glib]	g_slist_pop_allocator [Glib]
g_slist_position [Glib]	g_slist_prepend [Glib]
g_slist_push_allocator [Glib]	g_slist_remove [Glib]
g_slist_remove_all [Glib]	g_slist_remove_link [Glib]
g_slist_reverse [Glib]	g_slist_sort [Glib]
g_slist_sort_with_data [Glib]	g_snprintf [Glib]
g_source_add_poll [Glib]	g_source_attach [Glib]
g_source_destroy [Glib]	g_source_get_can_recurse [Glib]
g_source_get_context [Glib]	g_source_get_current_time [Glib]
g_source_get_id [Glib]	g_source_get_priority [Glib]
g_source_new [Glib]	g_source_ref [Glib]
g_source_remove [Glib]	g_source_remove_by_funcs_user_dat a [Glib]
g_source_remove_by_user_data [Glib]	g_source_remove_poll [Glib]
g_source_set_callback [Glib]	g_source_set_callback_indirect [Glib]
g_source_set_can_recurse [Glib]	g_source_set_priority [Glib]
g_source_unref [Glib]	g_spaced_primes_closest [Glib]
g_spawn_async [Glib]	g_spawn_async_with_pipes [Glib]
g_spawn_close_pid [Glib]	g_spawn_command_line_async [Glib]
g_spawn_command_line_sync [Glib]	g_spawn_error_quark [Glib]
g_spawn_sync [Glib]	g_sprintf [Glib]
g_static_mutex_free [Glib]	g_static_mutex_get_mutex_impl

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	[Glib]
g_static_mutex_init [Glib]	g_static_private_free [Glib]
g_static_private_get [Glib]	g_static_private_init [Glib]
g_static_private_set [Glib]	g_static_rec_mutex_free [Glib]
g_static_rec_mutex_init [Glib]	g_static_rec_mutex_lock [Glib]
g_static_rec_mutex_lock_full [Glib]	g_static_rec_mutex_trylock [Glib]
g_static_rec_mutex_unlock [Glib]	g_static_rec_mutex_unlock_full [Glib]
g_static_rw_lock_free [Glib]	g_static_rw_lock_init [Glib]
g_static_rw_lock_reader_lock [Glib]	g_static_rw_lock_reader_trylock [Glib]
g_static_rw_lock_reader_unlock [Glib]	g_static_rw_lock_writer_lock [Glib]
g_static_rw_lock_writer_trylock [Glib]	g_static_rw_lock_writer_unlock [Glib]
g_stpcpy [Glib]	g_str_equal [Glib]
g_str_has_prefix [Glib]	g_str_has_suffix [Glib]
g_str_hash [Glib]	g_strcanon [Glib]
g_strchomp [Glib]	g_strchug [Glib]
g_strcompress [Glib]	g_strconcat [Glib]
g_strdelimit [Glib]	g_strdup [Glib]
g_strdup_printf [Glib]	g_strdup_vprintf [Glib]
g_strdupv [Glib]	g_strerror [Glib]
g_strescape [Glib]	g_strfreev [Glib]
g_string_append [Glib]	g_string_append_c [Glib]
g_string_append_len [Glib]	g_string_append_printf [Glib]
g_string_append_unichar [Glib]	g_string_ascii_down [Glib]
g_string_ascii_up [Glib]	g_string_assign [Glib]
g_string_chunk_free [Glib]	g_string_chunk_insert [Glib]
g_string_chunk_insert_const [Glib]	g_string_chunk_insert_len [Glib]
g_string_chunk_new [Glib]	g_string_equal [Glib]
g_string_erase [Glib]	g_string_free [Glib]
g_string_hash [Glib]	g_string_insert [Glib]
g_string_insert_c [Glib]	g_string_insert_len [Glib]
g_string_insert_unichar [Glib]	g_string_new [Glib]
g_string_new_len [Glib]	g_string_prepend [Glib]

g_string_prepend_c [Glib]	g_string_prepend_len [Glib]
g_string_prepend_unichar [Glib]	g_string_printf [Glib]
g_string_set_size [Glib]	g_string_sized_new [Glib]
g_string_truncate [Glib]	g_strip_context [Glib]
g_strjoin [Glib]	g_strjoinv [Glib]
g_strlcat [Glib]	g_strlcpy [Glib]
g_strndup [Glib]	g_strnfill [Glib]
g_strreverse [Glib]	g_strrstr [Glib]
g_strrstr_len [Glib]	g_strsignal [Glib]
g_strsplit [Glib]	g_strsplit_set [Glib]
g_strstr_len [Glib]	g_strtod [Glib]
g_strv_length [Glib]	g_thread_create_full [Glib]
g_thread_error_quark [Glib]	g_thread_exit [Glib]
g_thread_join [Glib]	g_thread_pool_free [Glib]
g_thread_pool_get_max_threads [Glib]	g_thread_pool_get_max_unused_threads [Glib]
g_thread_pool_get_num_threads [Glib]	g_thread_pool_get_num_unused_threads [Glib]
g_thread_pool_new [Glib]	g_thread_pool_push [Glib]
g_thread_pool_set_max_threads [Glib]	g_thread_pool_set_max_unused_threads [Glib]
g_thread_pool_stop_unused_threads [Glib]	g_thread_pool_unprocessed [Glib]
g_thread_self [Glib]	g_thread_set_priority [Glib]
g_time_val_add [Glib]	g_timeout_add [Glib]
g_timeout_add_full [Glib]	g_timeout_source_new [Glib]
g_timer_continue [Glib]	g_timer_destroy [Glib]
g_timer_elapsed [Glib]	g_timer_new [Glib]
g_timer_reset [Glib]	g_timer_start [Glib]
g_timer_stop [Glib]	g_trash_stack_height [Glib]
g_trash_stack_peek [Glib]	g_trash_stack_pop [Glib]
g_trash_stack_push [Glib]	g_tree_destroy [Glib]
g_tree_foreach [Glib]	g_tree_height [Glib]
g_tree_insert [Glib]	g_tree_lookup [Glib]
g_tree_lookup_extended [Glib]	g_tree_new [Glib]
g_tree_new_full [Glib]	g_tree_new_with_data [Glib]

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g_tree_nnodes [Glib]	g_tree_remove [Glib]
g_tree_replace [Glib]	g_tree_search [Glib]
g_tree_steal [Glib]	g_try_malloc [Glib]
g_try_realloc [Glib]	g_tuples_destroy [Glib]
g_tuples_index [Glib]	g_ucs4_to_utf16 [Glib]
g_ucs4_to_utf8 [Glib]	g_unichar_break_type [Glib]
g_unichar_digit_value [Glib]	g_unichar_get_mirror_char [Glib]
g_unichar_isalnum [Glib]	g_unichar_isalpha [Glib]
g_unichar_iscntrl [Glib]	g_unichar_isdefined [Glib]
g_unichar_isdigit [Glib]	g_unichar_isgraph [Glib]
g_unichar_islower [Glib]	g_unichar_isprint [Glib]
g_unichar_ispunct [Glib]	g_unichar_isspace [Glib]
g_unichar_istitle [Glib]	g_unichar_isupper [Glib]
g_unichar_iswide [Glib]	g_unichar_isxdigit [Glib]
g_unichar_to_utf8 [Glib]	g_unichar_tolower [Glib]
g_unichar_totitle [Glib]	g_unichar_toupper [Glib]
g_unichar_type [Glib]	g_unichar_validate [Glib]
g_unichar_xdigit_value [Glib]	g_unicode_canonical_decomposition [Glib]
g_unicode_canonical_ordering [Glib]	g_unsetenv [Glib]
g_uri_list_extract_uris [Glib]	g_usleep [Glib]
g_utf16_to_ucs4 [Glib]	g_utf16_to_utf8 [Glib]
g_utf8_casefold [Glib]	g_utf8_collate [Glib]
g_utf8_collate_key [Glib]	g_utf8_find_next_char [Glib]
g_utf8_find_prev_char [Glib]	g_utf8_get_char [Glib]
g_utf8_get_char_validated [Glib]	g_utf8_normalize [Glib]
g_utf8_offset_to_pointer [Glib]	g_utf8_pointer_to_offset [Glib]
g_utf8_prev_char [Glib]	g_utf8_strchr [Glib]
g_utf8_strdown [Glib]	g_utf8_strlen [Glib]
g_utf8_strncpy [Glib]	g_utf8_strrchr [Glib]
g_utf8_strreverse [Glib]	g_utf8_strup [Glib]
g_utf8_to_ucs4 [Glib]	g_utf8_to_ucs4_fast [Glib]
g_utf8_to_utf16 [Glib]	g_utf8_validate [Glib]
g_vasprintf [Glib]	g_vfprintf [Glib]
g_vprintf [Glib]	g_vsnprintf [Glib]

g_vsprintf [Glib]	glib_check_version [Glib]

An LSB conforming implementation shall provide the generic data interfaces for GTK General purpose utility library specified in Table 12-3, with the full mandatory functionality as described in the referenced underlying specification.

Table 12-3 libglib-2.0 - GTK General purpose utility library Data Interfaces

g_ascii_table [Glib]	g_child_watch_funcs [Glib]
g_idle_funcs [Glib]	g_io_watch_funcs [Glib]
g_thread_functions_for_glib_use [Glib]	g_thread_use_default_impl [Glib]
g_threads_got_initialized [Glib]	g_timeout_funcs [Glib]
g_utf8_skip [Glib]	glib_binary_age [Glib]
glib_interface_age [Glib]	glib_major_version [Glib]
glib_mem_profiler_table [Glib]	glib_micro_version [Glib]
glib_minor_version [Glib]	

12.3 Data Definitions for libglib-2.0

This section defines global identifiers and their values that are associated with interfaces contained in libglib-2.0. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and application developers should use this ABI to supplement - not to replace - source interface definition specifications.

This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

12.3.1 glib-2.0/glib.h

```
#define GLIB_HAVE_ALLOCA_H
#define GLIB_HAVE_SYS_POLL_H
#define G_GINT32_MODIFIER       ""
#define G_GNUC_FUNCTION ""
#define G_GNUC_PRETTY_FUNCTION  ""
#define G_OPTION_REMAINING      ""
#define G_OS_UNIX
#define G_THREADS_ENABLED
#define G_THREADS_IMPL_POSIX
#define G_WIN32_DLLMAIN_FOR_DLL_NAME(static,dll_name)
#define G_CSET_LATINC    \
        "\300\301\302\303\304\305\306" \
        "\307\310\311\312\313\314\315\316\317\320"
"\321\322\323\324\325\326" \
```

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```
        "\330\331\332\333\334\335\336"
#define G_CSET_LATINS    \
        "\337\340\341\342\343\344\345\346" \
        "\347\350\351\352\353\354\355\356\357\360"
"\361\362\363\364\365\366" \
        "\370\371\372\373\374\375\376\377"
#define g_mem_chunk_create(type,pre_alloc,alloc_type)    \
        ( g_mem_chunk_new (#type " mem chunks (" #pre_alloc ")",
sizeof \
        (type), sizeof (type) * (pre_alloc), (alloc_type)) )
#define G_NODE_IS_ROOT(node)     \
        (((GNode*) (node))->parent == NULL && ((GNode*) (node))-
>prev == NULL \
        && ((GNode*) (node))->next == NULL)
#define g_once(once,func,arg)    \
        (((once)->status == G_ONCE_STATUS_READY) ? (once)->retval
: \
        g_once_impl ((once), (func), (arg)))
#define CLAMP(x,low,high)        \
        (((x) > (high)) ? (high) : (((x) < (low)) ? (low) : (x)))
#define G_STRUCT_OFFSET(struct_type,member)      \
        ((glong) ((guint8*) &((struct_type*) 0)->member))
#define G_STRUCT_MEMBER_P(struct_p,struct_offset)        \
        ((gpointer)     ((guint8*)     (struct_p)     +     (glong)
(struct_offset)))
#define GUINT16_SWAP_LE_BE_CONSTANT(val)         \
        ((guint16) ( (guint16) ((guint16) (val) >> 8) | (guint16)
((guint16) \
        (val) << 8)))
#define GUINT32_SWAP_LE_BE_CONSTANT(val)         \
        ((guint32) ( (((guint32) (val) & (guint32) 0x000000ffU)
<< 24) | \
        (((guint32) (val) & (guint32) 0x0000ff00U) << 8) |
(((guint32) (val) & \
        (guint32) 0x00ff0000U) >> 8) | (((guint32) (val) &
(guint32) \
        0xff000000U) >> 24)))
#define GUINT32_SWAP_LE_PDP(val)         \
        ((guint32) ( (((guint32) (val) & (guint32) 0x0000ffffU)
<< 16) | \
        (((guint32) (val) & (guint32) 0xffff0000U) >> 16)))
#define GUINT32_SWAP_BE_PDP(val)         \
        ((guint32) ( (((guint32) (val) & (guint32) 0x00ff00ffU)
<< 8) | \
        (((guint32) (val) & (guint32) 0xff00ff00U) >> 8)))
#define GUINT64_SWAP_LE_BE_CONSTANT(val)         \
        ((guint64)    (    (((guint64)    (val)    &    (guint64)
G_GINT64_CONSTANT \
        (0x00000000000000ffU)) << 56) | (((guint64) (val) &
(guint64) \
        G_GINT64_CONSTANT (0x000000000000ff00U)) << 40) |
(((guint64) (val) & \
        (guint64) G_GINT64_CONSTANT (0x0000000000ff0000U)) << 24)
| \
        (((guint64)    (val)    &    (guint64)    G_GINT64_CONSTANT
(0x00000000ff000000U)) \
        << 8) | (((guint64) (val) & (guint64) G_GINT64_CONSTANT \
        (0x000000ff00000000U)) >> 8) | (((guint64) (val) &
(guint64) \
        G_GINT64_CONSTANT (0x0000ff0000000000U)) >> 24) |
(((guint64) (val) & \
        (guint64) G_GINT64_CONSTANT (0x00ff000000000000U)) >> 40)
| \
        (((guint64)    (val)    &    (guint64)    G_GINT64_CONSTANT
(0xff00000000000000U)) \
        >> 56)))
```

```
#define g_ascii_isalnum(c)       \
        ((g_ascii_table[(guchar) (c)] & G_ASCII_ALNUM) != 0)
#define g_ascii_isalpha(c)       \
        ((g_ascii_table[(guchar) (c)] & G_ASCII_ALPHA) != 0)
#define g_ascii_iscntrl(c)       \
        ((g_ascii_table[(guchar) (c)] & G_ASCII_CNTRL) != 0)
#define g_ascii_isdigit(c)       \
        ((g_ascii_table[(guchar) (c)] & G_ASCII_DIGIT) != 0)
#define g_ascii_isgraph(c)       \
        ((g_ascii_table[(guchar) (c)] & G_ASCII_GRAPH) != 0)
#define g_ascii_islower(c)       \
        ((g_ascii_table[(guchar) (c)] & G_ASCII_LOWER) != 0)
#define g_ascii_isprint(c)       \
        ((g_ascii_table[(guchar) (c)] & G_ASCII_PRINT) != 0)
#define g_ascii_ispunct(c)       \
        ((g_ascii_table[(guchar) (c)] & G_ASCII_PUNCT) != 0)
#define g_ascii_isspace(c)       \
        ((g_ascii_table[(guchar) (c)] & G_ASCII_SPACE) != 0)
#define g_ascii_isupper(c)       \
        ((g_ascii_table[(guchar) (c)] & G_ASCII_UPPER) != 0)
#define g_ascii_isxdigit(c)      \
        ((g_ascii_table[(guchar) (c)] & G_ASCII_XDIGIT) != 0)
#define G_HOOK_ACTIVE(hook)      \
        ((G_HOOK_FLAGS (hook) & G_HOOK_FLAG_ACTIVE) != 0)
#define G_HOOK_IN_CALL(hook)     \
        ((G_HOOK_FLAGS (hook) & G_HOOK_FLAG_IN_CALL) != 0)
#define g_node_first_child(node)         \
        ((node) ? ((GNode*) (node))->children : NULL)
#define g_node_next_sibling(node)        \
        ((node) ? ((GNode*) (node))->next : NULL)
#define g_node_prev_sibling(node)        \
        ((node) ? ((GNode*) (node))->prev : NULL)
#define g_new(struct_type,n_structs)     \
        ((struct_type *) g_malloc (((gsize) sizeof (struct_type))
* ((gsize) \
        (n_structs))))
#define g_new0(struct_type,n_structs)    \
        ((struct_type     *)     g_malloc0     (((gsize)     sizeof
(struct_type)) * ((gsize) \
        (n_structs))))
#define g_renew(struct_type,mem,n_structs)       \
        ((struct_type   *)   g_realloc   ((mem),   ((gsize)   sizeof
(struct_type)) * \
        ((gsize) (n_structs))))
#define g_newa(struct_type,n_structs)    \
        ((struct_type*) g_alloca (sizeof (struct_type) * (gsize)
\
        (n_structs)))
#define        G_STRUCT_MEMBER(member_type,struct_p,struct_offset)
\
        (*(member_type*)      G_STRUCT_MEMBER_P      ((struct_p),
(struct_offset)))
#define G_THREAD_UF(op,arglist)  \
        (*g_thread_functions_for_glib_use . op) arglist
#define GLIB_CHECK_VERSION(major,minor,micro)    \
        (GLIB_MAJOR_VERSION > (major) || (GLIB_MAJOR_VERSION ==
(major) && \
        GLIB_MINOR_VERSION > (minor)) || (GLIB_MAJOR_VERSION ==
(major) && \
        GLIB_MINOR_VERSION == (minor) && GLIB_MICRO_VERSION >=
(micro)))
#define g_atomic_int_dec_and_test(atomic)        \
        (g_atomic_int_exchange_and_add ((atomic), -1) == 1)
#define g_static_mutex_get_mutex_impl_shortcut(mutex)    \
        (g_atomic_pointer_get ((gpointer*)mutex) ? *(mutex) : \
        g_static_mutex_get_mutex_impl (mutex))
```

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```
#define g_datalist_get_data(dl,k)        \
        (g_datalist_id_get_data ((dl), g_quark_try_string (k)))
#define g_dataset_get_data(l,k)  \
        (g_dataset_id_get_data ((l), g_quark_try_string (k)))
#define G_HOOK_IS_VALID(hook)    \
        (G_HOOK (hook)->hook_id != 0 && (G_HOOK_FLAGS (hook) & \
        G_HOOK_FLAG_ACTIVE))
#define G_HOOK_IS_UNLINKED(hook)         \
        (G_HOOK (hook)->next == NULL && G_HOOK (hook)->prev ==
NULL && G_HOOK \
        (hook)->hook_id == 0 && G_HOOK (hook)->ref_count == 0)
#define g_thread_create(func,data,joinable,error)        \
        (g_thread_create_full (func, data, 0, joinable, FALSE, \
        G_THREAD_PRIORITY_NORMAL, error))
#define G_THREAD_ECF(op,fail,mutex,type)         \
        (g_thread_supported () ? ((type(*)(GMutex*, gulong,
gchar*)) \
        (*g_thread_functions_for_glib_use . op)) (mutex,
G_MUTEX_DEBUG_MAGIC, \
        G_STRLOC) : (fail))
#define G_THREAD_CF(op,fail,arg)         \
        (g_thread_supported () ? G_THREAD_UF (op, arg) : (fail))
#define g_static_mutex_get_mutex(mutex)  \
        (g_thread_use_default_impl ? ((GMutex*) &((mutex)-
>static_mutex)) : \
        g_static_mutex_get_mutex_impl_shortcut (&((mutex)-
>runtime_mutex)))
#define G_LOCK_DEFINE(name)      \
        GStaticMutex G_LOCK_NAME (name) = G_STATIC_MUTEX_INIT
#define g_datalist_remove_no_notify(dl,k)        \
        g_datalist_id_remove_no_notify ((dl), g_quark_try_string
(k))
#define g_datalist_id_remove_data(dl,q)  \
        g_datalist_id_set_data ((dl), (q), NULL)
#define g_datalist_remove_data(dl,k)     \
        g_datalist_id_set_data ((dl), g_quark_try_string (k),
NULL)
#define g_datalist_id_set_data(dl,q,d)   \
        g_datalist_id_set_data_full ((dl), (q), (d), NULL)
#define g_datalist_set_data_full(dl,k,d,f)       \
        g_datalist_id_set_data_full ((dl), g_quark_from_string
(k), (d), (f))
#define g_datalist_set_data(dl,k,d)      \
        g_datalist_set_data_full ((dl), (k), (d), NULL)
#define g_dataset_remove_no_notify(l,k)  \
        g_dataset_id_remove_no_notify ((l), g_quark_try_string
(k))
#define g_dataset_id_remove_data(l,k)    \
        g_dataset_id_set_data ((l), (k), NULL)
#define g_dataset_remove_data(l,k)       \
        g_dataset_id_set_data ((l), g_quark_try_string (k), NULL)
#define g_dataset_id_set_data(l,k,d)     \
        g_dataset_id_set_data_full ((l), (k), (d), NULL)
#define g_dataset_set_data_full(l,k,d,f)         \
        g_dataset_id_set_data_full ((l), g_quark_from_string (k),
(d), (f))
#define g_dataset_set_data(l,k,d)        \
        g_dataset_set_data_full ((l), (k), (d), NULL)
#define g_hook_append(hook_list,hook)    \
        g_hook_insert_before ((hook_list), NULL, (hook))
#define g_critical(...)  \
        g_log (G_LOG_DOMAIN, G_LOG_LEVEL_CRITICAL, __VA_ARGS__)
#define g_message(...)   \
        g_log (G_LOG_DOMAIN, G_LOG_LEVEL_MESSAGE, __VA_ARGS__)
#define g_warning(...)   \
        g_log (G_LOG_DOMAIN, G_LOG_LEVEL_WARNING, __VA_ARGS__)
```

```
#define g_static_mutex_lock(mutex)       \
        g_mutex_lock (g_static_mutex_get_mutex (mutex))
#define g_static_mutex_trylock(mutex)    \
        g_mutex_trylock (g_static_mutex_get_mutex (mutex))
#define g_static_mutex_unlock(mutex)     \
        g_mutex_unlock (g_static_mutex_get_mutex (mutex))
#define g_node_insert_data(parent,position,data)         \
        g_node_insert ((parent), (position), g_node_new (data))
#define g_node_insert_data_before(parent,sibling,data)   \
        g_node_insert_before  ((parent),  (sibling),  g_node_new
(data))
#define g_node_append(parent,node)       \
        g_node_insert_before ((parent), NULL, (node))
#define g_node_append_data(parent,data)  \
        g_node_insert_before ((parent), NULL, g_node_new (data))
#define g_node_prepend_data(parent,data)         \
        g_node_prepend ((parent), g_node_new (data))
#define g_chunk_free(mem,mem_chunk)      \
        G_STMT_START  {  g_mem_chunk_free  ((mem_chunk),  (mem));  }
G_STMT_END
#define g_memmove(d,s,n)         \
        G_STMT_START { memmove ((d), (s), (n)); } G_STMT_END
#define g_assert_not_reached()   \
        G_STMT_START{  g_assert_warning  (G_LOG_DOMAIN,  __FILE__,
__LINE__, \
        __PRETTY_FUNCTION__, NULL); }G_STMT_END
#define g_return_val_if_reached(val)     \
        G_STMT_START{  g_log  (G_LOG_DOMAIN,  G_LOG_LEVEL_CRITICAL,
"file %s: \
        line %d (%s): should not be reached", __FILE__, __LINE__,
\
        __PRETTY_FUNCTION__); return (val); }G_STMT_END
#define g_return_if_reached()    \
        G_STMT_START{  g_log  (G_LOG_DOMAIN,  G_LOG_LEVEL_CRITICAL,
"file %s: \
        line %d (%s): should not be reached", __FILE__, __LINE__,
\
        __PRETTY_FUNCTION__); return; }G_STMT_END
#define g_assert(expr)   \
        G_STMT_START{ if G_LIKELY(expr) { } else g_assert_warning
\
        (G_LOG_DOMAIN,  __FILE__,  __LINE__,  __PRETTY_FUNCTION__,
#expr); \
        }G_STMT_END
#define g_return_val_if_fail(expr,val)   \
        G_STMT_START{    if    G_LIKELY(expr)    {    }    else    {
g_return_if_fail_warning \
        (G_LOG_DOMAIN, __PRETTY_FUNCTION__, #expr); return (val);
}; \
        }G_STMT_END
#define g_return_if_fail(expr)   \
        G_STMT_START{    if    G_LIKELY(expr)    {    }    else    {
g_return_if_fail_warning \
        (G_LOG_DOMAIN,  __PRETTY_FUNCTION__,  #expr);  return;  };
}G_STMT_END
#define G_BREAKPOINT()   \
        G_STMT_START{    __asm__    __volatile__    ("int    $03");
}G_STMT_END
#define g_cond_broadcast(cond)   \
        G_THREAD_CF (cond_broadcast, (void)0, (cond))
#define g_cond_timed_wait(cond,mutex,abs_time)   \
        G_THREAD_CF   (cond_timed_wait,   TRUE,   (cond,   mutex,
abs_time))
#define g_cond_wait(cond,mutex)  \
        G_THREAD_CF (cond_wait, (void)0, (cond, mutex))
#define g_private_get(private_key)       \
```

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```
        G_THREAD_CF     (private_get,     ((gpointer)private_key),
(private_key))
#define g_private_set(private_key,value)         \
        G_THREAD_CF    (private_set,    (void)    (private_key    =
(GPrivate*) (value)), \
        (private_key, value))
#define G_GNUC_PRINTF(format_idx,arg_idx)        \
        __attribute__((__format__     (__printf__,     format_idx,
arg_idx)))
#define G_GNUC_SCANF(format_idx,arg_idx)         \
        __attribute__((__format__     (__scanf__,     format_idx,
arg_idx)))
#define G_STATIC_RW_LOCK_INIT    \
        { G_STATIC_MUTEX_INIT, NULL, NULL, 0, FALSE, 0, 0 }
#define G_STRINGIFY_ARG(contents)       #contents
#define G_DIR_SEPARATOR '/'
#define  g_chunk_new(type,chunk)  (  (type  *)  g_mem_chunk_alloc
(chunk) )
#define  g_chunk_new0(type,chunk)                   (   (type   *)
g_mem_chunk_alloc0 (chunk) )
#define MIN(a,b)        (((a) < (b)) ? (a) : (b))
#define ABS(a)  (((a) < 0) ? -(a) : (a))
#define MAX(a,b)        (((a) > (b)) ? (a) : (b))
#define  G_NODE_IS_LEAF(node)      (((GNode*) (node))->children ==
NULL)
#define g_array_index(a,t,i)    (((t*) (a)->data) [(i)])
#define g_ptr_array_index(array,index_) ((array)->pdata)[index_]
#define G_IS_DIR_SEPARATOR(c)   ((c) == G_DIR_SEPARATOR)
#define G_STRFUNC       ((const char*) (__PRETTY_FUNCTION__))
#define G_LOG_DOMAIN    ((gchar*) 0)
#define G_HOOK(hook)    ((GHook*) (hook))
#define GINT_TO_BE(val) ((gint) GINT32_TO_BE (val))
#define GINT_TO_LE(val) ((gint) GINT32_TO_LE (val))
#define GINT16_TO_LE(val)       ((gint16) (val))
#define G_MAXINT16      ((gint16) 0x7fff)
#define G_MININT16      ((gint16) 0x8000)
#define  GINT16_TO_BE(val)           ((gint16)  GUINT16_SWAP_LE_BE
(val))
#define GINT32_TO_LE(val)       ((gint32) (val))
#define G_MAXINT32      ((gint32) 0x7fffffff)
#define G_MININT32      ((gint32) 0x80000000)
#define  GINT32_TO_BE(val)           ((gint32)  GUINT32_SWAP_LE_BE
(val))
#define GINT64_TO_LE(val)       ((gint64) (val))
#define  GINT64_TO_BE(val)           ((gint64)  GUINT64_SWAP_LE_BE
(val))
#define G_MAXINT8       ((gint8) 0x7f)
#define G_MININT8       ((gint8) 0x80)
#define GSIZE_TO_POINTER(s)     ((gpointer) (gsize) (s))
#define GPOINTER_TO_SIZE(p)     ((gsize) (p))
#define GUINT_TO_BE(val)        ((guint) GUINT32_TO_BE (val))
#define GUINT_TO_LE(val)        ((guint) GUINT32_TO_LE (val))
#define GUINT16_SWAP_LE_PDP(val)        ((guint16) (val))
#define GUINT16_TO_LE(val)      ((guint16) (val))
#define G_MAXUINT16     ((guint16) 0xffff)
#define GUINT32_TO_LE(val)      ((guint32) (val))
#define G_MAXUINT32     ((guint32) 0xffffffff)
#define GUINT64_TO_LE(val)      ((guint64) (val))
#define G_MAXUINT8      ((guint8) 0xff)
#define g_random_boolean()      ((g_random_int () & (1 << 15)) !=
0)
#define g_rand_boolean(rand_)   ((g_rand_int (rand_) & (1 << 15))
!= 0)
#define  g_list_next(list)          ((list)  ?  (((GList  *)(list))-
>next) : NULL)
```

```
#define  g_list_previous(list)     ((list)  ?  (((GList  *)(list))-
>prev) : NULL)
#define g_slist_next(slist)      ((slist) ? (((GSList *)(slist))-
>next) : NULL)
#define g_atomic_int_get(atomic)        (*(atomic))
#define g_atomic_pointer_get(atomic)    (*(atomic))
#define G_LOG_2_BASE_10 (0.30102999566398119521)
#define G_ALLOCATOR_LIST        (1)
#define G_IEEE754_DOUBLE_BIAS   (1023)
#define G_IEEE754_FLOAT_BIAS    (127)
#define G_ALLOCATOR_SLIST       (2)
#define G_ASCII_DTOSTR_BUF_SIZE (29 + 10)
#define G_ALLOCATOR_NODE        (3)
#define G_HOOK_FLAG_USER_SHIFT  (4)
#define G_LOG_LEVEL_USER_SHIFT  (8)
#define g_ATEXIT(proc)  (atexit (proc))
#define   g_utf8_next_char(p)                 (char    *)((p)    +
g_utf8_skip[*(guchar *)(p)])
#define G_LIKELY(expr)  (expr)
#define G_UNLIKELY(expr)        (expr)
#define GINT16_FROM_BE(val)     (GINT16_TO_BE (val))
#define GINT16_FROM_LE(val)     (GINT16_TO_LE (val))
#define GINT32_FROM_BE(val)     (GINT32_TO_BE (val))
#define GINT32_FROM_LE(val)     (GINT32_TO_LE (val))
#define GINT64_FROM_BE(val)     (GINT64_TO_BE (val))
#define GINT64_FROM_LE(val)     (GINT64_TO_LE (val))
#define GINT_FROM_BE(val)       (GINT_TO_BE (val))
#define GINT_FROM_LE(val)       (GINT_TO_LE (val))
#define GLONG_FROM_BE(val)      (GLONG_TO_BE (val))
#define GLONG_FROM_LE(val)      (GLONG_TO_LE (val))
#define g_ntohs(val)    (GUINT16_FROM_BE (val))
#define  GUINT16_SWAP_BE_PDP(val)              (GUINT16_SWAP_LE_BE
(val))
#define GUINT16_TO_BE(val)      (GUINT16_SWAP_LE_BE (val))
#define    GUINT16_SWAP_LE_BE(val)    (GUINT16_SWAP_LE_BE_CONSTANT
(val))
#define GUINT16_FROM_BE(val)    (GUINT16_TO_BE (val))
#define g_htons(val)    (GUINT16_TO_BE (val))
#define GUINT16_FROM_LE(val)    (GUINT16_TO_LE (val))
#define g_ntohl(val)    (GUINT32_FROM_BE (val))
#define GUINT32_TO_BE(val)      (GUINT32_SWAP_LE_BE (val))
#define    GUINT32_SWAP_LE_BE(val)    (GUINT32_SWAP_LE_BE_CONSTANT
(val))
#define GUINT32_FROM_BE(val)    (GUINT32_TO_BE (val))
#define g_htonl(val)    (GUINT32_TO_BE (val))
#define GUINT32_FROM_LE(val)    (GUINT32_TO_LE (val))
#define GUINT64_TO_BE(val)      (GUINT64_SWAP_LE_BE (val))
#define    GUINT64_SWAP_LE_BE(val)    (GUINT64_SWAP_LE_BE_CONSTANT
(val))
#define GUINT64_FROM_BE(val)    (GUINT64_TO_BE (val))
#define GUINT64_FROM_LE(val)    (GUINT64_TO_LE (val))
#define GUINT_FROM_BE(val)      (GUINT_TO_BE (val))
#define GUINT_FROM_LE(val)      (GUINT_TO_LE (val))
#define GULONG_FROM_BE(val)     (GULONG_TO_BE (val))
#define GULONG_FROM_LE(val)     (GULONG_TO_LE (val))
#define  g_atomic_int_inc(atomic)               (g_atomic_int_add
((atomic), 1))
#define G_HOOK_FLAGS(hook)      (G_HOOK (hook)->flags)
#define  G_LOG_FATAL_MASK                (G_LOG_FLAG_RECURSION  |
G_LOG_LEVEL_ERROR)
#define G_OPTION_ERROR  (g_option_error_quark ())
#define g_thread_supported()    (g_threads_got_initialized)
#define  G_N_ELEMENTS(arr)              (sizeof  (arr)  /  sizeof
((arr)[0]))
#define G_STMT_START    (void) __extension__ (
#define G_STMT_END      )
```

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```
#define G_PRIORITY_HIGH -100
#define G_DIR_SEPARATOR_S       "/"
#define G_HAVE_GROWING_STACK    0
#define G_PRIORITY_DEFAULT      0
#define                                                        G_LN2
0.69314718055994530941723212145817656807550013436026
#define                                                       G_PI_4
0.78539816339744830961566084581987572104929234984378
#define G_CSET_DIGITS   "0123456789"
#define G_DATE_BAD_DAY  0U
#define G_DATE_BAD_JULIAN       0U
#define G_DATE_BAD_YEAR 0U
#define G_MUTEX_DEBUG_MAGIC     0xf8e18ad7
#define G_ALLOC_ONLY    1
#define G_CAN_INLINE    1
#define G_HAVE_GINT64   1
#define G_HAVE_GNUC_VARARGS     1
#define G_HAVE_GNUC_VISIBILITY  1
#define G_HAVE_INLINE   1
#define G_HAVE_ISO_VARARGS      1
#define G_HAVE___INLINE 1
#define G_HAVE___INLINE__       1
#define                                                     G_SQRT2
1.4142135623730950488016887242096980785696718753769
#define                                                       G_PI_2
1.5707963267948966192313216916397514420985846996876
#define G_PRIORITY_HIGH_IDLE    100
#define G_USEC_PER_SEC  1000000
#define G_LITTLE_ENDIAN 1234
#define GLIB_MAJOR_VERSION      2
#define G_ALLOC_AND_FREE        2
#define                                                      G_LN10
2.3025850929940456840179914546843642076011014886288
#define                                                          G_E
2.7182818284590452353602874713526624977572470937000
#define G_PRIORITY_DEFAULT_IDLE 200
#define                                                         G_PI
3.1415926535897932384626433832795028841971693993751
#define G_PRIORITY_LOW  300
#define G_PDP_ENDIAN    3412
#define G_BIG_ENDIAN    4321
#define GLIB_MICRO_VERSION      6
#define GLIB_MINOR_VERSION      6
#define G_SEARCHPATH_SEPARATOR  :
#define G_SEARCHPATH_SEPARATOR_S        ":"
#define GLIB_SYSDEF_POLLIN      =1
#define GLIB_SYSDEF_POLLHUP     =16
#define GLIB_SYSDEF_POLLPRI     =2
#define GLIB_SYSDEF_POLLNVAL    =32
#define GLIB_SYSDEF_POLLOUT     =4
#define GLIB_SYSDEF_POLLERR     =8
#define G_CSET_A_2_Z    "ABCDEFGHIJKLMNOPQRSTUVWXYZ"
#define G_CSET_a_2_z    "abcdefghijklmnopqrstuvwxyz"
#define g_alloca(size)  alloca (size)
#define G_CONST_RETURN  const
#define G_MAXDOUBLE     DBL_MAX
#define G_MINDOUBLE     DBL_MIN
#define GLIB_VAR        extern
#define G_LOCK_EXTERN(name)       extern GStaticMutex G_LOCK_NAME
(name)
#define G_INLINE_FUNC   extern inline
#define G_MAXFLOAT      FLT_MAX
#define G_MINFLOAT      FLT_MIN
#define G_MEM_ALIGN     GLIB_SIZEOF_LONG
#define g_array_append_val(a,v) g_array_append_vals (a, &(v), 1)
```

```
#define g_array_insert_val(a,i,v)         g_array_insert_vals (a,
i, &(v), 1)
#define g_array_prepend_val(a,v)         g_array_prepend_vals (a,
&(v), 1)
#define ATEXIT(proc)    g_ATEXIT(proc)
#define G_CONVERT_ERROR g_convert_error_quark()
#define g_date_day      g_date_get_day
#define g_date_days_in_month    g_date_get_days_in_month
#define g_date_day_of_year      g_date_get_day_of_year
#define g_date_julian   g_date_get_julian
#define                                g_date_monday_weeks_in_year
g_date_get_monday_weeks_in_year
#define                                 g_date_monday_week_of_year
g_date_get_monday_week_of_year
#define g_date_month    g_date_get_month
#define                                g_date_sunday_weeks_in_year
g_date_get_sunday_weeks_in_year
#define                                 g_date_sunday_week_of_year
g_date_get_sunday_week_of_year
#define g_date_weekday  g_date_get_weekday
#define g_date_year     g_date_get_year
#define G_FILE_ERROR    g_file_error_quark ()
#define G_MAXINT64      G_GINT64_CONSTANT(0x7fffffffffffffff)
#define G_MININT64      G_GINT64_CONSTANT(0x8000000000000000)
#define G_MAXUINT64     G_GINT64_CONSTANT(0xffffffffffffffffU)
#define G_IO_CHANNEL_ERROR      g_io_channel_error_quark()
#define G_KEY_FILE_ERROR        g_key_file_error_quark()
#define G_BYTE_ORDER    G_LITTLE_ENDIAN
#define g_debug(...)      g_log (G_LOG_DOMAIN, G_LOG_LEVEL_DEBUG,
__VA_ARGS__)
#define g_error(...)      g_log (G_LOG_DOMAIN, G_LOG_LEVEL_ERROR,
__VA_ARGS__)
#define G_MARKUP_ERROR  g_markup_error_quark ()
#define G_SHELL_ERROR   g_shell_error_quark ()
#define G_SPAWN_ERROR   g_spawn_error_quark ()
#define G_LOCK(name)    g_static_mutex_lock (&G_LOCK_NAME (name))
#define   G_TRYLOCK(name)   g_static_mutex_trylock   (&G_LOCK_NAME
(name))
#define   G_UNLOCK(name)     g_static_mutex_unlock   (&G_LOCK_NAME
(name))
#define g_strstrip(string)      g_strchomp (g_strchug (string))
#define   G_STRINGIFY(macro_or_string)            G_STRINGIFY_ARG
(macro_or_string)
#define g_cond_free(cond)        G_THREAD_CF (cond_free, (void)0,
(cond))
#define  g_cond_signal(cond)           G_THREAD_CF  (cond_signal,
(void)0, (cond))
#define g_mutex_free(mutex)     G_THREAD_CF (mutex_free, (void)0,
(mutex))
#define g_mutex_lock(mutex)     G_THREAD_CF (mutex_lock, (void)0,
(mutex))
#define g_mutex_trylock(mutex)  G_THREAD_CF (mutex_trylock, TRUE,
(mutex))
#define   g_mutex_unlock(mutex)        G_THREAD_CF   (mutex_unlock,
(void)0, (mutex))
#define  g_thread_yield()              G_THREAD_CF  (thread_yield,
(void)0, ())
#define G_THREAD_ERROR  g_thread_error_quark ()
#define g_cond_new()    G_THREAD_UF (cond_new, ())
#define g_mutex_new()   G_THREAD_UF (mutex_new, ())
#define g_private_new(destructor)        G_THREAD_UF (private_new,
(destructor))
#define G_LOCK_NAME(name)       g__ ## name ## _lock
#define G_GINT16_MODIFIER       "h"
#define G_GINT16_FORMAT "hi"
#define G_GUINT16_FORMAT        "hu"
```

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```
#define G_GINT32_FORMAT "i"
#define G_MAXINT        INT_MAX
#define G_MININT        INT_MIN
#define G_MAXLONG       LONG_MAX
#define G_MINLONG       LONG_MIN
#define G_MAXSHORT      SHRT_MAX
#define G_MINSHORT      SHRT_MIN
#define G_MODULE_SUFFIX "so"
#define  G_LOCK_DEFINE_STATIC(name)          static  G_LOCK_DEFINE
(name)
#define G_GUINT32_FORMAT        "u"
#define G_MAXUINT       UINT_MAX
#define G_MAXULONG      ULONG_MAX
#define G_MAXUSHORT     USHRT_MAX
#define G_VA_COPY       va_copy
#define G_STR_DELIMITERS        "_-|> <."
#define G_GNUC_INTERNAL __attribute__((visibility("hidden")))
#define G_GNUC_CONST    __attribute__((__const__))
#define G_GNUC_DEPRECATED       __attribute__((__deprecated__))
#define   G_GNUC_FORMAT(arg_idx)     __attribute__((__format_arg__
(arg_idx)))
#define G_GNUC_MALLOC   __attribute__((__malloc__))
#define G_GNUC_NORETURN __attribute__((__noreturn__))
#define                                      G_GNUC_NO_INSTRUMENT
__attribute__((__no_instrument_function__))
#define G_GNUC_PURE     __attribute__((__pure__))
#define G_GNUC_UNUSED   __attribute__((__unused__))
#define alloca(size)    __builtin_alloca (size)
#define G_GNUC_EXTENSION        __extension__
#define G_STRLOC        __FILE__ ":" G_STRINGIFY (__LINE__)
#define G_STATIC_PRIVATE_INIT   { 0 }
#define G_ONCE_INIT     { G_ONCE_STATUS_NOTCALLED, NULL }
#define G_STATIC_REC_MUTEX_INIT { G_STATIC_MUTEX_INIT }

typedef short unsigned int guint16;
typedef int gint;
typedef gint gboolean;
typedef unsigned int guint;
typedef void *gpointer;
typedef gpointer(*GThreadFunc) (gpointer);
typedef enum {
    G_THREAD_PRIORITY_LOW = 0,
    G_THREAD_PRIORITY_NORMAL = 1,
    G_THREAD_PRIORITY_HIGH = 2,
    G_THREAD_PRIORITY_URGENT = 3
} GThreadPriority;
typedef struct _GThread {
    GThreadFunc func;
    gpointer data;
    gboolean joinable;
    GThreadPriority priority;
} GThread;
typedef unsigned int guint32;
typedef guint32 GQuark;
typedef char gchar;
typedef struct _GError {
    GQuark domain;
    gint code;
    gchar *message;
} GError;
typedef void (*GPrintFunc) (const gchar *);
typedef struct _GMemChunk GMemChunk;
typedef long unsigned int gulong;
typedef struct _GList {
    gpointer data;
    GList *next;
```

```
    GList *prev;
} GList;
typedef struct _GMainLoop GMainLoop;
typedef struct _GHook {
    gpointer data;
    GHook *next;
    GHook *prev;
    guint ref_count;
    gulong hook_id;
    guint flags;
    gpointer func;
    GDestroyNotify destroy;
} GHook;
typedef void (*GDestroyNotify) (gpointer);
typedef struct _GHookList {
    gulong seq_id;
    guint hook_size:16;
    guint is_setup:1;
    GHook *hooks;
    GMemChunk *hook_memchunk;
    GHookFinalizeFunc finalize_hook;
    gpointer dummy[2];
} GHookList;
typedef void (*GHookFinalizeFunc) (GHookList *, GHook *);
typedef struct _GQueue {
    GList *head;
    GList *tail;
    guint length;
} GQueue;
typedef struct _GSList {
    gpointer data;
    GSList *next;
} GSList;
typedef struct _GString {
    gchar *str;
    gsize len;
    gsize allocated_len;
} GString;
typedef struct _GPtrArray {
    gpointer *pdata;
    guint len;
} GPtrArray;
typedef struct _GRand GRand;
typedef struct _GDir GDir;
typedef struct _GRelation GRelation;
typedef struct _GOptionContext GOptionContext;
typedef struct _GKeyFile GKeyFile;
typedef struct _GPatternSpec GPatternSpec;
typedef guint32 gunichar;
typedef gchar *(*GCompletionFunc) (gpointer);
typedef gint(*GCompletionStrncmpFunc) (const gchar *, const gchar
*,
                                       gsize);
typedef struct _GCompletion {
    GList *items;
    GCompletionFunc func;
    gchar *prefix;
    GList *cache;
    GCompletionStrncmpFunc strncmp_func;
} GCompletion;
typedef struct _GTimer GTimer;
typedef struct _GHashTable GHashTable;
typedef const void *gconstpointer;
typedef guint(*GHashFunc) (gconstpointer);
typedef gboolean(*GEqualFunc) (gconstpointer, gconstpointer);
typedef struct _GStaticMutex {
```

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```
    struct _GMutex *runtime_mutex;
    union {
        char pad[GLIB_LSB_PADDING_SIZE];
        double dummy_double;
        void *dummy_pointer;
        long int dummy_long;
    } static_mutex;
} GStaticMutex;
typedef union _GSystemThread {
    char data[GLIB_LSB_DATA_SIZE];
    double dummy_double;
    void *dummy_pointer;
    long int dummy_long;
} GSystemThread;
typedef struct _GStaticRecMutex {
    GStaticMutex mutex;
    guint depth;
    GSystemThread owner;
} GStaticRecMutex;
typedef struct _GMarkupParseContext GMarkupParseContext;
typedef struct _GData GData;
typedef enum {
    G_IO_STATUS_ERROR = 0,
    G_IO_STATUS_NORMAL = 1,
    G_IO_STATUS_EOF = 2,
    G_IO_STATUS_AGAIN = 3
} GIOStatus;
typedef struct _GIOChannel {
    guint ref_count;
    GIOFuncs *funcs;
    gchar *encoding;
    GIConv read_cd;
    GIConv write_cd;
    gchar *line_term;
    guint line_term_len;
    gsize buf_size;
    GString *read_buf;
    GString *encoded_read_buf;
    GString *write_buf;
    gchar partial_write_buf[6];
    guint use_buffer:1;
    guint do_encode:1;
    guint close_on_unref:1;
    guint is_readable:1;
    guint is_writeable:1;
    guint is_seekable:1;
    gpointer reserved1;
    gpointer reserved2;
} GIOChannel;
typedef enum {
    G_SEEK_CUR = 0,
    G_SEEK_SET = 1,
    G_SEEK_END = 2
} GSeekType;
typedef struct _GSource {
    gpointer callback_data;
    GSourceCallbackFuncs *callback_funcs;
    GSourceFuncs *source_funcs;
    guint ref_count;
    GMainContext *context;
    gint priority;
    guint flags;
    guint source_id;
    GSList *poll_fds;
    GSource *prev;
    GSource *next;
```

```
    gpointer reserved1;
    gpointer reserved2;
} GSource;
typedef gboolean(*GSourceFunc) (gpointer);
typedef struct _GSourceCallbackFuncs {
    void (*ref) (gpointer);
    void (*unref) (gpointer);
    void (*get) (gpointer, GSource *, GSourceFunc *, gpointer *);
} GSourceCallbackFuncs;
typedef void (*GSourceDummyMarshal) (void);
typedef struct _GSourceFuncs {
    gboolean(*prepare) (GSource *, gint *);
    gboolean(*check) (GSource *);
    gboolean(*dispatch) (GSource *, GSourceFunc, gpointer);
    void (*finalize) (GSource *);
    GSourceFunc closure_callback;
    GSourceDummyMarshal closure_marshal;
} GSourceFuncs;
typedef struct _GMainContext GMainContext;
typedef enum {
    G_IO_IN = 1,
    G_IO_OUT = 4,
    G_IO_PRI = 2,
    G_IO_ERR = 8,
    G_IO_HUP = 16,
    G_IO_NVAL = 32
} GIOCondition;
typedef enum {
    G_IO_FLAG_APPEND = 1,
    G_IO_FLAG_NONBLOCK = 2,
    G_IO_FLAG_IS_READABLE = 4,
    G_IO_FLAG_IS_WRITEABLE = 8,
    G_IO_FLAG_IS_SEEKABLE = 16,
    G_IO_FLAG_MASK = 31,
    G_IO_FLAG_GET_MASK = 31,
    G_IO_FLAG_SET_MASK = 3
} GIOFlags;
typedef struct _GIOFuncs {
    GIOStatus(*io_read) (GIOChannel *, gchar *, gsize, gsize *,
                         GError * *);
    GIOStatus(*io_write)  (GIOChannel  *,  const  gchar  *,  gsize,
gsize *,
                          GError * *);
    GIOStatus(*io_seek) (GIOChannel *, gint64, GSeekType, GError
* *);
    GIOStatus(*io_close) (GIOChannel *, GError * *);
    GSource *(*io_create_watch) (GIOChannel *, GIOCondition);
    void (*io_free) (GIOChannel *);
     GIOStatus(*io_set_flags) (GIOChannel *, GIOFlags, GError *
*);
     GIOFlags(*io_get_flags) (GIOChannel *);
} GIOFuncs;
typedef struct _GIConv *GIConv;
typedef struct _GOptionGroup GOptionGroup;
typedef enum {
    G_SPAWN_LEAVE_DESCRIPTORS_OPEN = 1,
    G_SPAWN_DO_NOT_REAP_CHILD = 2,
    G_SPAWN_SEARCH_PATH = 4,
    G_SPAWN_STDOUT_TO_DEV_NULL = 8,
    G_SPAWN_STDERR_TO_DEV_NULL = 16,
    G_SPAWN_CHILD_INHERITS_STDIN = 32,
    G_SPAWN_FILE_AND_ARGV_ZERO = 64
} GSpawnFlags;
typedef void (*GSpawnChildSetupFunc) (gpointer);
typedef int GPid;
typedef void (*GFunc) (gpointer, gpointer);
```

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```
typedef struct _GThreadPool {
    GFunc func;
    gpointer user_data;
    gboolean exclusive;
} GThreadPool;
typedef struct _GDate {
    guint julian_days:32;
    guint julian:1;
    guint dmy:1;
    guint day:6;
    guint month:4;
    guint year:16;
} GDate;
typedef enum {
    G_DATE_BAD_MONTH = 0,
    G_DATE_JANUARY = 1,
    G_DATE_FEBRUARY = 2,
    G_DATE_MARCH = 3,
    G_DATE_APRIL = 4,
    G_DATE_MAY = 5,
    G_DATE_JUNE = 6,
    G_DATE_JULY = 7,
    G_DATE_AUGUST = 8,
    G_DATE_SEPTEMBER = 9,
    G_DATE_OCTOBER = 10,
    G_DATE_NOVEMBER = 11,
    G_DATE_DECEMBER = 12
} GDateMonth;
typedef struct _GAsyncQueue GAsyncQueue;
typedef short unsigned int gushort;
typedef struct _GPollFD {
    gint fd;
    gushort events;
    gushort revents;
} GPollFD;
typedef double gdouble;
typedef struct _GTree GTree;
typedef  gint(*GCompareDataFunc)  (gconstpointer,  gconstpointer,
gpointer);
typedef unsigned char guint8;
typedef guint16 GDateYear;
typedef struct _GCache GCache;
typedef void (*GHFunc) (gpointer, gpointer, gpointer);
typedef struct _GScannerConfig {
    gchar *cset_skip_characters;
    gchar *cset_identifier_first;
    gchar *cset_identifier_nth;
    gchar *cpair_comment_single;
    guint case_sensitive:1;
    guint skip_comment_multi:1;
    guint skip_comment_single:1;
    guint scan_comment_multi:1;
    guint scan_identifier:1;
    guint scan_identifier_1char:1;
    guint scan_identifier_NULL:1;
    guint scan_symbols:1;
    guint scan_binary:1;
    guint scan_octal:1;
    guint scan_float:1;
    guint scan_hex:1;
    guint scan_hex_dollar:1;
    guint scan_string_sq:1;
    guint scan_string_dq:1;
    guint numbers_2_int:1;
    guint int_2_float:1;
    guint identifier_2_string:1;
```

```
        guint char_2_token:1;
        guint symbol_2_token:1;
        guint scope_0_fallback:1;
        guint store_int64:1;
        guint padding_dummy;
    } GScannerConfig;
    typedef enum {
        G_TOKEN_EOF = 0,
        G_TOKEN_LEFT_PAREN = 40,
        G_TOKEN_RIGHT_PAREN = 41,
        G_TOKEN_LEFT_CURLY = 123,
        G_TOKEN_RIGHT_CURLY = 125,
        G_TOKEN_LEFT_BRACE = 91,
        G_TOKEN_RIGHT_BRACE = 93,
        G_TOKEN_EQUAL_SIGN = 61,
        G_TOKEN_COMMA = 44,
        G_TOKEN_NONE = 256,
        G_TOKEN_ERROR = 257,
        G_TOKEN_CHAR = 258,
        G_TOKEN_BINARY = 259,
        G_TOKEN_OCTAL = 260,
        G_TOKEN_INT = 261,
        G_TOKEN_HEX = 262,
        G_TOKEN_FLOAT = 263,
        G_TOKEN_STRING = 264,
        G_TOKEN_SYMBOL = 265,
        G_TOKEN_IDENTIFIER = 266,
        G_TOKEN_IDENTIFIER_NULL = 267,
        G_TOKEN_COMMENT_SINGLE = 268,
        G_TOKEN_COMMENT_MULTI = 269,
        G_TOKEN_LAST = 270
    } GTokenType;
    typedef unsigned char guchar;
    typedef union _GTokenValue {
        gpointer v_symbol;
        gchar *v_identifier;
        gulong v_binary;
        gulong v_octal;
        gulong v_int;
        guint64 v_int64;
        gdouble v_float;
        gulong v_hex;
        gchar *v_string;
        gchar *v_comment;
        guchar v_char;
        guint v_error;
    } GTokenValue;
    typedef struct _GScanner {
        gpointer user_data;
        guint max_parse_errors;
        guint parse_errors;
        const gchar *input_name;
        GData *qdata;
        GScannerConfig *config;
        GTokenType token;
        GTokenValue value;
        guint line;
        guint position;
        GTokenType next_token;
        GTokenValue next_value;
        guint next_line;
        guint next_position;
        GHashTable *symbol_table;
        gint input_fd;
        const gchar *text;
        const gchar *text_end;
```

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```
    gchar *buffer;
    guint scope_id;
    GScannerMsgFunc msg_handler;
} GScanner;
typedef void (*GScannerMsgFunc) (GScanner *, gchar *, gboolean);
typedef struct _GByteArray {
    guint8 *data;
    guint len;
} GByteArray;
typedef enum {
    G_KEY_FILE_NONE = 0,
    G_KEY_FILE_KEEP_COMMENTS = 1,
    G_KEY_FILE_KEEP_TRANSLATIONS = 2
} GKeyFileFlags;
typedef struct _GTrashStack {
    GTrashStack *next;
} GTrashStack;
typedef guint16 gunichar2;
typedef long int glong;
typedef struct _GArray {
    gchar *data;
    guint len;
} GArray;
typedef struct _GNode {
    gpointer data;
    GNode *next;
    GNode *prev;
    GNode *parent;
    GNode *children;
} GNode;
typedef gboolean(*GHRFunc) (gpointer, gpointer, gpointer);
typedef gint(*GCompareFunc) (gconstpointer, gconstpointer);
typedef int gint32;
typedef gint32 GTime;
typedef gint(*GPollFunc) (GPollFD *, guint, gint);
typedef guint8 GDateDay;
typedef enum {
    G_UNICODE_BREAK_MANDATORY = 0,
    G_UNICODE_BREAK_CARRIAGE_RETURN = 1,
    G_UNICODE_BREAK_LINE_FEED = 2,
    G_UNICODE_BREAK_COMBINING_MARK = 3,
    G_UNICODE_BREAK_SURROGATE = 4,
    G_UNICODE_BREAK_ZERO_WIDTH_SPACE = 5,
    G_UNICODE_BREAK_INSEPARABLE = 6,
    G_UNICODE_BREAK_NON_BREAKING_GLUE = 7,
    G_UNICODE_BREAK_CONTINGENT = 8,
    G_UNICODE_BREAK_SPACE = 9,
    G_UNICODE_BREAK_AFTER = 10,
    G_UNICODE_BREAK_BEFORE = 11,
    G_UNICODE_BREAK_BEFORE_AND_AFTER = 12,
    G_UNICODE_BREAK_HYPHEN = 13,
    G_UNICODE_BREAK_NON_STARTER = 14,
    G_UNICODE_BREAK_OPEN_PUNCTUATION = 15,
    G_UNICODE_BREAK_CLOSE_PUNCTUATION = 16,
    G_UNICODE_BREAK_QUOTATION = 17,
    G_UNICODE_BREAK_EXCLAMATION = 18,
    G_UNICODE_BREAK_IDEOGRAPHIC = 19,
    G_UNICODE_BREAK_NUMERIC = 20,
    G_UNICODE_BREAK_INFIX_SEPARATOR = 21,
    G_UNICODE_BREAK_SYMBOL = 22,
    G_UNICODE_BREAK_ALPHABETIC = 23,
    G_UNICODE_BREAK_PREFIX = 24,
    G_UNICODE_BREAK_POSTFIX = 25,
    G_UNICODE_BREAK_COMPLEX_CONTEXT = 26,
    G_UNICODE_BREAK_AMBIGUOUS = 27,
    G_UNICODE_BREAK_UNKNOWN = 28,
```

```
    G_UNICODE_BREAK_NEXT_LINE = 29,
    G_UNICODE_BREAK_WORD_JOINER = 30
} GUnicodeBreakType;
typedef struct _GStringChunk GStringChunk;
typedef struct _GCond GCond;
typedef struct _GStaticRWLock {
    GStaticMutex mutex;
    GCond *read_cond;
    GCond *write_cond;
    guint read_counter;
    gboolean have_writer;
    guint want_to_read;
    guint want_to_write;
} GStaticRWLock;
typedef void (*GChildWatchFunc) (GPid, gint, gpointer);
typedef struct _GTimeVal {
    glong tv_sec;
    glong tv_usec;
} GTimeVal;
typedef enum {
    G_LOG_FLAG_RECURSION = 1,
    G_LOG_FLAG_FATAL = 2,
    G_LOG_LEVEL_ERROR = 4,
    G_LOG_LEVEL_CRITICAL = 8,
    G_LOG_LEVEL_WARNING = 16,
    G_LOG_LEVEL_MESSAGE = 32,
    G_LOG_LEVEL_INFO = 64,
    G_LOG_LEVEL_DEBUG = 128,
    G_LOG_LEVEL_MASK = -4
} GLogLevelFlags;
typedef enum {
    G_DATE_BAD_WEEKDAY = 0,
    G_DATE_MONDAY = 1,
    G_DATE_TUESDAY = 2,
    G_DATE_WEDNESDAY = 3,
    G_DATE_THURSDAY = 4,
    G_DATE_FRIDAY = 5,
    G_DATE_SATURDAY = 6,
    G_DATE_SUNDAY = 7
} GDateWeekday;
typedef enum {
    G_IN_ORDER = 0,
    G_PRE_ORDER = 1,
    G_POST_ORDER = 2,
    G_LEVEL_ORDER = 3
} GTraverseType;
typedef enum {
    G_TRAVERSE_LEAVES = 1,
    G_TRAVERSE_NON_LEAVES = 2,
    G_TRAVERSE_ALL = 3,
    G_TRAVERSE_MASK = 3,
    G_TRAVERSE_LEAFS = 1,
    G_TRAVERSE_NON_LEAFS = 2
} GTraverseFlags;
typedef struct _GMarkupParser {
    void (*start_element) (GMarkupParseContext *, const gchar *,
                           const gchar * *, const gchar * *,
gpointer,
                           GError * *);
    void (*end_element) (GMarkupParseContext *, const gchar *,
gpointer,
                         GError * *);
    void (*text) (GMarkupParseContext *, const gchar *, gsize,
gpointer,
                  GError * *);
```

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```
    void (*passthrough) (GMarkupParseContext *, const gchar *,
gsize,
                         gpointer, GError * *);
    void (*error) (GMarkupParseContext *, GError *, gpointer);
} GMarkupParser;
typedef enum {
    G_MARKUP_DO_NOT_USE_THIS_UNSUPPORTED_FLAG = 1
} GMarkupParseFlags;
typedef gboolean(*GHookCheckMarshaller) (GHook *, gpointer);
typedef gboolean(*GNodeTraverseFunc) (GNode *, gpointer);
typedef enum {
    G_NORMALIZE_DEFAULT = 0,
    G_NORMALIZE_NFD = 0,
    G_NORMALIZE_DEFAULT_COMPOSE = 1,
    G_NORMALIZE_NFC = 1,
    G_NORMALIZE_ALL = 2,
    G_NORMALIZE_NFKD = 2,
    G_NORMALIZE_ALL_COMPOSE = 3,
    G_NORMALIZE_NFKC = 3
} GNormalizeMode;
typedef struct _GMutex GMutex;
typedef struct _GStaticPrivate {
    guint index;
} GStaticPrivate;
typedef enum {
    G_FILE_ERROR_EXIST = 0,
    G_FILE_ERROR_ISDIR = 1,
    G_FILE_ERROR_ACCES = 2,
    G_FILE_ERROR_NAMETOOLONG = 3,
    G_FILE_ERROR_NOENT = 4,
    G_FILE_ERROR_NOTDIR = 5,
    G_FILE_ERROR_NXIO = 6,
    G_FILE_ERROR_NODEV = 7,
    G_FILE_ERROR_ROFS = 8,
    G_FILE_ERROR_TXTBSY = 9,
    G_FILE_ERROR_FAULT = 10,
    G_FILE_ERROR_LOOP = 11,
    G_FILE_ERROR_NOSPC = 12,
    G_FILE_ERROR_NOMEM = 13,
    G_FILE_ERROR_MFILE = 14,
    G_FILE_ERROR_NFILE = 15,
    G_FILE_ERROR_BADF = 16,
    G_FILE_ERROR_INVAL = 17,
    G_FILE_ERROR_PIPE = 18,
    G_FILE_ERROR_AGAIN = 19,
    G_FILE_ERROR_INTR = 20,
    G_FILE_ERROR_IO = 21,
    G_FILE_ERROR_PERM = 22,
    G_FILE_ERROR_NOSYS = 23,
    G_FILE_ERROR_FAILED = 24
} GFileError;
typedef void (*GDataForeachFunc) (GQuark, gpointer, gpointer);
typedef struct _GMemVTable {
    gpointer(*malloc) (gsize);
    gpointer(*realloc) (gpointer, gsize);
    void (*free) (gpointer);
     gpointer(*calloc) (gsize, gsize);
     gpointer(*try_malloc) (gsize);
     gpointer(*try_realloc) (gpointer, gsize);
} GMemVTable;
typedef enum {
    G_OPTION_ARG_NONE = 0,
    G_OPTION_ARG_STRING = 1,
    G_OPTION_ARG_INT = 2,
    G_OPTION_ARG_CALLBACK = 3,
    G_OPTION_ARG_FILENAME = 4,
```

```
    G_OPTION_ARG_STRING_ARRAY = 5,
    G_OPTION_ARG_FILENAME_ARRAY = 6
} GOptionArg;
typedef struct _GOptionEntry {
    const gchar *long_name;
    gchar short_name;
    gint flags;
    GOptionArg arg;
    gpointer arg_data;
    const gchar *description;
    const gchar *arg_description;
} GOptionEntry;
typedef enum {
    G_UNICODE_CONTROL = 0,
    G_UNICODE_FORMAT = 1,
    G_UNICODE_UNASSIGNED = 2,
    G_UNICODE_PRIVATE_USE = 3,
    G_UNICODE_SURROGATE = 4,
    G_UNICODE_LOWERCASE_LETTER = 5,
    G_UNICODE_MODIFIER_LETTER = 6,
    G_UNICODE_OTHER_LETTER = 7,
    G_UNICODE_TITLECASE_LETTER = 8,
    G_UNICODE_UPPERCASE_LETTER = 9,
    G_UNICODE_COMBINING_MARK = 10,
    G_UNICODE_ENCLOSING_MARK = 11,
    G_UNICODE_NON_SPACING_MARK = 12,
    G_UNICODE_DECIMAL_NUMBER = 13,
    G_UNICODE_LETTER_NUMBER = 14,
    G_UNICODE_OTHER_NUMBER = 15,
    G_UNICODE_CONNECT_PUNCTUATION = 16,
    G_UNICODE_DASH_PUNCTUATION = 17,
    G_UNICODE_CLOSE_PUNCTUATION = 18,
    G_UNICODE_FINAL_PUNCTUATION = 19,
    G_UNICODE_INITIAL_PUNCTUATION = 20,
    G_UNICODE_OTHER_PUNCTUATION = 21,
    G_UNICODE_OPEN_PUNCTUATION = 22,
    G_UNICODE_CURRENCY_SYMBOL = 23,
    G_UNICODE_MODIFIER_SYMBOL = 24,
    G_UNICODE_MATH_SYMBOL = 25,
    G_UNICODE_OTHER_SYMBOL = 26,
    G_UNICODE_LINE_SEPARATOR = 27,
    G_UNICODE_PARAGRAPH_SEPARATOR = 28,
    G_UNICODE_SPACE_SEPARATOR = 29
} GUnicodeType;
typedef void (*GLogFunc) (const gchar *, GLogLevelFlags, const
gchar *,
                          gpointer);
typedef struct _GAllocator GAllocator;
typedef const gchar *(*GTranslateFunc) (const gchar *, gpointer);
typedef     gboolean(*GOptionParseFunc)     (GOptionContext     *,
GOptionGroup *,
                                     gpointer, GError * *);
typedef void (*GVoidFunc) (void);
typedef gboolean(*GHookFindFunc) (GHook *, gpointer);
typedef struct _GTuples {
    guint len;
} GTuples;
typedef gpointer(*GCopyFunc) (gconstpointer, gpointer);
typedef void (*GOptionErrorFunc) (GOptionContext *, GOptionGroup
*,
                                  gpointer, GError * *);
typedef gpointer(*GCacheNewFunc) (gpointer);
typedef void (*GCacheDestroyFunc) (gpointer);
typedef gpointer(*GCacheDupFunc) (gpointer);
typedef enum {
    G_FILE_TEST_IS_REGULAR = 1,
```

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```
    G_FILE_TEST_IS_SYMLINK = 2,
    G_FILE_TEST_IS_DIR = 4,
    G_FILE_TEST_IS_EXECUTABLE = 8,
    G_FILE_TEST_EXISTS = 16
} GFileTest;
typedef enum {
    G_ONCE_STATUS_NOTCALLED = 0,
    G_ONCE_STATUS_PROGRESS = 1,
    G_ONCE_STATUS_READY = 2
} GOnceStatus;
typedef struct _GOnce {
    volatile GOnceStatus status;
    volatile gpointer retval;
} GOnce;
typedef gboolean(*GTraverseFunc) (gpointer, gpointer, gpointer);
typedef gint(*GHookCompareFunc) (GHook *, GHook *);
typedef void (*GNodeForeachFunc) (GNode *, gpointer);
typedef struct _GDebugKey {
    gchar *key;
    guint value;
} GDebugKey;
typedef struct _GPrivate GPrivate;
typedef struct _GThreadFunctions {
    GMutex *(*mutex_new) (void);
    void (*mutex_lock) (GMutex *);
     gboolean(*mutex_trylock) (GMutex *);
    void (*mutex_unlock) (GMutex *);
    void (*mutex_free) (GMutex *);
    GCond *(*cond_new) (void);
    void (*cond_signal) (GCond *);
    void (*cond_broadcast) (GCond *);
    void (*cond_wait) (GCond *, GMutex *);
     gboolean(*cond_timed_wait) (GCond *, GMutex *, GTimeVal *);
    void (*cond_free) (GCond *);
    GPrivate *(*private_new) (GDestroyNotify);
     gpointer(*private_get) (GPrivate *);
    void (*private_set) (GPrivate *, gpointer);
    void   (*thread_create)   (GThreadFunc,   gpointer,   gulong,
gboolean,
                            gboolean, GThreadPriority, gpointer,
                            GError * *);
    void (*thread_yield) (void);
    void (*thread_join) (gpointer);
    void (*thread_exit) (void);
    void (*thread_set_priority) (gpointer, GThreadPriority);
    void (*thread_self) (gpointer);
     gboolean(*thread_equal) (gpointer, gpointer);
} GThreadFunctions;
typedef void (*GHookMarshaller) (GHook *, gpointer);
typedef enum {
    G_IO_CHANNEL_ERROR_FBIG = 0,
    G_IO_CHANNEL_ERROR_INVAL = 1,
    G_IO_CHANNEL_ERROR_IO = 2,
    G_IO_CHANNEL_ERROR_ISDIR = 3,
    G_IO_CHANNEL_ERROR_NOSPC = 4,
    G_IO_CHANNEL_ERROR_NXIO = 5,
    G_IO_CHANNEL_ERROR_OVERFLOW = 6,
    G_IO_CHANNEL_ERROR_PIPE = 7,
    G_IO_CHANNEL_ERROR_FAILED = 8
} GIOChannelError;
typedef   gboolean(*GIOFunc)   (GIOChannel   *,   GIOCondition,
gpointer);
typedef void (*GFreeFunc) (gpointer);
typedef gboolean(*GHookCheckFunc) (gpointer);
typedef void (*GHookFunc) (gpointer);
typedef short int gint16;
```

```
typedef enum {
    G_DATE_DAY = 0,
    G_DATE_MONTH = 1,
    G_DATE_YEAR = 2
} GDateDMY;
typedef signed char gint8;
typedef enum {
    G_MARKUP_ERROR_BAD_UTF8 = 0,
    G_MARKUP_ERROR_EMPTY = 1,
    G_MARKUP_ERROR_PARSE = 2,
    G_MARKUP_ERROR_UNKNOWN_ELEMENT = 3,
    G_MARKUP_ERROR_UNKNOWN_ATTRIBUTE = 4,
    G_MARKUP_ERROR_INVALID_CONTENT = 5
} GMarkupError;
typedef enum {
    G_IO_ERROR_NONE = 0,
    G_IO_ERROR_AGAIN = 1,
    G_IO_ERROR_INVAL = 2,
    G_IO_ERROR_UNKNOWN = 3
} GIOError;
typedef gboolean(*GOptionArgFunc) (const gchar *, const gchar *,
gpointer,
                                   GError * *);
typedef enum {
    G_OPTION_FLAG_HIDDEN = 1 << 0,
    G_OPTION_FLAG_IN_MAIN = 1 << 1,
    G_OPTION_FLAG_REVERSE = 1 << 2
} GOptionFlags;
typedef enum {
    G_CONVERT_ERROR_NO_CONVERSION,
    G_CONVERT_ERROR_ILLEGAL_SEQUENCE,
    G_CONVERT_ERROR_FAILED,
    G_CONVERT_ERROR_PARTIAL_INPUT,
    G_CONVERT_ERROR_BAD_URI,
    G_CONVERT_ERROR_NOT_ABSOLUTE_PATH
} GConvertError;
typedef enum {
    G_ERR_UNKNOWN,
    G_ERR_UNEXP_EOF,
    G_ERR_UNEXP_EOF_IN_STRING,
    G_ERR_UNEXP_EOF_IN_COMMENT,
    G_ERR_NON_DIGIT_IN_CONST,
    G_ERR_DIGIT_RADIX,
    G_ERR_FLOAT_RADIX,
    G_ERR_FLOAT_MALFORMED
} GErrorType;
typedef enum {
    G_KEY_FILE_ERROR_UNKNOWN_ENCODING,
    G_KEY_FILE_ERROR_PARSE,
    G_KEY_FILE_ERROR_NOT_FOUND,
    G_KEY_FILE_ERROR_KEY_NOT_FOUND,
    G_KEY_FILE_ERROR_GROUP_NOT_FOUND,
    G_KEY_FILE_ERROR_INVALID_VALUE
} GKeyFileError;
typedef enum {
    G_SPAWN_ERROR_FORK,
    G_SPAWN_ERROR_READ,
    G_SPAWN_ERROR_CHDIR,
    G_SPAWN_ERROR_ACCES,
    G_SPAWN_ERROR_PERM,
    G_SPAWN_ERROR_2BIG,
    G_SPAWN_ERROR_NOEXEC,
    G_SPAWN_ERROR_NAMETOOLONG,
    G_SPAWN_ERROR_NOENT,
    G_SPAWN_ERROR_NOMEM,
    G_SPAWN_ERROR_NOTDIR,
```

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```
    G_SPAWN_ERROR_LOOP,
    G_SPAWN_ERROR_TXTBUSY,
    G_SPAWN_ERROR_IO,
    G_SPAWN_ERROR_NFILE,
    G_SPAWN_ERROR_MFILE,
    G_SPAWN_ERROR_INVAL,
    G_SPAWN_ERROR_ISDIR,
    G_SPAWN_ERROR_LIBBAD,
    G_SPAWN_ERROR_FAILED
} GSpawnError;
typedef enum {
    G_HOOK_FLAG_ACTIVE = 1 << 0,
    G_HOOK_FLAG_IN_CALL = 1 << 1,
    G_HOOK_FLAG_MASK = 0x0f
} GHookFlagMask;
typedef enum {
    G_THREAD_ERROR_AGAIN
} GThreadError;
typedef enum {
    G_OPTION_ERROR_UNKNOWN_OPTION,
    G_OPTION_ERROR_BAD_VALUE,
    G_OPTION_ERROR_FAILED
} GOptionError;
typedef enum {
    G_ASCII_ALNUM = 1 << 0,
    G_ASCII_ALPHA = 1 << 1,
    G_ASCII_CNTRL = 1 << 2,
    G_ASCII_DIGIT = 1 << 3,
    G_ASCII_GRAPH = 1 << 4,
    G_ASCII_LOWER = 1 << 5,
    G_ASCII_PRINT = 1 << 6,
    G_ASCII_PUNCT = 1 << 7,
    G_ASCII_SPACE = 1 << 8,
    G_ASCII_UPPER = 1 << 9,
    G_ASCII_XDIGIT = 1 << 10
} GAsciiType;
typedef enum {
    G_SHELL_ERROR_BAD_QUOTING,
    G_SHELL_ERROR_EMPTY_STRING,
    G_SHELL_ERROR_FAILED
} GShellError;
extern const guint16 *const g_ascii_table;
extern gboolean g_source_remove(guint);
extern void g_thread_set_priority(GThread *, GThreadPriority);
extern GError *g_error_copy(const GError *);
extern gchar *g_utf8_prev_char(const gchar *);
extern void g_node_pop_allocator(void);
extern GPrintFunc g_set_printerr_handler(GPrintFunc);
extern  GMemChunk  *g_mem_chunk_new(const  gchar  *,  gint,  gulong,
gint);
extern void g_on_error_stack_trace(const gchar *);
extern void g_mem_chunk_print(GMemChunk *);
extern guint g_list_length(GList *);
extern void g_main_loop_quit(GMainLoop *);
extern void g_hook_insert_before(GHookList *, GHook *, GHook *);
extern gboolean g_get_filename_charsets(const gchar * **);
extern GList *g_queue_pop_nth_link(GQueue *, guint);
extern GSList *g_slist_copy(GSList *);
extern gint g_mkstemp(gchar *);
extern GError *g_error_new(GQuark, gint, const gchar *, ...);
extern GString *g_string_set_size(GString *, gsize);
extern gchar *g_get_prgname(void);
extern   gpointer   g_ptr_array_remove_index_fast(GPtrArray   *,
guint);
extern GRand *g_rand_new_with_seed_array(const guint32 *, guint);
extern void g_dir_close(GDir *);
```

```
extern const gchar *const *g_get_system_config_dirs(void);
extern void g_relation_insert(GRelation *, ...);
extern void g_option_context_free(GOptionContext *);
extern gchar *g_strcanon(gchar *, const gchar *, gchar);
extern guint g_slist_length(GSList *);
extern gchar *g_key_file_to_data(GKeyFile *, gsize *, GError *
*);
extern GPatternSpec *g_pattern_spec_new(const gchar *);
extern gchar **g_strdupv(gchar * *);
extern gboolean g_unichar_isupper(gunichar);
extern void g_completion_free(GCompletion *);
extern void g_timer_reset(GTimer *);
extern GHashTable *g_hash_table_new_full(GHashFunc, GEqualFunc,
                                         GDestroyNotify,
GDestroyNotify);
extern void g_static_rec_mutex_init(GStaticRecMutex *);
extern gint g_atomic_int_exchange_and_add(gint *, gint);
extern gchar *g_strjoin(const gchar *, ...);
extern GSList *g_slist_last(GSList *);
extern void g_key_file_set_string(GKeyFile *, const gchar *,
const gchar *,
                                  const gchar *);
extern GPtrArray *g_ptr_array_new(void);
extern                                                  gboolean
g_markup_parse_context_end_parse(GMarkupParseContext *,
                                                  GError * *);
extern gboolean g_key_file_get_boolean(GKeyFile *, const gchar *,
                                       const gchar *, GError *
*);
extern gchar *g_strrstr_len(const gchar *, gssize, const gchar
*);
extern gint g_hook_compare_ids(GHook *, GHook *);
extern gchar *g_utf8_strup(const gchar *, gssize);
extern gchar *g_build_filename(const gchar *, ...);
extern void g_datalist_init(GData * *);
extern GIOStatus g_io_channel_set_flags(GIOChannel *, GIOFlags,
                                        GError * *);
extern const gchar *const g_utf8_skip;
extern void g_option_group_free(GOptionGroup *);
extern void g_completion_clear_items(GCompletion *);
extern gboolean g_hash_table_steal(GHashTable *, gconstpointer);
extern gboolean g_spawn_async_with_pipes(const gchar *, gchar *
*,
                                         gchar * *, GSpawnFlags,
                                         GSpawnChildSetupFunc,
gpointer,
                                         GPid *, gint *, gint *,
gint *,
                                         GError * *);
extern void g_clear_error(GError * *);
extern gpointer g_queue_pop_head(GQueue *);
extern GThreadPool *g_thread_pool_new(GFunc, gpointer, gint,
gboolean,
                                      GError * *);
extern void g_static_rec_mutex_lock(GStaticRecMutex *);
extern guint g_thread_pool_get_num_threads(GThreadPool *);
extern void g_date_set_month(GDate *, GDateMonth);
extern gchar *g_filename_to_uri(const gchar *, const gchar *,
GError * *);
extern gboolean g_date_valid_julian(guint32);
extern GQuark g_option_error_quark(void);
extern gchar **g_key_file_get_keys(GKeyFile *, const gchar *,
gsize *,
                                   GError * *);
extern gchar g_ascii_tolower(gchar);
extern GMainLoop *g_main_loop_new(GMainContext *, gboolean);
```

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```
extern gint g_relation_count(GRelation *, gconstpointer, gint);
extern void g_ptr_array_add(GPtrArray *, gpointer);
extern void g_async_queue_unlock(GAsyncQueue *);
extern  gboolean  g_pattern_match_string(GPatternSpec  *,  const
gchar *);
extern void g_key_file_free(GKeyFile *);
extern GMainContext *g_main_context_default(void);
extern   GIOStatus   g_io_channel_read_line_string(GIOChannel   *,
GString *,
                                                gsize  *,  GError  *
*);
extern GSource *g_source_ref(GSource *);
extern gint g_slist_index(GSList *, gconstpointer);
extern GSList *g_slist_find(GSList *, gconstpointer);
extern gboolean g_main_context_prepare(GMainContext *, gint *);
extern char *g_markup_vprintf_escaped(const char *, va_list);
extern void g_ptr_array_set_size(GPtrArray *, gint);
extern void g_set_application_name(const gchar *);
extern  gint  g_main_context_query(GMainContext  *,  gint,  gint  *,
GPollFD *,
                                  gint);
extern void g_rand_set_seed(GRand *, guint32);
extern GList *g_list_last(GList *);
extern gchar *g_ascii_dtostr(gchar *, gint, gdouble);
extern gboolean g_main_loop_is_running(GMainLoop *);
extern void g_pattern_spec_free(GPatternSpec *);
extern    GTree    *g_tree_new_full(GCompareDataFunc,    gpointer,
GDestroyNotify,
                              GDestroyNotify);
extern guint8 g_date_get_monday_weeks_in_year(GDateYear);
extern guint g_idle_add(GSourceFunc, gpointer);
extern void g_main_context_release(GMainContext *);
extern int g_main_depth(void);
extern void g_cache_key_foreach(GCache *, GHFunc, gpointer);
extern void g_static_rec_mutex_free(GStaticRecMutex *);
extern guint g_date_get_monday_week_of_year(const GDate *);
extern const gchar *g_io_channel_get_line_term(GIOChannel *, gint
*);
extern guint g_scanner_set_scope(GScanner *, guint);
extern gchar *g_string_free(GString *, gboolean);
extern void g_source_set_priority(GSource *, gint);
extern void g_async_queue_unref(GAsyncQueue *);
extern void g_hook_prepend(GHookList *, GHook *);
extern gpointer g_queue_peek_head(GQueue *);
extern     void     g_byte_array_sort_with_data(GByteArray     *,
GCompareDataFunc,
                                        gpointer);
extern gboolean g_key_file_load_from_data_dirs(GKeyFile *, const
gchar *,
                                                gchar     *     *,
GKeyFileFlags,
                                                GError * *);
extern guint g_trash_stack_height(GTrashStack * *);
extern void g_markup_parse_context_free(GMarkupParseContext *);
extern  GString  *g_string_append_len(GString  *,  const  gchar  *,
gssize);
extern const gchar *g_getenv(const gchar *);
extern gint *g_key_file_get_integer_list(GKeyFile *, const gchar
*,
                                         const gchar *, gsize *,
                                         GError * *);
extern gunichar2 *g_ucs4_to_utf16(const gunichar *, glong, glong
*,
                                  glong *, GError * *);
extern GList *g_list_remove(GList *, gconstpointer);
extern gboolean g_hook_destroy(GHookList *, gulong);
```

```
extern GRand *g_rand_copy(GRand *);
extern GString *g_string_ascii_up(GString *);
extern const gchar *g_io_channel_get_encoding(GIOChannel *);
extern void g_random_set_seed(guint32);
extern                                                GOptionGroup
*g_option_context_get_main_group(GOptionContext *);
extern   guint   g_idle_add_full(gint,   GSourceFunc,   gpointer,
GDestroyNotify);
extern   GArray   *g_array_append_vals(GArray   *,   gconstpointer,
guint);
extern GHook *g_hook_next_valid(GHookList *, GHook *, gboolean);
extern gchar *g_path_get_basename(const gchar *);
extern gchar *g_key_file_get_value(GKeyFile *, const gchar *,
                                   const gchar *, GError * *);
extern void g_slist_pop_allocator(void);
extern void g_node_unlink(GNode *);
extern   gpointer   g_hash_table_find(GHashTable   *,   GHRFunc,
gpointer);
extern GList *g_list_sort(GList *, GCompareFunc);
extern void g_date_set_time(GDate *, GTime);
extern GPollFunc g_main_context_get_poll_func(GMainContext *);
extern gchar *g_strndup(const gchar *, gsize);
extern GSList *g_slist_remove(GSList *, gconstpointer);
extern void g_date_order(GDate *, GDate *);
extern gdouble g_timer_elapsed(GTimer *, gulong *);
extern gchar *g_strchug(gchar *);
extern GQuark g_io_channel_error_quark(void);
extern void g_cache_remove(GCache *, gconstpointer);
extern GArray *g_array_remove_index_fast(GArray *, guint);
extern GAsyncQueue *g_async_queue_ref(GAsyncQueue *);
extern GQuark g_key_file_error_quark(void);
extern gboolean g_atomic_pointer_compare_and_exchange(gpointer *,
gpointer,
                                                      gpointer);
extern     gboolean     g_date_valid_dmy(GDateDay,     GDateMonth,
GDateYear);
extern gpointer g_mem_chunk_alloc0(GMemChunk *);
extern gint g_async_queue_length_unlocked(GAsyncQueue *);
extern GUnicodeBreakType g_unichar_break_type(gunichar);
extern gboolean g_date_valid_year(GDateYear);
extern void g_thread_pool_set_max_unused_threads(gint);
extern GArray *g_array_remove_index(GArray *, guint);
extern  void  g_key_file_remove_group(GKeyFile  *,  const  gchar  *,
GError * *);
extern gchar *g_key_file_get_comment(GKeyFile *, const gchar *,
                                     const gchar *, GError * *);
extern gboolean g_io_channel_get_buffered(GIOChannel *);
extern GList *g_list_delete_link(GList *, GList *);
extern GList *g_completion_complete(GCompletion *, const gchar *,
                                    gchar * *);
extern gboolean g_unichar_isdigit(gunichar);
extern void g_date_subtract_years(GDate *, guint);
extern gchar *g_utf8_strchr(const char *, gssize, gunichar);
extern void g_queue_push_head(GQueue *, gpointer);
extern guint g_queue_get_length(GQueue *);
extern  gchar  *g_string_chunk_insert_const(GStringChunk  *,  const
gchar *);
extern void g_static_rw_lock_init(GStaticRWLock *);
extern guint g_bit_storage(gulong);
extern GSList *g_slist_sort(GSList *, GCompareFunc);
extern gint g_relation_delete(GRelation *, gconstpointer, gint);
extern  GIOStatus  g_io_channel_write_chars(GIOChannel  *,  const
gchar *,
                                            gssize, gsize *, GError
* *);
extern GList *g_list_find(GList *, gconstpointer);
```

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```
extern gpointer g_queue_peek_tail(GQueue *);
extern    GIOStatus    g_io_channel_write_unichar(GIOChannel    *,
gunichar,
                                                GError * *);
extern void g_hook_list_clear(GHookList *);
extern guint g_child_watch_add(GPid, GChildWatchFunc, gpointer);
extern void g_hook_list_init(GHookList *, guint);
extern gpointer g_realloc(gpointer, gulong);
extern void g_queue_push_nth(GQueue *, gpointer, gint);
extern gpointer g_trash_stack_peek(GTrashStack * *);
extern const gchar *g_get_application_name(void);
extern gint g_main_context_check(GMainContext *, gint, GPollFD *,
gint);
extern    gunichar    *g_unicode_canonical_decomposition(gunichar,
gsize *);
extern gpointer g_async_queue_timed_pop_unlocked(GAsyncQueue *,
                                                    GTimeVal *);
extern  gboolean  g_option_context_get_help_enabled(GOptionContext
*);
extern void g_log_default_handler(const gchar *, GLogLevelFlags,
                                  const gchar *, gpointer);
extern gpointer g_async_queue_try_pop(GAsyncQueue *);
extern void g_option_group_set_translation_domain(GOptionGroup *,
                                                     const gchar *);
extern void g_source_destroy(GSource *);
extern gchar *g_filename_to_utf8(const gchar *, gssize, gsize *,
gsize *,
                                 GError * *);
extern gboolean g_key_file_load_from_data(GKeyFile *, const gchar
*, gsize,
                                          GKeyFileFlags, GError *
*);
extern GKeyFile *g_key_file_new(void);
extern GDateYear g_date_get_year(const GDate *);
extern const gchar *g_get_user_config_dir(void);
extern gint g_slist_position(GSList *, GSList *);
extern const guint glib_minor_version;
extern GSList *g_slist_delete_link(GSList *, GSList *);
extern GDateWeekday g_date_get_weekday(const GDate *);
extern gchar *g_convert_with_iconv(const gchar *, gssize, GIConv,
gsize *,
                                   gsize *, GError * *);
extern GNode *g_node_insert(GNode *, gint, GNode *);
extern   void   g_source_set_callback(GSource   *,   GSourceFunc,
gpointer,
                                  GDestroyNotify);
extern void g_source_add_poll(GSource *, GPollFD *);
extern void g_slist_free_1(GSList *);
extern  GByteArray  *g_byte_array_remove_index_fast(GByteArray  *,
guint);
extern GHook *g_hook_find_data(GHookList *, gboolean, gpointer);
extern void g_ptr_array_foreach(GPtrArray *, GFunc, gpointer);
extern  void  g_scanner_scope_add_symbol(GScanner  *,  guint,  const
gchar *,
                                         gpointer);
extern GMainContext *g_main_context_ref(GMainContext *);
extern void g_hook_list_invoke(GHookList *, gboolean);
extern gint g_source_get_priority(GSource *);
extern void g_list_free_1(GList *);
extern gint g_key_file_get_integer(GKeyFile *, const gchar *,
                                   const gchar *, GError * *);
extern GSList *g_slist_nth(GSList *, guint);
extern gchar *g_shell_unquote(const gchar *, GError * *);
extern    void    g_option_context_add_group(GOptionContext    *,
GOptionGroup *);
extern gboolean g_unichar_isprint(gunichar);
```

```
extern GList *g_list_copy(GList *);
extern void g_cache_value_foreach(GCache *, GHFunc, gpointer);
extern void g_key_file_set_comment(GKeyFile *, const gchar *,
                                   const gchar *, const gchar *,
                                   GError * *);
extern gint g_ascii_digit_value(gchar);
extern void g_main_context_dispatch(GMainContext *);
extern  GIOChannel  *g_io_channel_new_file(const  gchar  *,  const
gchar *,
                                          GError * *);
extern gint g_unichar_digit_value(gunichar);
extern void g_source_set_can_recurse(GSource *, gboolean);
extern void g_main_loop_unref(GMainLoop *);
extern GNode *g_node_first_sibling(GNode *);
extern gint g_date_days_between(const GDate *, const GDate *);
extern void g_mem_chunk_free(GMemChunk *, gpointer);
extern gchar *g_markup_escape_text(const gchar *, gssize);
extern gunichar g_unichar_tolower(gunichar);
extern void g_queue_push_nth_link(GQueue *, gint, GList *);
extern char *g_markup_printf_escaped(const char *, ...);
extern void g_hook_unref(GHookList *, GHook *);
extern GNode *g_node_find(GNode *, GTraverseType, GTraverseFlags,
                          gpointer);
extern  gchar  *g_ascii_formatd(gchar  *,  gint,  const  gchar  *,
gdouble);
extern gpointer g_scanner_scope_lookup_symbol(GScanner *, guint,
                                              const gchar *);
extern    gpointer    g_dataset_id_remove_no_notify(gconstpointer,
GQuark);
extern GQueue *g_queue_new(void);
extern GQuark g_markup_error_quark(void);
extern                                                      void
g_option_context_set_ignore_unknown_options(GOptionContext *,

gboolean);
extern void g_completion_remove_items(GCompletion *, GList *);
extern   void   g_datalist_id_set_data_full(GData   *   *,   GQuark,
gpointer,
                                         GDestroyNotify);
extern void g_trash_stack_push(GTrashStack * *, gpointer);
extern void g_async_queue_lock(GAsyncQueue *);
extern void g_ptr_array_sort(GPtrArray *, GCompareFunc);
extern void g_queue_free(GQueue *);
extern  void  g_array_sort_with_data(GArray  *,  GCompareDataFunc,
gpointer);
extern gboolean g_relation_exists(GRelation *, ...);
extern gboolean g_utf8_validate(const char *, gssize, const gchar
* *);
extern void g_static_rw_lock_writer_unlock(GStaticRWLock *);
extern    GByteArray    *g_byte_array_remove_index(GByteArray    *,
guint);
extern  guint  g_hash_table_foreach_remove(GHashTable  *,  GHRFunc,
gpointer);
extern   GString   *g_string_insert_unichar(GString   *,   gssize,
gunichar);
extern GSList *g_slist_prepend(GSList *, gpointer);
extern GList *g_list_first(GList *);
extern    GMarkupParseContext    *g_markup_parse_context_new(const
GMarkupParser
                                                            *,

GMarkupParseFlags,
                                                            gpointer,

GDestroyNotify);
extern void g_io_channel_init(GIOChannel *);
```

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```
extern GQuark g_convert_error_quark(void);
extern GNode *g_node_get_root(GNode *);
extern gchar *g_filename_display_name(const gchar *);
extern gint g_io_channel_unix_get_fd(GIOChannel *);
extern gboolean g_int_equal(gconstpointer, gconstpointer);
extern void g_hook_list_marshal_check(GHookList *, gboolean,
                                      GHookCheckMarshaller,
gpointer);
extern void g_static_mutex_init(GStaticMutex *);
extern GString *g_string_prepend_unichar(GString *, gunichar);
extern   GList   *g_queue_find_custom(GQueue   *,   gconstpointer,
GCompareFunc);
extern void g_key_file_set_string_list(GKeyFile *, const gchar *,
                                       const gchar *,
                                       const  gchar  *  const  *,
gsize);
extern const guint glib_micro_version;
extern guint32 g_date_get_julian(const GDate *);
extern gpointer g_dataset_id_get_data(gconstpointer, GQuark);
extern gboolean g_date_valid_day(GDateDay);
extern GHook *g_hook_first_valid(GHookList *, gboolean);
extern  GIOStatus  g_io_channel_read_to_end(GIOChannel  *,  gchar  *
*, gsize *,
                                            GError * *);
extern void g_scanner_destroy(GScanner *);
extern GString *g_string_insert_c(GString *, gssize, gchar);
extern void g_queue_push_head_link(GQueue *, GList *);
extern GIOChannel *g_io_channel_ref(GIOChannel *);
extern gpointer g_try_realloc(gpointer, gulong);
extern GRelation *g_relation_new(gint);
extern GNode *g_node_nth_child(GNode *, guint);
extern GByteArray *g_byte_array_sized_new(guint);
extern void g_queue_push_tail(GQueue *, gpointer);
extern gboolean g_unichar_validate(gunichar);
extern GSource *g_idle_source_new(void);
extern gchar **g_key_file_get_groups(GKeyFile *, gsize *);
extern void g_scanner_sync_file_offset(GScanner *);
extern GLogLevelFlags g_log_set_always_fatal(GLogLevelFlags);
extern gpointer *g_ptr_array_free(GPtrArray *, gboolean);
extern gint g_utf8_collate(const gchar *, const gchar *);
extern GPrintFunc g_set_print_handler(GPrintFunc);
extern const guint glib_interface_age;
extern void g_hook_list_invoke_check(GHookList *, gboolean);
extern gchar *g_utf8_offset_to_pointer(const gchar *, glong);
extern void g_scanner_input_file(GScanner *, gint);
extern gboolean g_source_get_can_recurse(GSource *);
extern   GHook   *g_hook_find_func_data(GHookList   *,   gboolean,
gpointer,
                                        gpointer);
extern void g_logv(const gchar *, GLogLevelFlags, const gchar *,
va_list);
extern gboolean g_error_matches(const GError *, GQuark, gint);
extern gpointer g_async_queue_pop(GAsyncQueue *);
extern gchar **g_uri_list_extract_uris(const gchar *);
extern gboolean g_static_rw_lock_writer_trylock(GStaticRWLock *);
extern void g_date_add_months(GDate *, guint);
extern void g_date_add_days(GDate *, guint);
extern gchar **g_strsplit(const gchar *, const gchar *, gint);
extern GSList *g_slist_remove_all(GSList *, gconstpointer);
extern gdouble g_random_double(void);
extern gdouble g_strtod(const gchar *, gchar * *);
extern void g_queue_sort(GQueue *, GCompareDataFunc, gpointer);
extern gboolean g_str_has_suffix(const gchar *, const gchar *);
extern GList *g_queue_pop_head_link(GQueue *);
extern gint32 g_rand_int_range(GRand *, gint32, gint32);
extern gint g_unichar_to_utf8(gunichar, gchar *);
```

```
extern gchar *g_strnfill(gsize, gchar);
extern void g_relation_print(GRelation *);
extern void g_key_file_set_integer_list(GKeyFile *, const gchar
*,
                                        const gchar *, gint *,
gsize);
extern                                                  GSource
*g_main_context_find_source_by_funcs_user_data(GMainContext
                                                                *,

GSourceFuncs
                                                                *,
gpointer);
extern GDate *g_date_new_julian(guint32);
extern void g_node_traverse(GNode *, GTraverseType,
GTraverseFlags, gint,
                            GNodeTraverseFunc, gpointer);
extern gchar *g_key_file_get_start_group(GKeyFile *);
extern void g_key_file_set_locale_string(GKeyFile *, const gchar
*,
                                         const gchar *, const
gchar *,
                                         const gchar *);
extern GHashTable *g_hash_table_new(GHashFunc, GEqualFunc);
extern const gchar *g_dir_read_name(GDir *);
extern gboolean g_hash_table_remove(GHashTable *, gconstpointer);
extern gchar *g_utf8_strdown(const gchar *, gssize);
extern GIOCondition g_io_channel_get_buffer_condition(GIOChannel
*);
extern GSource *g_child_watch_source_new(GPid);
extern void g_static_rec_mutex_unlock(GStaticRecMutex *);
extern glong g_utf8_strlen(const gchar *, gssize);
extern GSList *g_slist_insert(GSList *, gpointer, gint);
extern GNode *g_node_prepend(GNode *, GNode *);
extern void g_propagate_error(GError * *, GError *);
extern GTokenType g_scanner_peek_next_token(GScanner *);
extern GArray *g_array_set_size(GArray *, guint);
extern GString *g_string_erase(GString *, gssize, gssize);
extern gchar *g_strcompress(const gchar *);
extern gint g_async_queue_length(GAsyncQueue *);
extern gboolean g_unichar_isdefined(gunichar);
extern GString *g_string_prepend(GString *, const gchar *);
extern guint32 g_rand_int(GRand *);
extern void g_set_error(GError * *, GQuark, gint, const gchar *,
...);
extern gboolean g_markup_parse_context_parse(GMarkupParseContext
*,
                                             const gchar *,
gssize,
                                             GError * *);
extern gboolean g_main_context_pending(GMainContext *);
extern gint g_tree_nnodes(GTree *);
extern gpointer g_datalist_id_get_data(GData * *, GQuark);
extern void g_ptr_array_sort_with_data(GPtrArray *,
GCompareDataFunc,
                                       gpointer);
extern void g_queue_unlink(GQueue *, GList *);
extern guint g_source_get_id(GSource *);
extern void g_thread_pool_set_max_threads(GThreadPool *, gint,
GError * *);
extern gchar *g_utf8_normalize(const gchar *, gssize,
GNormalizeMode);
extern GTree *g_tree_new_with_data(GCompareDataFunc, gpointer);
extern gchar *g_path_get_dirname(const gchar *);
extern gint g_thread_pool_get_max_threads(GThreadPool *);
```

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```
extern GArray *g_array_sized_new(gboolean, gboolean, guint,
guint);
extern gboolean g_unichar_islower(gunichar);
extern GString *g_string_assign(GString *, const gchar *);
extern gchar *g_strstr_len(const gchar *, gssize, const gchar *);
extern GArray *g_array_prepend_vals(GArray *, gconstpointer,
guint);
extern gdouble g_rand_double_range(GRand *, gdouble, gdouble);
extern void g_key_file_set_list_separator(GKeyFile *, gchar);
extern gboolean g_atomic_int_compare_and_exchange(gint *, gint,
gint);
extern void g_mem_profile(void);
extern void g_io_channel_set_buffered(GIOChannel *, gboolean);
extern GMutex *g_static_mutex_get_mutex_impl(GMutex * *);
extern GList *g_list_remove_all(GList *, gconstpointer);
extern void g_static_private_set(GStaticPrivate *, gpointer,
                                 GDestroyNotify);
extern void g_timer_start(GTimer *);
extern void g_array_sort(GArray *, GCompareFunc);
extern gchar *g_build_path(const gchar *, const gchar *, ...);
extern gchar *g_key_file_get_string(GKeyFile *, const gchar *,
                                    const gchar *, GError * *);
extern void g_return_if_fail_warning(const char *, const char *,
                                     const char *);
extern GAsyncQueue *g_async_queue_new(void);
extern GTokenType g_scanner_get_next_token(GScanner *);
extern gchar *g_strescape(const gchar *, const gchar *);
extern void g_tree_remove(GTree *, gconstpointer);
extern GFileError g_file_error_from_errno(gint);
extern GByteArray *g_byte_array_set_size(GByteArray *, guint);
extern GSList *g_slist_insert_before(GSList *, GSList *,
gpointer);
extern void g_main_context_unref(GMainContext *);
extern void g_on_error_query(const gchar *);
extern gchar *g_find_program_in_path(const gchar *);
extern GNode *g_node_insert_before(GNode *, GNode *, GNode *);
extern void g_key_file_set_boolean(GKeyFile *, const gchar *,
                                   const gchar *, gboolean);
extern void g_key_file_remove_key(GKeyFile *, const gchar *,
const gchar *,
                                  GError * *);
extern void g_dataset_foreach(gconstpointer, GDataForeachFunc,
gpointer);
extern const gchar *g_get_user_data_dir(void);
extern void g_date_subtract_months(GDate *, guint);
extern gboolean g_unichar_iscntrl(gunichar);
extern guint g_timeout_add_full(gint, guint, GSourceFunc,
gpointer,
                                GDestroyNotify);
extern GIOStatus g_io_channel_read_chars(GIOChannel *, gchar *,
gsize,
                                         gsize *, GError * *);
extern gint g_bit_nth_msf(gulong, gint);
extern void g_tree_steal(GTree *, gconstpointer);
extern gboolean g_date_valid(const GDate *);
extern void g_io_channel_set_close_on_unref(GIOChannel *,
gboolean);
extern void g_tree_replace(GTree *, gpointer, gpointer);
extern void g_async_queue_push_unlocked(GAsyncQueue *, gpointer);
extern GNode *g_node_new(gpointer);
extern void g_mem_set_vtable(GMemVTable *);
extern void g_option_context_add_main_entries(GOptionContext *,
                                              const GOptionEntry
*,
                                              const gchar *);
extern void g_hash_table_foreach(GHashTable *, GHFunc, gpointer);
```

```
extern GUnicodeType g_unichar_type(gunichar);
extern GPtrArray *g_ptr_array_sized_new(guint);
extern    GList    *g_list_insert_sorted(GList    *,    gpointer,
GCompareFunc);
extern GLogFunc g_log_set_default_handler(GLogFunc, gpointer);
extern gsize g_date_strftime(gchar *, gsize, const gchar *, const
GDate *);
extern                                                    gboolean
g_option_context_get_ignore_unknown_options(GOptionContext
                                                                *);
extern gpointer g_static_private_get(GStaticPrivate *);
extern void g_completion_add_items(GCompletion *, GList *);
extern gchar *g_stpcpy(gchar *, const gchar *);
extern gchar *g_utf8_find_prev_char(const char *, const char *);
extern GOptionContext *g_option_context_new(const gchar *);
extern  gchar  *g_locale_to_utf8(const  gchar  *,  gssize,  gsize  *,
gsize *,
                                GError * *);
extern  gint  g_ascii_strncasecmp(const  gchar  *,  const  gchar  *,
gsize);
extern void g_slist_push_allocator(GAllocator *);
extern gboolean g_main_context_acquire(GMainContext *);
extern GSourceFuncs g_idle_funcs;
extern guint g_thread_pool_get_num_unused_threads(void);
extern    void    g_thread_pool_free(GThreadPool    *,    gboolean,
gboolean);
extern guint g_date_get_sunday_week_of_year(const GDate *);
extern gdouble g_rand_double(GRand *);
extern gint g_ascii_strcasecmp(const gchar *, const gchar *);
extern void g_string_printf(GString *, const gchar *, ...);
extern GQuark g_quark_from_string(const gchar *);
extern    void    g_hash_table_replace(GHashTable    *,    gpointer,
gpointer);
extern  const  gchar  *g_strip_context(const  gchar  *,  const  gchar
*);
extern const gchar *g_strerror(gint);
extern void g_mem_chunk_clean(GMemChunk *);
extern  GString  *g_string_prepend_len(GString  *,  const  gchar  *,
gssize);
extern GArray *g_array_remove_range(GArray *, guint, guint);
extern void g_queue_remove_all(GQueue *, gconstpointer);
extern  gint  g_file_open_tmp(const  gchar  *,  gchar  *  *,  GError  *
*);
extern const gchar *g_get_user_name(void);
extern void g_timer_continue(GTimer *);
extern    void    g_main_context_set_poll_func(GMainContext    *,
GPollFunc);
extern void g_timer_destroy(GTimer *);
extern  void  g_main_context_add_poll(GMainContext  *,  GPollFD  *,
gint);
extern GSList *g_slist_alloc(void);
extern GSList *g_slist_reverse(GSList *);
extern GList *g_list_concat(GList *, GList *);
extern gunichar g_utf8_get_char(const gchar *);
extern gchar *g_shell_quote(const gchar *);
extern void g_get_current_time(GTimeVal *);
extern void g_option_group_set_translate_func(GOptionGroup *,
                                              GTranslateFunc,
gpointer,
                                              GDestroyNotify);
extern gunichar g_unichar_totitle(gunichar);
extern gboolean g_spawn_async(const gchar *, gchar * *, gchar *
*,
                              GSpawnFlags,   GSpawnChildSetupFunc,
gpointer,
                              GPid *, GError * *);
```

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```
extern gchar *g_utf16_to_utf8(const gunichar2 *, glong, glong *,
glong *,
                                GError * *);
extern void g_queue_insert_before(GQueue *, GList *, gpointer);
extern GSource *g_main_context_find_source_by_id(GMainContext *,
guint);
extern void g_mem_chunk_destroy(GMemChunk *);
extern void g_thread_exit(gpointer);
extern void g_option_group_set_parse_hooks(GOptionGroup *,
                                           GOptionParseFunc,
                                           GOptionParseFunc);
extern GSList *g_slist_insert_sorted(GSList *, gpointer,
GCompareFunc);
extern void g_source_set_callback_indirect(GSource *, gpointer,
                                           GSourceCallbackFuncs
*);
extern GSList *g_slist_sort_with_data(GSList *, GCompareDataFunc,
                                      gpointer);
extern void g_node_reverse_children(GNode *);
extern gpointer g_queue_peek_nth(GQueue *, guint);
extern void g_list_free(GList *);
extern GList *g_list_nth_prev(GList *, guint);
extern void g_strfreev(gchar * *);
extern gboolean g_ptr_array_remove(GPtrArray *, gpointer);
extern const guint glib_major_version;
extern glong g_utf8_pointer_to_offset(const gchar *, const gchar
*);
extern gpointer g_tree_lookup(GTree *, gconstpointer);
extern gchar *g_strdup_printf(const gchar *, ...);
extern gboolean g_source_remove_by_user_data(gpointer);
extern gunichar2 *g_utf8_to_utf16(const gchar *, glong, glong *,
glong *,
                                  GError * *);
extern gunichar *g_utf8_to_ucs4(const gchar *, glong, glong *,
glong *,
                                GError * *);
extern void g_date_set_day(GDate *, GDateDay);
extern gsize g_io_channel_get_buffer_size(GIOChannel *);
extern void g_hash_table_insert(GHashTable *, gpointer,
gpointer);
extern guint g_spaced_primes_closest(guint);
extern void g_option_group_add_entries(GOptionGroup *,
                                       const GOptionEntry *);
extern gboolean g_key_file_load_from_file(GKeyFile *, const gchar
*,
                                          GKeyFileFlags, GError *
*);
extern gint32 g_random_int_range(gint32, gint32);
extern gpointer g_hash_table_lookup(GHashTable *, gconstpointer);
extern void g_relation_index(GRelation *, gint, GHashFunc,
GEqualFunc);
extern GByteArray *g_byte_array_remove_range(GByteArray *, guint,
guint);
extern gchar *g_filename_from_utf8(const gchar *, gssize, gsize
*, gsize *,
                                   GError * *);
extern GQuark g_thread_error_quark(void);
extern void g_hook_destroy_link(GHookList *, GHook *);
extern gdouble g_random_double_range(gdouble, gdouble);
extern gchar *g_filename_from_uri(const gchar *, gchar * *,
GError * *);
extern gboolean g_tree_lookup_extended(GTree *, gconstpointer,
gpointer *,
                                       gpointer *);
extern gboolean g_unichar_iswide(gunichar);
extern gboolean g_unichar_isxdigit(gunichar);
```

```
extern void g_queue_push_tail_link(GQueue *, GList *);
extern void g_spawn_close_pid(GPid);
extern GRand *g_rand_new(void);
extern void g_date_set_julian(GDate *, guint32);
extern GNode *g_node_insert_after(GNode *, GNode *, GNode *);
extern const guint glib_binary_age;
extern   void   g_static_rec_mutex_lock_full(GStaticRecMutex   *,
guint);
extern GString *g_string_append_unichar(GString *, gunichar);
extern GStringChunk *g_string_chunk_new(gsize);
extern void g_atexit(GVoidFunc);
extern void g_scanner_scope_remove_symbol(GScanner *, guint,
                                          const gchar *);
extern  void  g_main_context_remove_poll(GMainContext  *,  GPollFD
*);
extern gchar *g_locale_from_utf8(const gchar *, gssize, gsize *,
gsize *,
                                 GError * *);
extern GMainContext *g_source_get_context(GSource *);
extern GSourceFuncs g_io_watch_funcs;
extern gint g_thread_pool_get_max_unused_threads(void);
extern gboolean g_unichar_isspace(gunichar);
extern GList *g_list_alloc(void);
extern gpointer g_queue_pop_tail(GQueue *);
extern gpointer g_thread_join(GThread *);
extern GSList *g_slist_append(GSList *, gpointer);
extern GNode *g_node_copy(GNode *);
extern void g_time_val_add(GTimeVal *, glong);
extern  gboolean  g_pattern_match(GPatternSpec  *,  guint,  const
gchar *,
                                 const gchar *);
extern void g_source_remove_poll(GSource *, GPollFD *);
extern gsize g_printf_string_upper_bound(const gchar *, va_list);
extern GCompletion *g_completion_new(GCompletionFunc);
extern gboolean g_date_is_last_of_month(const GDate *);
extern  GHook  *g_hook_find(GHookList  *,  gboolean,  GHookFindFunc,
gpointer);
extern gboolean g_static_rec_mutex_trylock(GStaticRecMutex *);
extern GError *g_error_new_literal(GQuark, gint, const gchar *);
extern   void   g_date_set_dmy(GDate   *,   GDateDay,   GDateMonth,
GDateYear);
extern guint g_node_max_height(GNode *);
extern gboolean g_unichar_isgraph(gunichar);
extern gint g_list_position(GList *, GList *);
extern gboolean g_pattern_match_simple(const gchar *, const gchar
*);
extern const gchar *g_get_real_name(void);
extern  void  g_string_append_printf(GString  *,  const  gchar  *,
...);
extern void g_static_private_init(GStaticPrivate *);
extern gunichar *g_utf16_to_ucs4(const gunichar2 *, glong, glong
*,
                                 glong *, GError * *);
extern void g_rand_free(GRand *);
extern GList *g_queue_peek_tail_link(GQueue *);
extern  gchar  *g_convert_with_fallback(const  gchar  *,  gssize,
const gchar *,
                                        const  gchar  *,  gchar  *,
gsize *,
                                        gsize *, GError * *);
extern GSource *g_timeout_source_new(guint);
extern guint g_child_watch_add_full(gint, GPid, GChildWatchFunc,
gpointer,
                                    GDestroyNotify);
extern void g_node_push_allocator(GAllocator *);
extern void g_queue_foreach(GQueue *, GFunc, gpointer);
```

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```
extern gchar *g_strdup(const gchar *);
extern gint g_queue_index(GQueue *, gconstpointer);
extern   gpointer   g_datalist_id_remove_no_notify(GData   *   *,
GQuark);
extern guint8 *g_byte_array_free(GByteArray *, gboolean);
extern void g_date_clamp(GDate *, const GDate *, const GDate *);
extern void g_list_push_allocator(GAllocator *);
extern void g_queue_insert_after(GQueue *, GList *, gpointer);
extern gpointer g_try_malloc(gulong);
extern GIOFlags g_io_channel_get_flags(GIOChannel *);
extern gchar *g_filename_display_basename(const gchar *);
extern GList *g_list_append(GList *, gpointer);
extern gchar *g_utf8_strncpy(gchar *, const gchar *, gsize);
extern gchar **g_key_file_get_string_list(GKeyFile *, const gchar
*,
                                          const gchar *, gsize *,
                                          GError * *);
extern  guint  g_log_set_handler(const  gchar  *,  GLogLevelFlags,
GLogFunc,
                                 gpointer);
extern gboolean g_queue_is_empty(GQueue *);
extern GList *g_queue_peek_nth_link(GQueue *, guint);
extern void g_list_foreach(GList *, GFunc, gpointer);
extern gint g_ascii_xdigit_value(gchar);
extern GQuark g_shell_error_quark(void);
extern gpointer g_ptr_array_remove_index(GPtrArray *, guint);
extern GList *g_list_insert(GList *, gpointer, gint);
extern void g_log(const gchar *, GLogLevelFlags, const gchar *,
...);
extern gchar *g_utf8_strrchr(const char *, gssize, gunichar);
extern guint g_string_hash(const GString *);
extern   gchar   **g_key_file_get_locale_string_list(GKeyFile   *,
const gchar *,
                                                     const gchar *,
                                                     const   gchar   *,
gsize *,
                                                     GError * *);
extern    void    g_queue_insert_sorted(GQueue    *,    gpointer,
GCompareDataFunc,
                                        gpointer);
extern void g_hook_free(GHookList *, GHook *);
extern    gpointer    g_tree_search(GTree    *,    GCompareFunc,
gconstpointer);
extern  void  g_scanner_scope_foreach_symbol(GScanner  *,  guint,
GHFunc,
                                             gpointer);
extern GDir *g_dir_open(const gchar *, guint, GError * *);
extern gchar *g_utf8_casefold(const gchar *, gssize);
extern  void  g_rand_set_seed_array(GRand  *,  const  guint32  *,
guint);
extern void g_date_to_struct_tm(const GDate *, struct tm *);
extern gboolean g_key_file_has_group(GKeyFile *, const gchar *);
extern GList *g_list_remove_link(GList *, GList *);
extern gboolean g_date_valid_month(GDateMonth);
extern gboolean g_spawn_command_line_sync(const gchar *, gchar *
*,
                                          gchar   *   *,   gint   *,
GError * *);
extern gpointer g_slist_nth_data(GSList *, guint);
extern gchar *g_convert(const gchar *, gssize, const gchar *,
                        const gchar *, gsize *, gsize *, GError *
*);
extern void g_io_channel_unref(GIOChannel *);
extern                                                      void
g_markup_parse_context_get_position(GMarkupParseContext *,
                                                  gint *, gint *);
```

```
extern void g_datalist_foreach(GData * *, GDataForeachFunc,
gpointer);
extern void g_tuples_destroy(GTuples *);
extern guint g_strv_length(gchar * *);
extern gunichar g_unichar_toupper(gunichar);
extern void g_tree_insert(GTree *, gpointer, gpointer);
extern GNode *g_node_copy_deep(GNode *, GCopyFunc, gpointer);
extern gint g_node_child_position(GNode *, GNode *);
extern void g_list_pop_allocator(void);
extern gboolean g_mem_is_system_malloc(void);
extern const gchar *g_get_home_dir(void);
extern void g_async_queue_push(GAsyncQueue *, gpointer);
extern gboolean g_key_file_has_key(GKeyFile *, const gchar *,
                                   const gchar *, GError * *);
extern gboolean g_file_get_contents(const gchar *, gchar * *,
gsize *,
                                    GError * *);
extern gboolean g_path_is_absolute(const gchar *);
extern void g_printerr(const gchar *, ...);
extern void g_completion_set_compare(GCompletion *,
                                     GCompletionStrncmpFunc);
extern guint g_timeout_add(guint32, GSourceFunc, gpointer);
extern void g_slist_foreach(GSList *, GFunc, gpointer);
extern GArray *g_array_insert_vals(GArray *, guint,
gconstpointer, guint);
extern gchar *g_utf8_collate_key(const gchar *, gssize);
extern void g_static_rw_lock_reader_lock(GStaticRWLock *);
extern void g_mem_chunk_info(void);
extern gchar *g_utf8_strreverse(const gchar *, gssize);
extern GByteArray *g_byte_array_new(void);
extern gboolean g_setenv(const gchar *, const gchar *, gboolean);
extern gchar *g_get_current_dir(void);
extern GTree *g_tree_new(GCompareFunc);
extern gboolean g_unichar_isalpha(gunichar);
extern gsize g_strlcat(gchar *, const gchar *, gsize);
extern gboolean g_main_context_iteration(GMainContext *,
gboolean);
extern GHook *g_hook_ref(GHookList *, GHook *);
extern GNode *g_node_find_child(GNode *, GTraverseFlags,
gpointer);
extern void g_option_group_set_error_hook(GOptionGroup *,
                                          GOptionErrorFunc);
extern gint g_bit_nth_lsf(gulong, gint);
extern gpointer g_async_queue_try_pop_unlocked(GAsyncQueue *);
extern GCache *g_cache_new(GCacheNewFunc, GCacheDestroyFunc,
GCacheDupFunc,
                           GCacheDestroyFunc,          GHashFunc,
GHashFunc,
                           GEqualFunc);
extern void g_print(const gchar *, ...);
extern gint g_unichar_xdigit_value(gunichar);
extern GTimer *g_timer_new(void);
extern gchar *g_string_chunk_insert(GStringChunk *, const gchar
*);
extern gchar *g_file_read_link(const gchar *, GError * *);
extern void g_assert_warning(const char *, const char *, const
int,
                             const char *, const char *);
extern guint g_str_hash(gconstpointer);
extern void g_key_file_set_locale_string_list(GKeyFile *, const
gchar *,
                                              const gchar *,
const gchar *,
                                              const gchar * const
*,
                                              gsize);
```

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```
extern GString *g_string_sized_new(gsize);
extern void g_hash_table_destroy(GHashTable *);
extern void g_static_mutex_free(GStaticMutex *);
extern gchar *g_ascii_strup(const gchar *, gssize);
extern gchar g_ascii_toupper(gchar);
extern guint g_date_get_iso8601_week_of_year(const GDate *);
extern void g_slist_free(GSList *);
extern gboolean g_string_equal(const GString *, const GString *);
extern guint g_scanner_cur_line(GScanner *);
extern gint g_date_compare(const GDate *, const GDate *);
extern  GString  *g_string_insert_len(GString  *,  gssize,  const
gchar *,
                                    gssize);
extern gchar *g_strdelimit(gchar *, const gchar *, gchar);
extern guint g_node_n_children(GNode *);
extern GNode *g_node_last_sibling(GNode *);
extern const gchar *const *g_get_language_names(void);
extern GHook *g_hook_alloc(GHookList *);
extern GDateMonth g_date_get_month(const GDate *);
extern gboolean g_date_is_leap_year(GDateYear);
extern gpointer g_queue_pop_nth(GQueue *, guint);
extern gchar *g_strreverse(gchar *);
extern guint g_hash_table_size(GHashTable *);
extern gpointer g_mem_chunk_alloc(GMemChunk *);
extern GList *g_queue_peek_head_link(GQueue *);
extern GList *g_queue_find(GQueue *, gconstpointer);
extern  void  g_dataset_id_set_data_full(gconstpointer,  GQuark,
gpointer,
                                        GDestroyNotify);
extern void g_unsetenv(const gchar *);
extern guint64 g_ascii_strtoull(const gchar *, gchar * *, guint);
extern gboolean g_spawn_command_line_async(const gchar *, GError
* *);
extern GHook *g_hook_find_func(GHookList *, gboolean, gpointer);
extern gchar *g_array_free(GArray *, gboolean);
extern gpointer g_malloc0(gulong);
extern gint g_node_child_index(GNode *, gpointer);
extern  GIOStatus  g_io_channel_shutdown(GIOChannel  *,  gboolean,
GError * *);
extern GQuark g_quark_try_string(const gchar *);
extern  GIOStatus  g_io_channel_set_encoding(GIOChannel  *,  const
gchar *,
                                            GError * *);
extern gboolean g_scanner_eof(GScanner *);
extern void g_cache_destroy(GCache *);
extern gboolean g_spawn_sync(const gchar *, gchar * *, gchar * *,
                             GSpawnFlags,    GSpawnChildSetupFunc,
gpointer,
                             gchar * *, gchar * *, gint *, GError
* *);
extern gboolean g_static_rw_lock_reader_trylock(GStaticRWLock *);
extern void g_byte_array_sort(GByteArray *, GCompareFunc);
extern void g_atomic_int_add(gint *, gint);
extern  gpointer  g_async_queue_timed_pop(GAsyncQueue  *,  GTimeVal
*);
extern GHook *g_hook_get(GHookList *, gulong);
extern  void  g_option_context_set_help_enabled(GOptionContext  *,
gboolean);
extern guint g_static_rec_mutex_unlock_full(GStaticRecMutex *);
extern   gboolean   g_hash_table_lookup_extended(GHashTable   *,
gconstpointer,
                                                gpointer  *,  gpointer
*);
extern void g_date_add_years(GDate *, guint);
extern void g_static_private_free(GStaticPrivate *);
extern const gchar *g_quark_to_string(GQuark);
```

```
extern GList *g_list_prepend(GList *, gpointer);
extern gchar *g_utf8_find_next_char(const gchar *, const gchar
*);
extern void g_static_rw_lock_writer_lock(GStaticRWLock *);
extern GIOStatus g_io_channel_read_line(GIOChannel *, gchar * *,
gsize *,
                                        gsize *, GError * *);
extern void g_thread_pool_stop_unused_threads(void);
extern const gchar *const *g_get_system_data_dirs(void);
extern GLogLevelFlags g_log_set_fatal_mask(const gchar *,
GLogLevelFlags);
extern GMainContext *g_main_loop_get_context(GMainLoop *);
extern gpointer g_malloc(gulong);
extern GIOStatus g_io_channel_flush(GIOChannel *, GError * *);
extern gboolean g_file_test(const gchar *, GFileTest);
extern void g_key_file_set_integer(GKeyFile *, const gchar *,
                                   const gchar *, gint);
extern void g_date_set_year(GDate *, GDateYear);
extern gpointer g_once_impl(GOnce *, GThreadFunc, gpointer);
extern void g_usleep(gulong);
extern void g_thread_pool_push(GThreadPool *, gpointer, GError *
*);
extern void g_key_file_remove_comment(GKeyFile *, const gchar *,
                                      const gchar *, GError * *);
extern GTuples *g_relation_select(GRelation *, gconstpointer,
gint);
extern gboolean g_unichar_istitle(gunichar);
extern gchar *g_strrstr(const gchar *, const gchar *);
extern GQuark g_spawn_error_quark(void);
extern GTokenType g_scanner_cur_token(GScanner *);
extern void g_date_free(GDate *);
extern gboolean g_io_channel_get_close_on_unref(GIOChannel *);
extern GScanner *g_scanner_new(const GScannerConfig *);
extern guint g_node_n_nodes(GNode *, GTraverseFlags);
extern gint g_tree_height(GTree *);
extern gboolean g_str_has_prefix(const gchar *, const gchar *);
extern gunichar g_utf8_get_char_validated(const gchar *, gssize);
extern void g_scanner_unexp_token(GScanner *, GTokenType, const
gchar *,
                                  const gchar *, const gchar *,
                                  const gchar *, gint);
extern GString *g_string_prepend_c(GString *, gchar);
extern void g_relation_destroy(GRelation *);
extern guint g_hash_table_foreach_steal(GHashTable *, GHRFunc,
gpointer);
extern void g_free(gpointer);
extern guint g_int_hash(gconstpointer);
extern gboolean g_threads_got_initialized;
extern void g_source_get_current_time(GSource *, GTimeVal *);
extern GList *g_queue_pop_tail_link(GQueue *);
extern GString *g_string_new(const gchar *);
extern void g_key_file_set_boolean_list(GKeyFile *, const gchar
*,
                                        const gchar *, gboolean
*, gsize);
extern GString *g_string_append(GString *, const gchar *);
extern GByteArray *g_byte_array_append(GByteArray *, const guint8
*,
                                       guint);
extern void g_key_file_set_value(GKeyFile *, const gchar *, const
gchar *,
                                 const gchar *);
extern gboolean g_pattern_spec_equal(GPatternSpec *, GPatternSpec
*);
extern GMainContext *g_main_context_new(void);
extern gboolean g_unichar_ispunct(gunichar);
```

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```
extern guint8 g_date_get_sunday_weeks_in_year(GDateYear);
extern void g_date_subtract_days(GDate *, guint);
extern gboolean g_date_valid_weekday(GDateWeekday);
extern  gchar  **g_strsplit_set(const  gchar  *,  const  gchar  *,
gint);
extern void g_dataset_destroy(gconstpointer);
extern gpointer g_async_queue_pop_unlocked(GAsyncQueue *);
extern guint g_scanner_cur_position(GScanner *);
extern guint g_date_get_day_of_year(const GDate *);
extern   GList   *g_list_find_custom(GList   *,   gconstpointer,
GCompareFunc);
extern void g_source_unref(GSource *);
extern GSList *g_slist_remove_link(GSList *, GSList *);
extern GDateDay g_date_get_day(const GDate *);
extern gboolean g_option_context_parse(GOptionContext *, gint *,
                                       gchar * **, GError * *);
extern void g_tree_foreach(GTree *, GTraverseFunc, gpointer);
extern void g_string_chunk_free(GStringChunk *);
extern gchar *g_strjoinv(const gchar *, gchar * *);
extern GString *g_string_append_c(GString *, gchar);
extern GString *g_string_truncate(GString *, gsize);
extern const gchar *g_get_tmp_dir(void);
extern  void  g_scanner_input_text(GScanner  *,  const  gchar  *,
guint);
extern gpointer g_list_nth_data(GList *, guint);
extern GNode *g_node_last_child(GNode *);
extern gboolean g_node_is_ancestor(GNode *, GNode *);
extern GString *g_string_ascii_down(GString *);
extern void g_blow_chunks(void);
extern gboolean g_unichar_get_mirror_char(gunichar, gunichar *);
extern  GOptionGroup  *g_option_group_new(const  gchar  *,  const
gchar *,
                                          const gchar *, gpointer,
                                          GDestroyNotify);
extern const gchar *g_get_user_cache_dir(void);
extern  gboolean  *g_key_file_get_boolean_list(GKeyFile  *,  const
gchar *,
                                               const gchar *, gsize
*,
                                               GError * *);
extern void g_scanner_warn(GScanner *, const gchar *, ...);
extern void g_queue_delete_link(GQueue *, GList *);
extern guint g_direct_hash(gconstpointer);
extern   GSList   *g_slist_find_custom(GSList   *,   gconstpointer,
GCompareFunc);
extern GTokenValue g_scanner_cur_value(GScanner *);
extern guint8 g_date_get_days_in_month(GDateMonth, GDateYear);
extern gboolean g_get_charset(const char **);
extern gboolean g_unichar_isalnum(gunichar);
extern GList *g_list_reverse(GList *);
extern   void   g_hook_insert_sorted(GHookList   *,   GHook   *,
GHookCompareFunc);
extern guint g_source_attach(GSource *, GMainContext *);
extern gchar *g_strconcat(const gchar *, ...);
extern void g_nullify_pointer(gpointer *);
extern void g_ptr_array_remove_range(GPtrArray *, guint, guint);
extern void g_static_rw_lock_free(GStaticRWLock *);
extern GString *g_string_new_len(const gchar *, gssize);
extern GList *g_list_insert_before(GList *, GList *, gpointer);
extern void g_date_set_parse(GDate *, const gchar *);
extern void g_log_remove_handler(const gchar *, guint);
extern gboolean g_str_equal(gconstpointer, gconstpointer);
extern GMainLoop *g_main_loop_ref(GMainLoop *);
extern  gchar  *g_ucs4_to_utf8(const  gunichar  *,  glong,  glong  *,
glong *,
                               GError * *);
```

```
extern gpointer g_memdup(gconstpointer, guint);
extern GAllocator *g_allocator_new(const gchar *, guint);
extern  GList  *g_completion_complete_utf8(GCompletion  *,  const
gchar *,
                                          gchar * *);
extern void g_main_loop_run(GMainLoop *);
extern void g_scanner_error(GScanner *, const gchar *, ...);
extern void g_mem_chunk_reset(GMemChunk *);
extern   GThread   *g_thread_create_full(GThreadFunc,   gpointer,
gulong,
                                       gboolean,           gboolean,
GThreadPriority,
                                       GError * *);
extern gboolean g_date_is_first_of_month(const GDate *);
extern gunichar *g_utf8_to_ucs4_fast(const gchar *, glong, glong
*);
extern void g_queue_reverse(GQueue *);
extern void g_node_children_foreach(GNode *, GTraverseFlags,
                                    GNodeForeachFunc, gpointer);
extern void g_timer_stop(GTimer *);
extern GSourceFuncs g_timeout_funcs;
extern  gboolean  g_main_context_wait(GMainContext  *,  GCond  *,
GMutex *);
extern void g_set_prgname(const gchar *);
extern void g_allocator_free(GAllocator *);
extern                          const                        gchar
*g_markup_parse_context_get_element(GMarkupParseContext
                                                            *);
extern guint g_parse_debug_string(const gchar *, const GDebugKey
*, guint);
extern void g_error_free(GError *);
extern  gchar  *g_string_chunk_insert_len(GStringChunk  *,  const
gchar *,
                                         gssize);
extern GArray *g_array_new(gboolean, gboolean, guint);
extern GDate *g_date_new_dmy(GDateDay, GDateMonth, GDateYear);
extern GMemVTable *glib_mem_profiler_table;
extern   void   g_qsort_with_data(gconstpointer,   gint,   gsize,
GCompareDataFunc,
                               gpointer);
extern gboolean g_shell_parse_argv(const gchar *, gint *, gchar *
**,
                                  GError * *);
extern gchar *g_strchomp(gchar *);
extern guint32 g_random_int(void);
extern void g_option_context_set_main_group(GOptionContext *,
                                            GOptionGroup *);
extern void g_date_clear(GDate *, guint);
extern GIOStatus g_io_channel_read_unichar(GIOChannel *, gunichar
*,
                                           GError * *);
extern GList *g_list_nth(GList *, guint);
extern void g_node_destroy(GNode *);
extern const gchar *glib_check_version(guint, guint, guint);
extern GThread *g_thread_self(void);
extern  GList  *g_list_sort_with_data(GList  *,  GCompareDataFunc,
gpointer);
extern void g_io_channel_set_line_term(GIOChannel *, const gchar
*, gint);
extern GIOChannel *g_io_channel_unix_new(gint);
extern GThreadFunctions g_thread_functions_for_glib_use;
extern  GString  *g_string_insert(GString  *,  gssize,  const  gchar
*);
extern gpointer g_trash_stack_pop(GTrashStack * *);
extern    void    g_hook_list_marshal(GHookList    *,    gboolean,
GHookMarshaller,
```

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```
                                gpointer);
extern size_t g_iconv(GIConv, gchar * *, gsize *, gchar * *,
gsize *);
extern void g_queue_remove(GQueue *, gconstpointer);
extern const gchar *g_path_skip_root(const gchar *);
extern gint g_queue_link_index(GQueue *, GList *);
extern gpointer g_tuples_index(GTuples *, gint, gint);
extern GIOChannelError g_io_channel_error_from_errno(gint);
extern void g_main_context_wakeup(GMainContext *);
extern gboolean g_direct_equal(gconstpointer, gconstpointer);
extern GSource *g_source_new(GSourceFuncs *, guint);
extern gboolean g_idle_remove_by_data(gpointer);
extern void g_io_channel_set_buffer_size(GIOChannel *, gsize);
extern    guint    g_io_add_watch_full(GIOChannel    *,    gint,
GIOCondition, GIOFunc,
                                gpointer, GDestroyNotify);
extern void g_dir_rewind(GDir *);
extern GSourceFuncs g_child_watch_funcs;
extern gint g_iconv_close(GIConv);
extern gchar *g_ascii_strdown(const gchar *, gssize);
extern  gchar  *g_key_file_get_locale_string(GKeyFile  *,  const
gchar *,
                                        const  gchar  *,  const
gchar *,
                                        GError * *);
extern GQueue *g_queue_copy(GQueue *);
extern guint g_node_depth(GNode *);
extern const gchar *g_strsignal(gint);
extern GSList *g_slist_concat(GSList *, GSList *);
extern  gboolean  g_source_remove_by_funcs_user_data(GSourceFuncs
*,
                                                gpointer);
extern GSource *g_io_create_watch(GIOChannel *, GIOCondition);
extern gpointer g_cache_insert(GCache *, gpointer);
extern gpointer g_scanner_lookup_symbol(GScanner *, const gchar
*);
extern GIOStatus g_io_channel_seek_position(GIOChannel *, gint64,
                                         GSeekType,  GError  *
*);
extern gboolean g_thread_use_default_impl;
extern guint g_io_add_watch(GIOChannel *, GIOCondition, GIOFunc,
gpointer);
extern                                                  GSource
*g_main_context_find_source_by_user_data(GMainContext *,

gpointer);
extern GIConv g_iconv_open(const gchar *, const gchar *);
extern gchar *g_strdup_vprintf(const gchar *, va_list);
extern void g_datalist_clear(GData * *);
extern void g_static_rw_lock_reader_unlock(GStaticRWLock *);
extern gsize g_strlcpy(gchar *, const gchar *, gsize);
extern GRand *g_rand_new_with_seed(guint32);
extern guint g_thread_pool_unprocessed(GThreadPool *);
extern GQuark g_file_error_quark(void);
extern gdouble g_ascii_strtod(const gchar *, gchar * *);
extern  GByteArray  *g_byte_array_prepend(GByteArray  *,  const
guint8 *,
                                    guint);
extern GQuark g_quark_from_static_string(const gchar *);
extern void g_unicode_canonical_ordering(gunichar *, gsize);
extern gboolean g_ptr_array_remove_fast(GPtrArray *, gpointer);
extern gint g_list_index(GList *, gconstpointer);
extern void g_tree_destroy(GTree *);
extern GDate *g_date_new(void);
extern                                                   void
g_thread_init_with_errorcheck_mutexes(GThreadFunctions *);
```

```
extern void g_thread_init(GThreadFunctions *);
```

12.3.2 glib-2.0/glib/gprintf.h

```
extern gint g_sprintf(gchar *, const gchar *, ...);
extern gint g_fprintf(FILE *, const gchar *, ...);
extern gint g_vasprintf(gchar * *, const gchar *, va_list);
extern gint g_vprintf(const gchar *, va_list);
extern gint g_printf(const gchar *, ...);
extern gint g_vfprintf(FILE *, const gchar *, va_list);
extern gint g_vsnprintf(gchar *, gulong, const gchar *, va_list);
extern gint g_vsprintf(gchar *, const gchar *, va_list);
extern gint g_snprintf(gchar *, gulong, const gchar *, ...);
```

12.3.3 glib-2.0/glib/gstdio.h

```
#define g_fopen fopen
#define g_freopen       freopen
#define g_lstat lstat
#define g_mkdir mkdir
#define g_open  open
#define g_remove        remove
#define g_rename        rename
#define g_rmdir rmdir
#define g_stat  stat
#define g_unlink        unlink
```

12.4 Interfaces for libgobject-2.0

Table 12-4 defines the library name and shared object name for the libgobject-2.0 library

Table 12-4 libgobject-2.0 Definition

Library:	libgobject-2.0
SONAME:	libgobject-2.0.so.0

The behavior of the interfaces in this library is specified by the following specifications:

[Gobject] Gobject 2.6.2 Reference Manual

12.4.1 Glib Object System

12.4.1.1 Interfaces for Glib Object System

An LSB conforming implementation shall provide the generic functions for Glib Object System specified in Table 12-5, with the full mandatory functionality as described in the referenced underlying specification.

Table 12-5 libgobject-2.0 - Glib Object System Function Interfaces

g_boxed_copy [Gobject]	g_boxed_free [Gobject]
g_boxed_type_register_static [Gobject]	g_cclosure_marshal_BOOLEAN__FLAGS [Gobject]
g_cclosure_marshal_STRING__OBJECT_POINTER [Gobject]	g_cclosure_marshal_VOID__BOOLEAN [Gobject]

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g_cclosure_marshal_VOID__BOXED [Gobject]	g_cclosure_marshal_VOID__CHAR [Gobject]
g_cclosure_marshal_VOID__DOUBLE [Gobject]	g_cclosure_marshal_VOID__ENUM [Gobject]
g_cclosure_marshal_VOID__FLAGS [Gobject]	g_cclosure_marshal_VOID__FLOAT [Gobject]
g_cclosure_marshal_VOID__INT [Gobject]	g_cclosure_marshal_VOID__LONG [Gobject]
g_cclosure_marshal_VOID__OBJECT [Gobject]	g_cclosure_marshal_VOID__PARAM [Gobject]
g_cclosure_marshal_VOID__POINTER [Gobject]	g_cclosure_marshal_VOID__STRING [Gobject]
g_cclosure_marshal_VOID__UCHAR [Gobject]	g_cclosure_marshal_VOID__UINT [Gobject]
g_cclosure_marshal_VOID__UINT_POINTER [Gobject]	g_cclosure_marshal_VOID__ULONG [Gobject]
g_cclosure_marshal_VOID__VOID [Gobject]	g_cclosure_new [Gobject]
g_cclosure_new_object [Gobject]	g_cclosure_new_object_swap [Gobject]
g_cclosure_new_swap [Gobject]	g_closure_add_finalize_notifier [Gobject]
g_closure_add_invalidate_notifier [Gobject]	g_closure_add_marshal_guards [Gobject]
g_closure_get_type [Gobject]	g_closure_invalidate [Gobject]
g_closure_invoke [Gobject]	g_closure_new_object [Gobject]
g_closure_new_simple [Gobject]	g_closure_ref [Gobject]
g_closure_remove_finalize_notifier [Gobject]	g_closure_remove_invalidate_notifier [Gobject]
g_closure_set_marshal [Gobject]	g_closure_set_meta_marshal [Gobject]
g_closure_sink [Gobject]	g_closure_unref [Gobject]
g_enum_complete_type_info [Gobject]	g_enum_get_value [Gobject]
g_enum_get_value_by_name [Gobject]	g_enum_get_value_by_nick [Gobject]
g_enum_register_static [Gobject]	g_flags_complete_type_info [Gobject]
g_flags_get_first_value [Gobject]	g_flags_get_value_by_name [Gobject]
g_flags_get_value_by_nick [Gobject]	g_flags_register_static [Gobject]

g_gstring_get_type [Gobject]	g_io_channel_get_type [Gobject]
g_io_condition_get_type [Gobject]	g_object_add_weak_pointer [Gobject]
g_object_class_find_property [Gobject]	g_object_class_install_property [Gobject]
g_object_class_list_properties [Gobject]	g_object_class_override_property [Gobject]
g_object_connect [Gobject]	g_object_disconnect [Gobject]
g_object_freeze_notify [Gobject]	g_object_get [Gobject]
g_object_get_data [Gobject]	g_object_get_property [Gobject]
g_object_get_qdata [Gobject]	g_object_get_valist [Gobject]
g_object_interface_find_property [Gobject]	g_object_interface_install_property [Gobject]
g_object_interface_list_properties [Gobject]	g_object_new [Gobject]
g_object_new_valist [Gobject]	g_object_newv [Gobject]
g_object_notify [Gobject]	g_object_ref [Gobject]
g_object_remove_weak_pointer [Gobject]	g_object_run_dispose [Gobject]
g_object_set [Gobject]	g_object_set_data [Gobject]
g_object_set_data_full [Gobject]	g_object_set_property [Gobject]
g_object_set_qdata [Gobject]	g_object_set_qdata_full [Gobject]
g_object_set_valist [Gobject]	g_object_steal_data [Gobject]
g_object_steal_qdata [Gobject]	g_object_thaw_notify [Gobject]
g_object_unref [Gobject]	g_object_watch_closure [Gobject]
g_object_weak_ref [Gobject]	g_object_weak_unref [Gobject]
g_param_spec_boolean [Gobject]	g_param_spec_boxed [Gobject]
g_param_spec_char [Gobject]	g_param_spec_double [Gobject]
g_param_spec_enum [Gobject]	g_param_spec_flags [Gobject]
g_param_spec_float [Gobject]	g_param_spec_get_blurb [Gobject]
g_param_spec_get_name [Gobject]	g_param_spec_get_nick [Gobject]
g_param_spec_get_qdata [Gobject]	g_param_spec_get_redirect_target [Gobject]
g_param_spec_int [Gobject]	g_param_spec_int64 [Gobject]
g_param_spec_internal [Gobject]	g_param_spec_long [Gobject]
g_param_spec_object [Gobject]	g_param_spec_override [Gobject]
g_param_spec_param [Gobject]	g_param_spec_pointer [Gobject]

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g_param_spec_pool_insert [Gobject]	g_param_spec_pool_list [Gobject]
g_param_spec_pool_list_owned [Gobject]	g_param_spec_pool_lookup [Gobject]
g_param_spec_pool_new [Gobject]	g_param_spec_pool_remove [Gobject]
g_param_spec_ref [Gobject]	g_param_spec_set_qdata [Gobject]
g_param_spec_set_qdata_full [Gobject]	g_param_spec_sink [Gobject]
g_param_spec_steal_qdata [Gobject]	g_param_spec_string [Gobject]
g_param_spec_uchar [Gobject]	g_param_spec_uint [Gobject]
g_param_spec_uint64 [Gobject]	g_param_spec_ulong [Gobject]
g_param_spec_unichar [Gobject]	g_param_spec_unref [Gobject]
g_param_spec_value_array [Gobject]	g_param_type_register_static [Gobject]
g_param_value_convert [Gobject]	g_param_value_defaults [Gobject]
g_param_value_set_default [Gobject]	g_param_value_validate [Gobject]
g_param_values_cmp [Gobject]	g_pointer_type_register_static [Gobject]
g_signal_accumulator_true_handled [Gobject]	g_signal_add_emission_hook [Gobject]
g_signal_chain_from_overridden [Gobject]	g_signal_connect_closure [Gobject]
g_signal_connect_closure_by_id [Gobject]	g_signal_connect_data [Gobject]
g_signal_connect_object [Gobject]	g_signal_emit [Gobject]
g_signal_emit_by_name [Gobject]	g_signal_emit_valist [Gobject]
g_signal_emitv [Gobject]	g_signal_get_invocation_hint [Gobject]
g_signal_handler_block [Gobject]	g_signal_handler_disconnect [Gobject]
g_signal_handler_find [Gobject]	g_signal_handler_is_connected [Gobject]
g_signal_handler_unblock [Gobject]	g_signal_handlers_block_matched [Gobject]
g_signal_handlers_destroy [Gobject]	g_signal_handlers_disconnect_matched [Gobject]
g_signal_handlers_unblock_matched [Gobject]	g_signal_has_handler_pending [Gobject]
g_signal_list_ids [Gobject]	g_signal_lookup [Gobject]

g_signal_name [Gobject]	g_signal_new [Gobject]
g_signal_new_valist [Gobject]	g_signal_newv [Gobject]
g_signal_override_class_closure [Gobject]	g_signal_parse_name [Gobject]
g_signal_query [Gobject]	g_signal_remove_emission_hook [Gobject]
g_signal_stop_emission [Gobject]	g_signal_stop_emission_by_name [Gobject]
g_signal_type_cclosure_new [Gobject]	g_source_set_closure [Gobject]
g_strdup_value_contents [Gobject]	g_strv_get_type [Gobject]
g_type_add_class_cache_func [Gobject]	g_type_add_interface_check [Gobject]
g_type_add_interface_dynamic [Gobject]	g_type_add_interface_static [Gobject]
g_type_check_class_cast [Gobject]	g_type_check_class_is_a [Gobject]
g_type_check_instance [Gobject]	g_type_check_instance_cast [Gobject]
g_type_check_instance_is_a [Gobject]	g_type_check_is_value_type [Gobject]
g_type_check_value [Gobject]	g_type_check_value_holds [Gobject]
g_type_children [Gobject]	g_type_class_add_private [Gobject]
g_type_class_peek [Gobject]	g_type_class_peek_parent [Gobject]
g_type_class_peek_static [Gobject]	g_type_class_ref [Gobject]
g_type_class_unref [Gobject]	g_type_class_unref_uncached [Gobject]
g_type_create_instance [Gobject]	g_type_default_interface_peek [Gobject]
g_type_default_interface_ref [Gobject]	g_type_default_interface_unref [Gobject]
g_type_depth [Gobject]	g_type_free_instance [Gobject]
g_type_from_name [Gobject]	g_type_fundamental [Gobject]
g_type_fundamental_next [Gobject]	g_type_get_plugin [Gobject]
g_type_get_qdata [Gobject]	g_type_init [Gobject]
g_type_init_with_debug_flags [Gobject]	g_type_instance_get_private [Gobject]
g_type_interface_add_prerequisite [Gobject]	g_type_interface_get_plugin [Gobject]
g_type_interface_peek [Gobject]	g_type_interface_peek_parent [Gobject]

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g_type_interface_prerequisites [Gobject]	g_type_interfaces [Gobject]
g_type_is_a [Gobject]	g_type_module_add_interface [Gobject]
g_type_module_get_type [Gobject]	g_type_module_register_enum [Gobject]
g_type_module_register_flags [Gobject]	g_type_module_register_type [Gobject]
g_type_module_set_name [Gobject]	g_type_module_unuse [Gobject]
g_type_module_use [Gobject]	g_type_name [Gobject]
g_type_name_from_class [Gobject]	g_type_name_from_instance [Gobject]
g_type_next_base [Gobject]	g_type_parent [Gobject]
g_type_plugin_complete_interface_i nfo [Gobject]	g_type_plugin_complete_type_info [Gobject]
g_type_plugin_get_type [Gobject]	g_type_plugin_unuse [Gobject]
g_type_plugin_use [Gobject]	g_type_qname [Gobject]
g_type_query [Gobject]	g_type_register_dynamic [Gobject]
g_type_register_fundamental [Gobject]	g_type_register_static [Gobject]
g_type_remove_class_cache_func [Gobject]	g_type_remove_interface_check [Gobject]
g_type_set_qdata [Gobject]	g_type_test_flags [Gobject]
g_type_value_table_peek [Gobject]	g_value_array_append [Gobject]
g_value_array_copy [Gobject]	g_value_array_free [Gobject]
g_value_array_get_nth [Gobject]	g_value_array_get_type [Gobject]
g_value_array_insert [Gobject]	g_value_array_new [Gobject]
g_value_array_prepend [Gobject]	g_value_array_remove [Gobject]
g_value_array_sort [Gobject]	g_value_array_sort_with_data [Gobject]
g_value_copy [Gobject]	g_value_dup_boxed [Gobject]
g_value_dup_object [Gobject]	g_value_dup_param [Gobject]
g_value_dup_string [Gobject]	g_value_fits_pointer [Gobject]
g_value_get_boolean [Gobject]	g_value_get_boxed [Gobject]
g_value_get_char [Gobject]	g_value_get_double [Gobject]
g_value_get_enum [Gobject]	g_value_get_flags [Gobject]
g_value_get_float [Gobject]	g_value_get_int [Gobject]
g_value_get_int64 [Gobject]	g_value_get_long [Gobject]

g_value_get_object [Gobject]	g_value_get_param [Gobject]
g_value_get_pointer [Gobject]	g_value_get_string [Gobject]
g_value_get_type [Gobject]	g_value_get_uchar [Gobject]
g_value_get_uint [Gobject]	g_value_get_uint64 [Gobject]
g_value_get_ulong [Gobject]	g_value_init [Gobject]
g_value_peek_pointer [Gobject]	g_value_register_transform_func [Gobject]
g_value_reset [Gobject]	g_value_set_boolean [Gobject]
g_value_set_boxed [Gobject]	g_value_set_char [Gobject]
g_value_set_double [Gobject]	g_value_set_enum [Gobject]
g_value_set_flags [Gobject]	g_value_set_float [Gobject]
g_value_set_instance [Gobject]	g_value_set_int [Gobject]
g_value_set_int64 [Gobject]	g_value_set_long [Gobject]
g_value_set_object [Gobject]	g_value_set_param [Gobject]
g_value_set_pointer [Gobject]	g_value_set_static_boxed [Gobject]
g_value_set_static_string [Gobject]	g_value_set_string [Gobject]
g_value_set_uchar [Gobject]	g_value_set_uint [Gobject]
g_value_set_uint64 [Gobject]	g_value_set_ulong [Gobject]
g_value_take_boxed [Gobject]	g_value_take_object [Gobject]
g_value_take_param [Gobject]	g_value_take_string [Gobject]
g_value_transform [Gobject]	g_value_type_compatible [Gobject]
g_value_type_transformable [Gobject]	g_value_unset [Gobject]

An LSB conforming implementation shall provide the generic data interfaces for Glib Object System specified in Table 12-6, with the full mandatory functionality as described in the referenced underlying specification.

Table 12-6 libgobject-2.0 - Glib Object System Data Interfaces

g_param_spec_types [Gobject]	

12.5 Data Definitions for libgobject-2.0

This section defines global identifiers and their values that are associated with interfaces contained in libgobject-2.0. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and

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application developers should use this ABI to supplement - not to replace - source interface definition specifications.

This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

12.5.1 glib-2.0/glib-object.h

```
#define G_CCLOSURE_SWAP_DATA(cclosure)   \
        (((GClosure*) (closure))->derivative_flag)
#define G_CLOSURE_NEEDS_MARSHAL(closure)         \
        (((GClosure*) (closure))->marshal == NULL)
#define G_TYPE_FROM_INTERFACE(g_iface)   \
        (((GTypeInterface*) (g_iface))->g_type)
#define G_CLOSURE_N_NOTIFIERS(cl)        \
        ((cl)->meta_marshal  +  ((cl)->n_guards  <<  1L)  +  (cl)-
>n_fnotifiers + \
        (cl)->n_inotifiers)
#define _G_TYPE_CCC(cp,gt,ct)    \
        ((ct*) g_type_check_class_cast ((GTypeClass*) cp, gt))
#define _G_TYPE_CIC(ip,gt,ct)    \
        ((ct*)  g_type_check_instance_cast  ((GTypeInstance*)  ip,
gt))
#define _G_TYPE_IGI(ip,gt,ct)    \
        ((ct*)   g_type_interface_peek   (((GTypeInstance*)   ip)-
>g_class, gt))
#define        G_TYPE_INSTANCE_GET_PRIVATE(instance,g_type,c_type)
\
        ((c_type*)  g_type_instance_get_private  ((GTypeInstance*)
(instance), \
        (g_type)))
#define G_TYPE_MAKE_FUNDAMENTAL(x)       \
        ((GType) ((x) << G_TYPE_FUNDAMENTAL_SHIFT))
#define _G_TYPE_CCT(cp,gt)       \
        (G_GNUC_EXTENSION ({ GTypeClass *__class = (GTypeClass*)
cp; GType \
        __t = gt; gboolean __r; if (__class && __class->g_type ==
__t) __r = \
        TRUE; else __r = g_type_check_class_is_a (__class, __t);
__r; }))
#define _G_TYPE_CIT(ip,gt)       \
        (G_GNUC_EXTENSION    ({    GTypeInstance    *__inst    =
(GTypeInstance*) ip; \
        GType  __t  =  gt;  gboolean  __r;  if  (__inst  &&  __inst-
>g_class && \
        __inst->g_class->g_type == __t) __r = TRUE; else __r = \
        g_type_check_instance_is_a (__inst, __t); __r; }))
#define _G_TYPE_CVH(vl,gt)       \
        (G_GNUC_EXTENSION ({ GValue *__val = (GValue*) vl; GType
__t = gt; \
        gboolean  __r;  if  (__val  &&  __val->g_type  ==  __t)  __r  =
TRUE; else __r \
        = g_type_check_value_holds (__val, __t); __r; }))
#define G_ENUM_CLASS(class)      \
        (G_TYPE_CHECK_CLASS_CAST      ((class),      G_TYPE_ENUM,
GEnumClass))
#define G_FLAGS_CLASS(class)     \
        (G_TYPE_CHECK_CLASS_CAST      ((class),      G_TYPE_FLAGS,
GFlagsClass))
#define G_OBJECT_CLASS(class)    \
```

```
        (G_TYPE_CHECK_CLASS_CAST     ((class),     G_TYPE_OBJECT,
GObjectClass))
#define G_TYPE_MODULE_CLASS(class)       \
        (G_TYPE_CHECK_CLASS_CAST ((class), G_TYPE_TYPE_MODULE, \
        GTypeModuleClass))
#define G_PARAM_SPEC_CLASS(pclass)       \
        (G_TYPE_CHECK_CLASS_CAST     ((pclass),     G_TYPE_PARAM,
GParamSpecClass))
#define G_TYPE_PLUGIN_CLASS(vtable)      \
        (G_TYPE_CHECK_CLASS_CAST ((vtable), G_TYPE_TYPE_PLUGIN, \
        GTypePluginClass))
#define G_IS_ENUM_CLASS(class)   \
        (G_TYPE_CHECK_CLASS_TYPE ((class), G_TYPE_ENUM))
#define G_IS_FLAGS_CLASS(class)  \
        (G_TYPE_CHECK_CLASS_TYPE ((class), G_TYPE_FLAGS))
#define G_IS_OBJECT_CLASS(class)         \
        (G_TYPE_CHECK_CLASS_TYPE ((class), G_TYPE_OBJECT))
#define G_IS_TYPE_MODULE_CLASS(class)    \
        (G_TYPE_CHECK_CLASS_TYPE ((class), G_TYPE_TYPE_MODULE))
#define G_IS_PARAM_SPEC_CLASS(pclass)    \
        (G_TYPE_CHECK_CLASS_TYPE ((pclass), G_TYPE_PARAM))
#define G_IS_TYPE_PLUGIN_CLASS(vtable)   \
        (G_TYPE_CHECK_CLASS_TYPE ((vtable), G_TYPE_TYPE_PLUGIN))
#define G_TYPE_PLUGIN(inst)      \
        (G_TYPE_CHECK_INSTANCE_CAST  ((inst),  G_TYPE_TYPE_PLUGIN,
\
        GTypePlugin))
#define G_TYPE_MODULE(module)    \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((module),
G_TYPE_TYPE_MODULE, \
        GTypeModule))
#define G_OBJECT(object)         \
        (G_TYPE_CHECK_INSTANCE_CAST   ((object),   G_TYPE_OBJECT,
GObject))
#define G_PARAM_SPEC(pspec)      \
        (G_TYPE_CHECK_INSTANCE_CAST    ((pspec),    G_TYPE_PARAM,
GParamSpec))
#define G_PARAM_SPEC_BOOLEAN(pspec)      \
        (G_TYPE_CHECK_INSTANCE_CAST                      ((pspec),
G_TYPE_PARAM_BOOLEAN, \
        GParamSpecBoolean))
#define G_PARAM_SPEC_BOXED(pspec)        \
        (G_TYPE_CHECK_INSTANCE_CAST ((pspec), G_TYPE_PARAM_BOXED,
\
        GParamSpecBoxed))
#define G_PARAM_SPEC_CHAR(pspec)         \
        (G_TYPE_CHECK_INSTANCE_CAST  ((pspec),  G_TYPE_PARAM_CHAR,
\
        GParamSpecChar))
#define G_PARAM_SPEC_DOUBLE(pspec)       \
        (G_TYPE_CHECK_INSTANCE_CAST                      ((pspec),
G_TYPE_PARAM_DOUBLE, \
        GParamSpecDouble))
#define G_PARAM_SPEC_ENUM(pspec)         \
        (G_TYPE_CHECK_INSTANCE_CAST  ((pspec),  G_TYPE_PARAM_ENUM,
\
        GParamSpecEnum))
#define G_PARAM_SPEC_FLAGS(pspec)        \
        (G_TYPE_CHECK_INSTANCE_CAST ((pspec), G_TYPE_PARAM_FLAGS,
\
        GParamSpecFlags))
#define G_PARAM_SPEC_FLOAT(pspec)        \
        (G_TYPE_CHECK_INSTANCE_CAST ((pspec), G_TYPE_PARAM_FLOAT,
\
        GParamSpecFloat))
#define G_PARAM_SPEC_INT(pspec)  \
```

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```
        (G_TYPE_CHECK_INSTANCE_CAST ((pspec), G_TYPE_PARAM_INT, \
        GParamSpecInt))
#define G_PARAM_SPEC_INT64(pspec)        \
        (G_TYPE_CHECK_INSTANCE_CAST ((pspec), G_TYPE_PARAM_INT64,
\
        GParamSpecInt64))
#define G_PARAM_SPEC_LONG(pspec)         \
        (G_TYPE_CHECK_INSTANCE_CAST  ((pspec),  G_TYPE_PARAM_LONG,
\
        GParamSpecLong))
#define G_PARAM_SPEC_OBJECT(pspec)       \
        (G_TYPE_CHECK_INSTANCE_CAST                      ((pspec),
G_TYPE_PARAM_OBJECT, \
        GParamSpecObject))
#define G_PARAM_SPEC_OVERRIDE(pspec)     \
        (G_TYPE_CHECK_INSTANCE_CAST                      ((pspec),
G_TYPE_PARAM_OVERRIDE, \
        GParamSpecOverride))
#define G_PARAM_SPEC_PARAM(pspec)        \
        (G_TYPE_CHECK_INSTANCE_CAST ((pspec), G_TYPE_PARAM_PARAM,
\
        GParamSpecParam))
#define G_PARAM_SPEC_POINTER(pspec)      \
        (G_TYPE_CHECK_INSTANCE_CAST                      ((pspec),
G_TYPE_PARAM_POINTER, \
        GParamSpecPointer))
#define G_PARAM_SPEC_STRING(pspec)       \
        (G_TYPE_CHECK_INSTANCE_CAST                      ((pspec),
G_TYPE_PARAM_STRING, \
        GParamSpecString))
#define G_PARAM_SPEC_UCHAR(pspec)        \
        (G_TYPE_CHECK_INSTANCE_CAST ((pspec), G_TYPE_PARAM_UCHAR,
\
        GParamSpecUChar))
#define G_PARAM_SPEC_UINT(pspec)         \
        (G_TYPE_CHECK_INSTANCE_CAST  ((pspec),  G_TYPE_PARAM_UINT,
\
        GParamSpecUInt))
#define G_PARAM_SPEC_UINT64(pspec)       \
        (G_TYPE_CHECK_INSTANCE_CAST                      ((pspec),
G_TYPE_PARAM_UINT64, \
        GParamSpecUInt64))
#define G_PARAM_SPEC_ULONG(pspec)        \
        (G_TYPE_CHECK_INSTANCE_CAST ((pspec), G_TYPE_PARAM_ULONG,
\
        GParamSpecULong))
#define G_PARAM_SPEC_UNICHAR(pspec)      \
        (G_TYPE_CHECK_INSTANCE_CAST                      ((pspec),
G_TYPE_PARAM_UNICHAR, \
        GParamSpecUnichar))
#define G_PARAM_SPEC_VALUE_ARRAY(pspec)  \
        (G_TYPE_CHECK_INSTANCE_CAST                      ((pspec),
G_TYPE_PARAM_VALUE_ARRAY, \
        GParamSpecValueArray))
#define G_IS_TYPE_PLUGIN(inst)   \
        (G_TYPE_CHECK_INSTANCE_TYPE ((inst), G_TYPE_TYPE_PLUGIN))
#define G_IS_TYPE_MODULE(module)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                     ((module),
G_TYPE_TYPE_MODULE))
#define G_IS_OBJECT(object)      \
        (G_TYPE_CHECK_INSTANCE_TYPE ((object), G_TYPE_OBJECT))
#define G_IS_PARAM_SPEC(pspec)   \
        (G_TYPE_CHECK_INSTANCE_TYPE ((pspec), G_TYPE_PARAM))
#define G_IS_PARAM_SPEC_BOOLEAN(pspec)   \
        (G_TYPE_CHECK_INSTANCE_TYPE                      ((pspec),
G_TYPE_PARAM_BOOLEAN))
```

```
#define G_IS_PARAM_SPEC_BOXED(pspec)     \
        (G_TYPE_CHECK_INSTANCE_TYPE                      ((pspec),
G_TYPE_PARAM_BOXED))
#define G_IS_PARAM_SPEC_CHAR(pspec)      \
        (G_TYPE_CHECK_INSTANCE_TYPE ((pspec), G_TYPE_PARAM_CHAR))
#define G_IS_PARAM_SPEC_DOUBLE(pspec)    \
        (G_TYPE_CHECK_INSTANCE_TYPE                      ((pspec),
G_TYPE_PARAM_DOUBLE))
#define G_IS_PARAM_SPEC_ENUM(pspec)      \
        (G_TYPE_CHECK_INSTANCE_TYPE ((pspec), G_TYPE_PARAM_ENUM))
#define G_IS_PARAM_SPEC_FLAGS(pspec)     \
        (G_TYPE_CHECK_INSTANCE_TYPE                      ((pspec),
G_TYPE_PARAM_FLAGS))
#define G_IS_PARAM_SPEC_FLOAT(pspec)     \
        (G_TYPE_CHECK_INSTANCE_TYPE                      ((pspec),
G_TYPE_PARAM_FLOAT))
#define G_IS_PARAM_SPEC_INT(pspec)       \
        (G_TYPE_CHECK_INSTANCE_TYPE ((pspec), G_TYPE_PARAM_INT))
#define G_IS_PARAM_SPEC_INT64(pspec)     \
        (G_TYPE_CHECK_INSTANCE_TYPE                      ((pspec),
G_TYPE_PARAM_INT64))
#define G_IS_PARAM_SPEC_LONG(pspec)      \
        (G_TYPE_CHECK_INSTANCE_TYPE ((pspec), G_TYPE_PARAM_LONG))
#define G_IS_PARAM_SPEC_OBJECT(pspec)    \
        (G_TYPE_CHECK_INSTANCE_TYPE                      ((pspec),
G_TYPE_PARAM_OBJECT))
#define G_IS_PARAM_SPEC_OVERRIDE(pspec)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                      ((pspec),
G_TYPE_PARAM_OVERRIDE))
#define G_IS_PARAM_SPEC_PARAM(pspec)     \
        (G_TYPE_CHECK_INSTANCE_TYPE                      ((pspec),
G_TYPE_PARAM_PARAM))
#define G_IS_PARAM_SPEC_POINTER(pspec)   \
        (G_TYPE_CHECK_INSTANCE_TYPE                      ((pspec),
G_TYPE_PARAM_POINTER))
#define G_IS_PARAM_SPEC_STRING(pspec)    \
        (G_TYPE_CHECK_INSTANCE_TYPE                      ((pspec),
G_TYPE_PARAM_STRING))
#define G_IS_PARAM_SPEC_UCHAR(pspec)     \
        (G_TYPE_CHECK_INSTANCE_TYPE                      ((pspec),
G_TYPE_PARAM_UCHAR))
#define G_IS_PARAM_SPEC_UINT(pspec)      \
        (G_TYPE_CHECK_INSTANCE_TYPE ((pspec), G_TYPE_PARAM_UINT))
#define G_IS_PARAM_SPEC_UINT64(pspec)    \
        (G_TYPE_CHECK_INSTANCE_TYPE                      ((pspec),
G_TYPE_PARAM_UINT64))
#define G_IS_PARAM_SPEC_ULONG(pspec)     \
        (G_TYPE_CHECK_INSTANCE_TYPE                      ((pspec),
G_TYPE_PARAM_ULONG))
#define G_IS_PARAM_SPEC_UNICHAR(pspec)   \
        (G_TYPE_CHECK_INSTANCE_TYPE                      ((pspec),
G_TYPE_PARAM_UNICHAR))
#define G_IS_PARAM_SPEC_VALUE_ARRAY(pspec)       \
        (G_TYPE_CHECK_INSTANCE_TYPE                      ((pspec),
G_TYPE_PARAM_VALUE_ARRAY))
#define G_VALUE_HOLDS(value,type)        \
        (G_TYPE_CHECK_VALUE_TYPE ((value), (type)))
#define G_VALUE_HOLDS_BOOLEAN(value)     \
        (G_TYPE_CHECK_VALUE_TYPE ((value), G_TYPE_BOOLEAN))
#define G_VALUE_HOLDS_BOXED(value)       \
        (G_TYPE_CHECK_VALUE_TYPE ((value), G_TYPE_BOXED))
#define G_VALUE_HOLDS_CHAR(value)        \
        (G_TYPE_CHECK_VALUE_TYPE ((value), G_TYPE_CHAR))
#define G_VALUE_HOLDS_DOUBLE(value)      \
        (G_TYPE_CHECK_VALUE_TYPE ((value), G_TYPE_DOUBLE))
#define G_VALUE_HOLDS_ENUM(value)        \
```

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```
        (G_TYPE_CHECK_VALUE_TYPE ((value), G_TYPE_ENUM))
#define G_VALUE_HOLDS_FLAGS(value)       \
        (G_TYPE_CHECK_VALUE_TYPE ((value), G_TYPE_FLAGS))
#define G_VALUE_HOLDS_FLOAT(value)       \
        (G_TYPE_CHECK_VALUE_TYPE ((value), G_TYPE_FLOAT))
#define G_VALUE_HOLDS_INT(value)         \
        (G_TYPE_CHECK_VALUE_TYPE ((value), G_TYPE_INT))
#define G_VALUE_HOLDS_INT64(value)       \
        (G_TYPE_CHECK_VALUE_TYPE ((value), G_TYPE_INT64))
#define G_VALUE_HOLDS_LONG(value)        \
        (G_TYPE_CHECK_VALUE_TYPE ((value), G_TYPE_LONG))
#define G_VALUE_HOLDS_OBJECT(value)      \
        (G_TYPE_CHECK_VALUE_TYPE ((value), G_TYPE_OBJECT))
#define G_VALUE_HOLDS_PARAM(value)       \
        (G_TYPE_CHECK_VALUE_TYPE ((value), G_TYPE_PARAM))
#define G_VALUE_HOLDS_POINTER(value)     \
        (G_TYPE_CHECK_VALUE_TYPE ((value), G_TYPE_POINTER))
#define G_VALUE_HOLDS_STRING(value)      \
        (G_TYPE_CHECK_VALUE_TYPE ((value), G_TYPE_STRING))
#define G_VALUE_HOLDS_UCHAR(value)       \
        (G_TYPE_CHECK_VALUE_TYPE ((value), G_TYPE_UCHAR))
#define G_VALUE_HOLDS_UINT(value)        \
        (G_TYPE_CHECK_VALUE_TYPE ((value), G_TYPE_UINT))
#define G_VALUE_HOLDS_UINT64(value)      \
        (G_TYPE_CHECK_VALUE_TYPE ((value), G_TYPE_UINT64))
#define G_VALUE_HOLDS_ULONG(value)       \
        (G_TYPE_CHECK_VALUE_TYPE ((value), G_TYPE_ULONG))
#define G_TYPE_FROM_INSTANCE(instance)   \
        (G_TYPE_FROM_CLASS     (((GTypeInstance*)     (instance))-
>g_class))
#define G_TYPE_IS_INTERFACE(type)        \
        (G_TYPE_FUNDAMENTAL (type) == G_TYPE_INTERFACE)
#define G_TYPE_IS_OBJECT(type)   \
        (G_TYPE_FUNDAMENTAL (type) == G_TYPE_OBJECT)
#define G_TYPE_MODULE_GET_CLASS(module)  \
        (G_TYPE_INSTANCE_GET_CLASS ((module), G_TYPE_TYPE_MODULE,
\
        GTypeModuleClass))
#define G_OBJECT_GET_CLASS(object)       \
        (G_TYPE_INSTANCE_GET_CLASS    ((object),    G_TYPE_OBJECT,
GObjectClass))
#define G_PARAM_SPEC_GET_CLASS(pspec)    \
        (G_TYPE_INSTANCE_GET_CLASS     ((pspec),     G_TYPE_PARAM,
GParamSpecClass))
#define G_TYPE_PLUGIN_GET_CLASS(inst)    \
        (G_TYPE_INSTANCE_GET_INTERFACE                    ((inst),
G_TYPE_TYPE_PLUGIN, \
        GTypePluginClass))
#define G_ENUM_CLASS_TYPE_NAME(class)    \
        (g_type_name (G_ENUM_CLASS_TYPE (class)))
#define G_FLAGS_CLASS_TYPE_NAME(class)   \
        (g_type_name (G_FLAGS_TYPE (class)))
#define G_OBJECT_CLASS_NAME(class)       \
        (g_type_name (G_OBJECT_CLASS_TYPE (class)))
#define G_PARAM_SPEC_TYPE_NAME(pspec)    \
        (g_type_name (G_PARAM_SPEC_TYPE (pspec)))
#define G_TYPE_IS_ABSTRACT(type)         \
        (g_type_test_flags ((type), G_TYPE_FLAG_ABSTRACT))
#define G_TYPE_IS_CLASSED(type)  \
        (g_type_test_flags ((type), G_TYPE_FLAG_CLASSED))
#define G_TYPE_IS_DEEP_DERIVABLE(type)   \
        (g_type_test_flags ((type), G_TYPE_FLAG_DEEP_DERIVABLE))
#define G_TYPE_IS_DERIVABLE(type)        \
        (g_type_test_flags ((type), G_TYPE_FLAG_DERIVABLE))
#define G_TYPE_IS_INSTANTIATABLE(type)   \
        (g_type_test_flags ((type), G_TYPE_FLAG_INSTANTIATABLE))
```

```
#define G_TYPE_IS_VALUE_ABSTRACT(type)   \
        (g_type_test_flags ((type), G_TYPE_FLAG_VALUE_ABSTRACT))
#define G_TYPE_HAS_VALUE_TABLE(type)     \
        (g_type_value_table_peek (type) != NULL)
#define G_TYPE_CHECK_CLASS_CAST(g_class,g_type,c_type)   \
        (_G_TYPE_CCC ((g_class), (g_type), c_type))
#define G_TYPE_CHECK_CLASS_TYPE(g_class,g_type)  \
        (_G_TYPE_CCT ((g_class), (g_type)))
#define G_TYPE_CHECK_INSTANCE(instance)  \
        (_G_TYPE_CHI ((GTypeInstance*) (instance)))
#define         G_TYPE_CHECK_INSTANCE_CAST(instance,g_type,c_type)
\
        (_G_TYPE_CIC ((instance), (g_type), c_type))
#define G_TYPE_CHECK_INSTANCE_TYPE(instance,g_type)      \
        (_G_TYPE_CIT ((instance), (g_type)))
#define G_TYPE_CHECK_VALUE_TYPE(value,g_type)    \
        (_G_TYPE_CVH ((value), (g_type)))
#define          G_TYPE_INSTANCE_GET_CLASS(instance,g_type,c_type)
\
        (_G_TYPE_IGC ((instance), (g_type), c_type))
#define      G_TYPE_INSTANCE_GET_INTERFACE(instance,g_type,c_type)
\
        (_G_TYPE_IGI ((instance), (g_type), c_type))
#define G_DEFINE_TYPE_WITH_CODE(TN,t_n,T_P,_C_)  \
        G_DEFINE_TYPE_EXTENDED (TN, t_n, T_P, 0, _C_)
#define G_DEFINE_TYPE(TN,t_n,T_P)        \
        G_DEFINE_TYPE_EXTENDED (TN, t_n, T_P, 0, {})
#define           G_DEFINE_ABSTRACT_TYPE_WITH_CODE(TN,t_n,T_P,_C_)
\
        G_DEFINE_TYPE_EXTENDED        (TN,        t_n,        T_P,
G_TYPE_FLAG_ABSTRACT, _C_)
#define G_DEFINE_ABSTRACT_TYPE(TN,t_n,T_P)       \
        G_DEFINE_TYPE_EXTENDED        (TN,        t_n,        T_P,
G_TYPE_FLAG_ABSTRACT, {})
#define
G_OBJECT_WARN_INVALID_PROPERTY_ID(object,property_id,pspec)
\
        G_OBJECT_WARN_INVALID_PSPEC     ((object),     "property",
(property_id), \
        (pspec))
#define  g_signal_connect(instance,detailed_signal,c_handler,data)
\
        g_signal_connect_data   ((instance),   (detailed_signal),
(c_handler), \
        (data), NULL, (GConnectFlags) 0)
#define
g_signal_connect_after(instance,detailed_signal,c_handler,data)
\
        g_signal_connect_data   ((instance),   (detailed_signal),
(c_handler), \
        (data), NULL, G_CONNECT_AFTER)
#define
g_signal_connect_swapped(instance,detailed_signal,c_handler,data)
\
        g_signal_connect_data   ((instance),   (detailed_signal),
(c_handler), \
        (data), NULL, G_CONNECT_SWAPPED)
#define        g_signal_handlers_block_by_func(instance,func,data)
\
        g_signal_handlers_block_matched               ((instance),
(GSignalMatchType) \
        (G_SIGNAL_MATCH_FUNC | G_SIGNAL_MATCH_DATA), 0, 0, NULL,
(func), \
        (data))
#define   g_signal_handlers_disconnect_by_func(instance,func,data)
\
```

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```
        g_signal_handlers_disconnect_matched          ((instance),
(GSignalMatchType) \
        (G_SIGNAL_MATCH_FUNC | G_SIGNAL_MATCH_DATA), 0, 0, NULL,
(func), \
        (data))
#define      g_signal_handlers_unblock_by_func(instance,func,data)
\
        g_signal_handlers_unblock_matched             ((instance),
(GSignalMatchType) \
        (G_SIGNAL_MATCH_FUNC | G_SIGNAL_MATCH_DATA), 0, 0, NULL,
(func), \
        (data))
#define
G_OBJECT_WARN_INVALID_PSPEC(object,pname,property_id,pspec)
\
        G_STMT_START { GObject *_object = (GObject*) (object);
GParamSpec \
        *_pspec = (GParamSpec*) (pspec); guint _property_id =
(property_id); \
        g_warning ("%s: invalid %s id %u for \"%s\" of type %s in
%s", \
        G_STRLOC,     (pname),     _property_id,     _pspec->name,
g_type_name \
        (G_PARAM_SPEC_TYPE      (_pspec)),      G_OBJECT_TYPE_NAME
(_object)); } \
        G_STMT_END
#define
G_DEFINE_TYPE_EXTENDED(TypeName,type_name,TYPE_PARENT,flags,CODE)
\
        static void type_name ##_init (TypeName *self); static
void type_name \
        ##_class_init (TypeName ##Class *klass); static gpointer
type_name \
        ##_parent_class   =   NULL;   static   void   type_name
##_class_intern_init \
        (gpointer klass) { type_name ##_parent_class = \
        g_type_class_peek_parent (klass); type_name ##_class_init
((TypeName \
        ##Class*) klass); } GType type_name ##_get_type (void) {
static GType \
        g_define_type_id = 0; if (G_UNLIKELY (g_define_type_id ==
0)) { static \
        const GTypeInfo g_define_type_info = { sizeof (TypeName
##Class), \
        (GBaseInitFunc)    NULL,    (GBaseFinalizeFunc)    NULL,
(GClassInitFunc) \
        type_name   ##_class_intern_init,   (GClassFinalizeFunc)
NULL, NULL, \
        sizeof  (TypeName),  0,  (GInstanceInitFunc)  type_name
##_init, NULL }; \
        g_define_type_id = g_type_register_static (TYPE_PARENT,
#TypeName, \
        &g_define_type_info, (GTypeFlags) flags); { CODE ; } }
return \
        g_define_type_id; }
#define G_IMPLEMENT_INTERFACE(TYPE_IFACE,iface_init)     \
        { static const GInterfaceInfo g_implement_interface_info
= { \
        (GInterfaceInitFunc)            iface_init            };
g_type_add_interface_static \
        (g_define_type_id,                            TYPE_IFACE,
&g_implement_interface_info); }
#define  G_TYPE_FROM_CLASS(g_class)              (((GTypeClass*)
(g_class))->g_type)
#define G_VALUE_TYPE(value)     (((GValue*) (value))->g_type)
```

```
#define _G_TYPE_IGC(ip,gt,ct)     ((ct*) (((GTypeInstance*) ip)-
>g_class))
#define G_CALLBACK(f)   ((GCallback) (f))
#define G_TYPE_FLAG_RESERVED_ID_BIT     ((GType) (1 << 0))
#define   G_TYPE_IS_FUNDAMENTAL(type)                ((type)   <=
G_TYPE_FUNDAMENTAL_MAX)
#define G_TYPE_IS_DERIVED(type) ((type) > G_TYPE_FUNDAMENTAL_MAX)
#define G_PARAM_MASK    (0x000000ff)
#define G_VALUE_NOCOPY_CONTENTS (1 << 27)
#define G_TYPE_FUNDAMENTAL_SHIFT        (2)
#define G_TYPE_RESERVED_GLIB_FIRST      (21)
#define G_TYPE_FUNDAMENTAL_MAX  (255 << G_TYPE_FUNDAMENTAL_SHIFT)
#define G_TYPE_RESERVED_GLIB_LAST       (31)
#define G_TYPE_RESERVED_BSE_FIRST       (32)
#define G_TYPE_RESERVED_BSE_LAST        (48)
#define G_TYPE_RESERVED_USER_FIRST      (49)
#define G_PARAM_USER_SHIFT      (8)
#define G_TYPE_CLOSURE  (g_closure_get_type ())
#define G_TYPE_GSTRING  (g_gstring_get_type ())
#define G_TYPE_IO_CHANNEL       (g_io_channel_get_type ())
#define G_TYPE_IO_CONDITION     (g_io_condition_get_type ())
#define   G_PARAM_READWRITE                  (G_PARAM_READABLE   |
G_PARAM_WRITABLE)
#define  G_PARAM_SPEC_VALUE_TYPE(pspec)    (G_PARAM_SPEC  (pspec)-
>value_type)
#define G_TYPE_PARAM_CHAR       (g_param_spec_types[0])
#define G_TYPE_PARAM_ENUM       (g_param_spec_types[10])
#define G_TYPE_PARAM_FLAGS      (g_param_spec_types[11])
#define G_TYPE_PARAM_FLOAT      (g_param_spec_types[12])
#define G_TYPE_PARAM_DOUBLE     (g_param_spec_types[13])
#define G_TYPE_PARAM_STRING     (g_param_spec_types[14])
#define G_TYPE_PARAM_PARAM      (g_param_spec_types[15])
#define G_TYPE_PARAM_BOXED      (g_param_spec_types[16])
#define G_TYPE_PARAM_POINTER    (g_param_spec_types[17])
#define G_TYPE_PARAM_VALUE_ARRAY        (g_param_spec_types[18])
#define G_TYPE_PARAM_OBJECT     (g_param_spec_types[19])
#define G_TYPE_PARAM_UCHAR      (g_param_spec_types[1])
#define G_TYPE_PARAM_OVERRIDE   (g_param_spec_types[20])
#define G_TYPE_PARAM_BOOLEAN    (g_param_spec_types[2])
#define G_TYPE_PARAM_INT        (g_param_spec_types[3])
#define G_TYPE_PARAM_UINT       (g_param_spec_types[4])
#define G_TYPE_PARAM_LONG       (g_param_spec_types[5])
#define G_TYPE_PARAM_ULONG      (g_param_spec_types[6])
#define G_TYPE_PARAM_INT64      (g_param_spec_types[7])
#define G_TYPE_PARAM_UINT64     (g_param_spec_types[8])
#define G_TYPE_PARAM_UNICHAR    (g_param_spec_types[9])
#define G_TYPE_STRV     (g_strv_get_type ())
#define  _G_TYPE_CHI(ip)  (g_type_check_instance  ((GTypeInstance*)
ip))
#define   G_TYPE_IS_VALUE(type)        (g_type_check_is_value_type
(type))
#define                                 G_TYPE_IS_VALUE_TYPE(type)
(g_type_check_is_value_type (type))
#define _G_TYPE_CHV(vl) (g_type_check_value ((GValue*) vl))
#define G_IS_VALUE(value)       (G_TYPE_CHECK_VALUE (value))
#define                                 G_SIGNAL_TYPE_STATIC_SCOPE
(G_TYPE_FLAG_RESERVED_ID_BIT)
#define  G_ENUM_CLASS_TYPE(class)               (G_TYPE_FROM_CLASS
(class))
#define  G_FLAGS_CLASS_TYPE(class)              (G_TYPE_FROM_CLASS
(class))
#define  G_OBJECT_CLASS_TYPE(class)             (G_TYPE_FROM_CLASS
(class))
#define G_OBJECT_TYPE(object)   (G_TYPE_FROM_INSTANCE (object))
#define  G_PARAM_SPEC_TYPE(pspec)            (G_TYPE_FROM_INSTANCE
(pspec))
```

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```
#define  G_TYPE_IS_BOXED(type)     (G_TYPE_FUNDAMENTAL  (type)  ==
G_TYPE_BOXED)
#define  G_TYPE_IS_ENUM(type)      (G_TYPE_FUNDAMENTAL  (type)  ==
G_TYPE_ENUM)
#define  G_TYPE_IS_FLAGS(type)     (G_TYPE_FUNDAMENTAL  (type)  ==
G_TYPE_FLAGS)
#define  G_TYPE_IS_PARAM(type)     (G_TYPE_FUNDAMENTAL  (type)  ==
G_TYPE_PARAM)
#define  G_TYPE_FUNDAMENTAL(type)              (g_type_fundamental
(type))
#define G_TYPE_TYPE_MODULE      (g_type_module_get_type ())
#define   G_OBJECT_TYPE_NAME(object)                  (g_type_name
(G_OBJECT_TYPE (object)))
#define   G_VALUE_TYPE_NAME(value)                    (g_type_name
(G_VALUE_TYPE (value)))
#define G_TYPE_TYPE_PLUGIN      (g_type_plugin_get_type ())
#define G_TYPE_VALUE_ARRAY      (g_value_array_get_type ())
#define G_TYPE_VALUE    (g_value_get_type ())
#define G_TYPE_CHECK_VALUE(value)       (_G_TYPE_CHV ((value)))
#define G_SIGNAL_MATCH_MASK     0x3f
#define G_SIGNAL_FLAGS_MASK     0x7f
#define GOBJECT_VAR     extern
#define                           g_cclosure_marshal_BOOL__FLAGS
g_cclosure_marshal_BOOLEAN__FLAGS
#define G_TYPE_INVALID  G_TYPE_MAKE_FUNDAMENTAL (0)
#define G_TYPE_NONE     G_TYPE_MAKE_FUNDAMENTAL (1)
#define G_TYPE_INT64    G_TYPE_MAKE_FUNDAMENTAL (10)
#define G_TYPE_UINT64   G_TYPE_MAKE_FUNDAMENTAL (11)
#define G_TYPE_ENUM     G_TYPE_MAKE_FUNDAMENTAL (12)
#define G_TYPE_FLAGS    G_TYPE_MAKE_FUNDAMENTAL (13)
#define G_TYPE_FLOAT    G_TYPE_MAKE_FUNDAMENTAL (14)
#define G_TYPE_DOUBLE   G_TYPE_MAKE_FUNDAMENTAL (15)
#define G_TYPE_STRING   G_TYPE_MAKE_FUNDAMENTAL (16)
#define G_TYPE_POINTER  G_TYPE_MAKE_FUNDAMENTAL (17)
#define G_TYPE_BOXED    G_TYPE_MAKE_FUNDAMENTAL (18)
#define G_TYPE_PARAM    G_TYPE_MAKE_FUNDAMENTAL (19)
#define G_TYPE_INTERFACE        G_TYPE_MAKE_FUNDAMENTAL (2)
#define G_TYPE_OBJECT   G_TYPE_MAKE_FUNDAMENTAL (20)
#define G_TYPE_CHAR     G_TYPE_MAKE_FUNDAMENTAL (3)
#define G_TYPE_UCHAR    G_TYPE_MAKE_FUNDAMENTAL (4)
#define G_TYPE_BOOLEAN  G_TYPE_MAKE_FUNDAMENTAL (5)
#define G_TYPE_INT      G_TYPE_MAKE_FUNDAMENTAL (6)
#define G_TYPE_UINT     G_TYPE_MAKE_FUNDAMENTAL (7)
#define G_TYPE_LONG     G_TYPE_MAKE_FUNDAMENTAL (8)
#define G_TYPE_ULONG    G_TYPE_MAKE_FUNDAMENTAL (9)

typedef gulong GType;
typedef struct _GTypeClass {
    GType g_type;
} GTypeClass;
typedef struct _GTypeInstance {
    GTypeClass *g_class;
} GTypeInstance;
typedef struct _GObject {
    GTypeInstance g_type_instance;
    guint ref_count;
    GData *qdata;
} GObject;
typedef float gfloat;
typedef struct _GValue {
    GType g_type;
    union {
        gint v_int;
        guint v_uint;
        glong v_long;
        gulong v_ulong;
```

```
            gint64 v_int64;
            guint64 v_uint64;
            gfloat v_float;
            gdouble v_double;
            gpointer v_pointer;
        } data[2];
    } GValue;
    typedef enum {
        G_PARAM_READABLE = 1,
        G_PARAM_WRITABLE = 2,
        G_PARAM_CONSTRUCT = 4,
        G_PARAM_CONSTRUCT_ONLY = 8,
        G_PARAM_LAX_VALIDATION = 16,
        G_PARAM_PRIVATE = 32
    } GParamFlags;
    typedef struct _GParamSpec {
        GTypeInstance g_type_instance;
        gchar *name;
        GParamFlags flags;
        GType value_type;
        GType owner_type;
        gchar *_nick;
        gchar *_blurb;
        GData *qdata;
        guint ref_count;
        guint param_id;
    } GParamSpec;
    typedef struct _GObjectConstructParam {
        GParamSpec *pspec;
        GValue *value;
    } GObjectConstructParam;
    typedef struct _GObjectClass {
        GTypeClass g_type_class;
        GSList *construct_properties;
        GObject *(*constructor) (GType, guint, GObjectConstructParam
    *);
        void (*set_property) (GObject *, guint, const GValue *,
    GParamSpec *);
        void (*get_property) (GObject *, guint, GValue *, GParamSpec
    *);
        void (*dispose) (GObject *);
        void (*finalize) (GObject *);
        void (*dispatch_properties_changed) (GObject *, guint,
    GParamSpec * *);
        void (*notify) (GObject *, GParamSpec *);
        gpointer pdummy[8];
    } GObjectClass;
    typedef struct _GClosure {
        guint ref_count:15;
        guint meta_marshal:1;
        guint n_guards:1;
        guint n_fnotifiers:2;
        guint n_inotifiers:8;
        guint in_inotify:1;
        guint floating:1;
        guint derivative_flag:1;
        guint in_marshal:1;
        guint is_invalid:1;
        void (*marshal) (GClosure *, GValue *, guint, const GValue *,
    gpointer,
                         gpointer);
        gpointer data;
        GClosureNotifyData *notifiers;
    } GClosure;
    typedef void (*GClosureNotify) (gpointer, GClosure *);
    typedef struct _GClosureNotifyData {
```

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```
    gpointer data;
    GClosureNotify notify;
} GClosureNotifyData;
typedef void (*GTypeInterfaceCheckFunc) (gpointer, gpointer);
typedef struct _GValueArray {
    guint n_values;
    GValue *values;
    guint n_prealloced;
} GValueArray;
typedef struct _GEnumValue {
    gint value;
    gchar *value_name;
    gchar *value_nick;
} GEnumValue;
typedef struct _GEnumClass {
    GTypeClass g_type_class;
    gint minimum;
    gint maximum;
    guint n_values;
    GEnumValue *values;
} GEnumClass;
typedef struct _GParamSpecPool
 GParamSpecPool;
typedef enum {
    G_TYPE_DEBUG_NONE = 0,
    G_TYPE_DEBUG_OBJECTS = 1,
    G_TYPE_DEBUG_SIGNALS = 2,
    G_TYPE_DEBUG_MASK = 3
} GTypeDebugFlags;
typedef struct _GTypePlugin
 GTypePlugin;
typedef enum {
    G_SIGNAL_MATCH_ID = 1,
    G_SIGNAL_MATCH_DETAIL = 2,
    G_SIGNAL_MATCH_CLOSURE = 4,
    G_SIGNAL_MATCH_FUNC = 8,
    G_SIGNAL_MATCH_DATA = 16,
    G_SIGNAL_MATCH_UNBLOCKED = 32
} GSignalMatchType;
typedef struct _GFlagsValue {
    guint value;
    gchar *value_name;
    gchar *value_nick;
} GFlagsValue;
typedef void (*GClosureMarshal) (GClosure *, GValue *, guint,
                                 const    GValue    *,    gpointer,
gpointer);
typedef void (*GCallback) (void);
typedef struct _GFlagsClass {
    GTypeClass g_type_class;
    guint mask;
    guint n_values;
    GFlagsValue *values;
} GFlagsClass;
typedef gboolean(*GTypeClassCacheFunc) (gpointer, GTypeClass *);
typedef enum {
    G_SIGNAL_RUN_FIRST = 1,
    G_SIGNAL_RUN_LAST = 2,
    G_SIGNAL_RUN_CLEANUP = 4,
    G_SIGNAL_NO_RECURSE = 8,
    G_SIGNAL_DETAILED = 16,
    G_SIGNAL_ACTION = 32,
    G_SIGNAL_NO_HOOKS = 64
} GSignalFlags;
typedef struct _GSignalInvocationHint {
    guint signal_id;
```

```
    GQuark detail;
    GSignalFlags run_type;
} GSignalInvocationHint;
typedef void (*GWeakNotify) (gpointer, GObject *);
typedef void (*GBaseInitFunc) (gpointer);
typedef void (*GBaseFinalizeFunc) (gpointer);
typedef void (*GClassInitFunc) (gpointer, gpointer);
typedef void (*GClassFinalizeFunc) (gpointer, gpointer);
typedef void (*GInstanceInitFunc) (GTypeInstance *, gpointer);
typedef union _GTypeCValue GTypeCValue;
typedef struct _GTypeValueTable {
    void (*value_init) (GValue *);
    void (*value_free) (GValue *);
    void (*value_copy) (const GValue *, GValue *);
     gpointer(*value_peek_pointer) (const GValue *);
    gchar *collect_format;
    gchar  *(*collect_value)  (GValue  *,  guint,  GTypeCValue  *,
guint);
    gchar *lcopy_format;
    gchar *(*lcopy_value) (const GValue *, guint, GTypeCValue *,
guint);
} GTypeValueTable;
typedef struct _GTypeInfo {
    guint16 class_size;
    GBaseInitFunc base_init;
    GBaseFinalizeFunc base_finalize;
    GClassInitFunc class_init;
    GClassFinalizeFunc class_finalize;
    gconstpointer class_data;
    guint16 instance_size;
    guint16 n_preallocs;
    GInstanceInitFunc instance_init;
    const GTypeValueTable *value_table;
} GTypeInfo;
typedef enum {
    G_TYPE_FLAG_ABSTRACT = 16,
    G_TYPE_FLAG_VALUE_ABSTRACT = 32
} GTypeFlags;
typedef struct _GTypeModule {
    GObject parent_instance;
    guint use_count;
    GSList *type_infos;
    GSList *interface_infos;
    gchar *name;
} GTypeModule;
typedef void (*GInterfaceInitFunc) (gpointer, gpointer);
typedef void (*GInterfaceFinalizeFunc) (gpointer, gpointer);
typedef struct _GInterfaceInfo {
    GInterfaceInitFunc interface_init;
    GInterfaceFinalizeFunc interface_finalize;
    gpointer interface_data;
} GInterfaceInfo;
typedef  gboolean(*GSignalAccumulator)  (GSignalInvocationHint  *,
GValue *,
                                         const GValue *, gpointer);
typedef GClosureMarshal GSignalCMarshaller;
typedef enum {
    G_CONNECT_AFTER = 1,
    G_CONNECT_SWAPPED = 2
} GConnectFlags;
typedef enum {
    G_TYPE_FLAG_CLASSED = 1,
    G_TYPE_FLAG_INSTANTIATABLE = 2,
    G_TYPE_FLAG_DERIVABLE = 4,
    G_TYPE_FLAG_DEEP_DERIVABLE = 8
} GTypeFundamentalFlags;
```

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```
typedef struct _GTypeFundamentalInfo {
    GTypeFundamentalFlags type_flags;
} GTypeFundamentalInfo;
typedef struct _GTypeQuery {
    GType type;
    const gchar *type_name;
    guint class_size;
    guint instance_size;
} GTypeQuery;
typedef gboolean(*GSignalEmissionHook) (GSignalInvocationHint *,
guint,
                                        const      GValue      *,
gpointer);
typedef void (*GValueTransform) (const GValue *, GValue *);
typedef struct _GParameter {
    const gchar *name;
    GValue value;
} GParameter;
typedef struct _GParamSpecTypeInfo {
    guint16 instance_size;
    guint16 n_preallocs;
    void (*instance_init) (GParamSpec *);
    GType value_type;
    void (*finalize) (GParamSpec *);
    void (*value_set_default) (GParamSpec *, GValue *);
     gboolean(*value_validate) (GParamSpec *, GValue *);
     gint(*values_cmp) (GParamSpec *, const GValue *, const
GValue *);
} GParamSpecTypeInfo;
typedef gpointer(*GBoxedCopyFunc) (gpointer);
typedef void (*GBoxedFreeFunc) (gpointer);
typedef struct _GSignalQuery {
    guint signal_id;
    const gchar *signal_name;
    GType itype;
    GSignalFlags signal_flags;
    GType return_type;
    guint n_params;
    const GType *param_types;
} GSignalQuery;
typedef struct _GTypeInterface {
    GType g_type;
    GType g_instance_type;
} GTypeInterface;
typedef void (*GTypePluginCompleteInterfaceInfo) (GTypePlugin *,
GType,
                                                  GType,
GInterfaceInfo *);
typedef struct _GParamSpecObject {
    GParamSpec parent_instance;
} GParamSpecObject;
typedef void (*GTypePluginUnuse) (GTypePlugin *);
typedef void (*GTypePluginUse) (GTypePlugin *);
typedef void (*GTypePluginCompleteTypeInfo) (GTypePlugin *,
GType,
                                             GTypeInfo *,
                                             GTypeValueTable *);
typedef struct _GTypePluginClass {
    GTypeInterface base_iface;
    GTypePluginUse use_plugin;
    GTypePluginUnuse unuse_plugin;
    GTypePluginCompleteTypeInfo complete_type_info;
    GTypePluginCompleteInterfaceInfo complete_interface_info;
} GTypePluginClass;
typedef struct _GCClosure {
    GClosure closure;
```

```
    gpointer callback;
} GCClosure;
typedef struct _GParamSpecUnichar {
    GParamSpec parent_instance;
    gunichar default_value;
} GParamSpecUnichar;
typedef struct _GParamSpecUInt64 {
    GParamSpec parent_instance;
    guint64 minimum;
    guint64 maximum;
    guint64 default_value;
} GParamSpecUInt64;
typedef struct _GParamSpecBoxed {
    GParamSpec parent_instance;
} GParamSpecBoxed;
typedef struct _GParamSpecOverride {
    GParamSpec parent_instance;
    GParamSpec *overridden;
} GParamSpecOverride;
typedef struct _GParamSpecClass {
    GTypeClass g_type_class;
    GType value_type;
    void (*finalize) (GParamSpec *);
    void (*value_set_default) (GParamSpec *, GValue *);
     gboolean(*value_validate) (GParamSpec *, GValue *);
     gint(*values_cmp)  (GParamSpec  *,  const  GValue  *,  const
GValue *);
    gpointer dummy[4];
} GParamSpecClass;
typedef struct _GParamSpecLong {
    GParamSpec parent_instance;
    glong minimum;
    glong maximum;
    glong default_value;
} GParamSpecLong;
typedef struct _GParamSpecEnum {
    GParamSpec parent_instance;
    GEnumClass *enum_class;
    gint default_value;
} GParamSpecEnum;
typedef struct _GParamSpecFloat {
    GParamSpec parent_instance;
    gfloat minimum;
    gfloat maximum;
    gfloat default_value;
    gfloat epsilon;
} GParamSpecFloat;
typedef struct _GParamSpecString {
    GParamSpec parent_instance;
    gchar *default_value;
    gchar *cset_first;
    gchar *cset_nth;
    gchar substitutor;
    guint null_fold_if_empty:1;
    guint ensure_non_null:1;
} GParamSpecString;
typedef struct _GParamSpecDouble {
    GParamSpec parent_instance;
    gdouble minimum;
    gdouble maximum;
    gdouble default_value;
    gdouble epsilon;
} GParamSpecDouble;
typedef struct _GParamSpecParam {
    GParamSpec parent_instance;
} GParamSpecParam;
```

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```
typedef struct _GParamSpecValueArray {
    GParamSpec parent_instance;
    GParamSpec *element_spec;
    guint fixed_n_elements;
} GParamSpecValueArray;
typedef struct _GParamSpecFlags {
    GParamSpec parent_instance;
    GFlagsClass *flags_class;
    guint default_value;
} GParamSpecFlags;
typedef struct _GParamSpecInt64 {
    GParamSpec parent_instance;
    gint64 minimum;
    gint64 maximum;
    gint64 default_value;
} GParamSpecInt64;
typedef struct _GParamSpecPointer {
    GParamSpec parent_instance;
} GParamSpecPointer;
typedef struct _GParamSpecInt {
    GParamSpec parent_instance;
    gint minimum;
    gint maximum;
    gint default_value;
} GParamSpecInt;
typedef struct _GTypeModuleClass {
    GObjectClass parent_class;
     gboolean(*load) (GTypeModule *);
    void (*unload) (GTypeModule *);
    void (*reserved1) (void);
    void (*reserved2) (void);
    void (*reserved3) (void);
    void (*reserved4) (void);
} GTypeModuleClass;
typedef struct _GParamSpecUInt {
    GParamSpec parent_instance;
    guint minimum;
    guint maximum;
    guint default_value;
} GParamSpecUInt;
typedef struct _GParamSpecUChar {
    GParamSpec parent_instance;
    guint8 minimum;
    guint8 maximum;
    guint8 default_value;
} GParamSpecUChar;
typedef struct _GParamSpecULong {
    GParamSpec parent_instance;
    gulong minimum;
    gulong maximum;
    gulong default_value;
} GParamSpecULong;
typedef struct _GParamSpecChar {
    GParamSpec parent_instance;
    gint8 minimum;
    gint8 maximum;
    gint8 default_value;
} GParamSpecChar;
typedef struct _GParamSpecBoolean {
    GParamSpec parent_instance;
    gboolean default_value;
} GParamSpecBoolean;
typedef void (*GObjectFinalizeFunc) (GObject *);
typedef void (*GObjectGetPropertyFunc) (GObject *, guint, GValue
*,
                                        GParamSpec *);
```

```
typedef void (*GObjectSetPropertyFunc) (GObject *, guint, const
GValue *,
                                        GParamSpec *);
typedef gchar *gchararray;
typedef gchar **GStrv;
extern void g_object_set_property(GObject *, const gchar *,
                                  const GValue *);
extern void g_value_set_param(GValue *, GParamSpec *);
extern gpointer g_object_steal_qdata(GObject *, GQuark);
extern   void   g_object_class_override_property(GObjectClass   *,
guint,
                                                 const gchar *);
extern  void  g_cclosure_marshal_VOID__INT(GClosure  *,  GValue  *,
guint,
                                           const      GValue      *,
gpointer,
                                           gpointer);
extern void g_closure_sink(GClosure *);
extern gboolean g_type_check_value_holds(GValue *, GType);
extern void g_type_remove_interface_check(gpointer,

GTypeInterfaceCheckFunc);
extern GValueArray *g_value_array_remove(GValueArray *, guint);
extern gboolean g_param_value_defaults(GParamSpec *, GValue *);
extern  GParamSpec  *g_param_spec_long(const  gchar  *,  const  gchar
*,
                                       const gchar *, glong, glong,
glong,
                                       GParamFlags);
extern gpointer g_param_spec_internal(GType, const gchar *, const
gchar *,
                                        const        gchar        *,
GParamFlags);
extern  void  g_cclosure_marshal_VOID__LONG(GClosure  *,  GValue  *,
guint,
                                            const     GValue     *,
gpointer,
                                            gpointer);
extern GType g_io_channel_get_type(void);
extern GEnumValue *g_enum_get_value(GEnumClass *, gint);
extern  GParamSpec  *g_param_spec_boolean(const  gchar  *,  const
gchar *,
                                          const gchar *, gboolean,
                                          GParamFlags);
extern  GParamSpec  *g_param_spec_pointer(const  gchar  *,  const
gchar *,
                                          const       gchar       *,
GParamFlags);
extern GClosure *g_closure_new_object(guint, GObject *);
extern void g_param_spec_pool_insert(GParamSpecPool *, GParamSpec
*,
                                     GType);
extern void g_type_init_with_debug_flags(GTypeDebugFlags);
extern GType *g_type_interfaces(GType, guint *);
extern GClosure *g_closure_new_simple(guint, gpointer);
extern GParamSpec *g_param_spec_string(const gchar *, const gchar
*,
                                       const gchar *, const gchar
*,
                                       GParamFlags);
extern GValueArray *g_value_array_copy(const GValueArray *);
extern   gpointer   g_type_instance_get_private(GTypeInstance   *,
GType);
extern void g_cclosure_marshal_VOID__FLAGS(GClosure *, GValue *,
guint,
```

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```
                                          const     GValue     *,
gpointer,
                                          gpointer);
extern GTypePlugin *g_type_get_plugin(GType);
extern void g_param_spec_unref(GParamSpec *);
extern gint g_param_values_cmp(GParamSpec *, const GValue *,
                                const GValue *);
extern void g_value_set_object(GValue *, gpointer);
extern GParamSpec *g_param_spec_boxed(const gchar *, const gchar
*,
                                      const   gchar   *,   GType,
GParamFlags);
extern void g_value_set_int(GValue *, gint);
extern gboolean g_signal_parse_name(const gchar *, GType, guint
*,
                                    GQuark *, gboolean);
extern GParamSpec *g_param_spec_pool_lookup(GParamSpecPool *,
                                            const gchar *, GType,
                                            gboolean);
extern GTypeInstance *g_type_create_instance(GType);
extern    void    g_signal_override_class_closure(guint,    GType,
GClosure *);
extern gboolean g_param_value_validate(GParamSpec *, GValue *);
extern    void    g_closure_add_invalidate_notifier(GClosure    *,
gpointer,
                                                    GClosureNotify);
extern gpointer g_type_interface_peek(gpointer, GType);
extern gboolean g_type_test_flags(GType, guint);
extern void g_signal_emit_by_name(gpointer, const gchar *, ...);
extern void g_value_set_int64(GValue *, gint64);
extern void g_cclosure_marshal_VOID__UINT(GClosure *, GValue *,
guint,
                                          const     GValue     *,
gpointer,
                                          gpointer);
extern   GType   g_enum_register_static(const   gchar   *,   const
GEnumValue *);
extern guint g_signal_handlers_disconnect_matched(gpointer,

GSignalMatchType, guint,
                                                      GQuark,
GClosure *,
                                                      gpointer,
gpointer);
extern gpointer g_value_get_pointer(const GValue *);
extern   GType   g_flags_register_static(const   gchar   *,   const
GFlagsValue *);
extern gboolean g_value_fits_pointer(const GValue *);
extern void g_closure_set_marshal(GClosure *, GClosureMarshal);
extern void g_value_set_float(GValue *, gfloat);
extern void g_signal_emit(gpointer, guint, GQuark, ...);
extern GParamSpec *g_param_spec_uint(const gchar *, const gchar
*,
                                     const gchar *, guint, guint,
guint,
                                     GParamFlags);
extern  GClosure  *g_cclosure_new_object_swap(GCallback,  GObject
*);
extern   void   g_param_spec_set_qdata(GParamSpec   *,   GQuark,
gpointer);
extern guint *g_signal_list_ids(GType, guint *);
extern   GFlagsValue   *g_flags_get_first_value(GFlagsClass   *,
guint);
extern         void         g_type_add_class_cache_func(gpointer,
GTypeClassCacheFunc);
extern void g_object_unref(gpointer);
```

```
extern GParamSpec *g_value_dup_param(const GValue *);
extern void g_object_get(gpointer, const gchar *, ...);
extern void g_value_set_uint64(GValue *, guint64);
extern void g_cclosure_marshal_VOID__OBJECT(GClosure *, GValue *,
guint,
                                            const    GValue    *,
gpointer,
                                            gpointer);
extern guint64 g_value_get_uint64(const GValue *);
extern GType *g_type_children(GType, guint *);
extern const gchar *g_type_name(GType);
extern GTypeClass *g_type_check_class_cast(GTypeClass *, GType);
extern void g_cclosure_marshal_VOID__UCHAR(GClosure *, GValue *,
guint,
                                           const     GValue     *,
gpointer,
                                           gpointer);
extern gpointer g_object_new(GType, const gchar *, ...);
extern void g_type_class_unref_uncached(gpointer);
extern const gchar *g_type_name_from_class(GTypeClass *);
extern void g_object_set(gpointer, const gchar *, ...);
extern   void   g_signal_emit_valist(gpointer,   guint,   GQuark,
va_list);
extern                                      GSignalInvocationHint
*g_signal_get_invocation_hint(gpointer);
extern void g_closure_invalidate(GClosure *);
extern void g_cclosure_marshal_VOID__FLOAT(GClosure *, GValue *,
guint,
                                           const     GValue     *,
gpointer,
                                           gpointer);
extern   void   g_object_weak_unref(GObject   *,   GWeakNotify,
gpointer);
extern GParamSpec *g_param_spec_int(const gchar *, const gchar *,
                                    const  gchar  *,  gint,  gint,
gint,
                                    GParamFlags);
extern void g_value_set_char(GValue *, gchar);
extern gpointer g_type_default_interface_ref(GType);
extern     GValueArray     *g_value_array_sort(GValueArray     *,
GCompareFunc);
extern void g_cclosure_marshal_VOID__VOID(GClosure *, GValue *,
guint,
                                          const     GValue     *,
gpointer,
                                          gpointer);
extern GType *g_param_spec_types;
extern GClosure *g_cclosure_new_object(GCallback, GObject *);
extern GType g_type_register_static(GType, const gchar *,
                                    const       GTypeInfo       *,
GTypeFlags);
extern GEnumValue *g_enum_get_value_by_name(GEnumClass *, const
gchar *);
extern GFlagsValue *g_flags_get_value_by_nick(GFlagsClass *,
                                              const gchar *);
extern guint g_type_depth(GType);
extern   void   g_object_class_install_property(GObjectClass   *,
guint,
                                            GParamSpec *);
extern void g_type_plugin_unuse(GTypePlugin *);
extern void g_type_module_unuse(GTypeModule *);
extern GParamSpec *g_param_spec_flags(const gchar *, const gchar
*,
                                      const   gchar   *,   GType,
guint,
                                      GParamFlags);
```

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```
extern GParamSpec *g_param_spec_char(const gchar *, const gchar
*,
                                     const gchar *, gint8, gint8,
gint8,
                                     GParamFlags);
extern void g_closure_remove_invalidate_notifier(GClosure *,
gpointer,
                                                 GClosureNotify);
extern gint g_value_get_enum(const GValue *);
extern GParamSpec *g_object_interface_find_property(gpointer,
                                                    const gchar
*);
extern void g_value_copy(const GValue *, GValue *);
extern gpointer g_type_get_qdata(GType, GQuark);
extern void g_cclosure_marshal_VOID__DOUBLE(GClosure *, GValue *,
guint,
                                            const GValue *,
gpointer,
                                            gpointer);
extern gboolean g_value_type_compatible(GType, GType);
extern void g_object_set_data_full(GObject *, const gchar *,
gpointer,
                                   GDestroyNotify);
extern guint g_signal_handlers_block_matched(gpointer,
GSignalMatchType,
                                             guint, GQuark,
GClosure *,
                                             gpointer, gpointer);
extern gpointer g_boxed_copy(GType, gconstpointer);
extern const gchar *g_value_get_string(const GValue *);
extern void g_object_thaw_notify(GObject *);
extern void g_signal_handler_block(gpointer, gulong);
extern void g_type_plugin_complete_type_info(GTypePlugin *,
GType,
                                             GTypeInfo *,
                                             GTypeValueTable *);
extern GTypeInstance *g_type_check_instance_cast(GTypeInstance *,
GType);
extern GEnumValue *g_enum_get_value_by_nick(GEnumClass *, const
gchar *);
extern GType g_type_from_name(const gchar *);
extern gboolean
g_signal_accumulator_true_handled(GSignalInvocationHint *,
                                  GValue *, const
GValue *,
                                  gpointer);
extern GType g_type_module_register_enum(GTypeModule *, const
gchar *,
                                         const GEnumValue *);
extern void g_closure_unref(GClosure *);
extern void g_signal_chain_from_overridden(const GValue *, GValue
*);
extern gboolean g_param_value_convert(GParamSpec *, const GValue
*,
                                      GValue *, gboolean);
extern void g_type_class_add_private(gpointer, gsize);
extern gpointer g_type_interface_peek_parent(gpointer);
extern void g_type_add_interface_check(gpointer,
GTypeInterfaceCheckFunc);
extern void g_cclosure_marshal_VOID__POINTER(GClosure *, GValue
*, guint,
                                             const GValue *,
gpointer,
                                             gpointer);
extern void g_cclosure_marshal_VOID__CHAR(GClosure *, GValue *,
guint,
```

```
                                          const     GValue     *,
gpointer,
                                          gpointer);
extern GParamSpec *g_param_spec_float(const gchar *, const gchar
*,
                                     const   gchar   *,   gfloat,
gfloat,
                                     gfloat, GParamFlags);
extern gboolean g_type_is_a(GType, GType);
extern GParamSpec *g_param_spec_object(const gchar *, const gchar
*,
                                      const   gchar   *,   GType,
GParamFlags);
extern gpointer g_type_class_peek_parent(gpointer);
extern GType g_io_condition_get_type(void);
extern guchar g_value_get_uchar(const GValue *);
extern GParamSpec *g_param_spec_double(const gchar *, const gchar
*,
                                      const  gchar  *,  gdouble,
gdouble,
                                      gdouble, GParamFlags);
extern GType g_strv_get_type(void);
extern void g_cclosure_marshal_STRING__OBJECT_POINTER(GClosure *,
GValue *,
                                                        guint,
                                                        const
GValue *,
                                                        gpointer,
gpointer);
extern  gulong  g_signal_handler_find(gpointer,  GSignalMatchType,
guint,
                                    GQuark, GClosure *, gpointer,
                                    gpointer);
extern GParamSpec *g_param_spec_ref(GParamSpec *);
extern gboolean g_value_transform(const GValue *, GValue *);
extern gpointer g_type_class_peek_static(GType);
extern   GObject   *g_object_new_valist(GType,   const   gchar   *,
va_list);
extern void g_value_unset(GValue *);
extern gpointer g_value_dup_boxed(const GValue *);
extern void g_cclosure_marshal_VOID__STRING(GClosure *, GValue *,
guint,
                                            const    GValue    *,
gpointer,
                                            gpointer);
extern void g_param_spec_sink(GParamSpec *);
extern void g_object_run_dispose(GObject *);
extern    GParamSpec    *g_param_spec_override(const    gchar    *,
GParamSpec *);
extern void g_value_set_instance(GValue *, gpointer);
extern gpointer g_value_peek_pointer(const GValue *);
extern GType g_type_module_register_type(GTypeModule *, GType,
                                         const   gchar   *,   const
GTypeInfo *,
                                         GTypeFlags);
extern void g_signal_handlers_destroy(gpointer);
extern void g_value_set_boolean(GValue *, gboolean);
extern  void  g_type_plugin_complete_interface_info(GTypePlugin  *,
GType,
                                                        GType,
GInterfaceInfo *);
extern   GParamSpec   *g_param_spec_get_redirect_target(GParamSpec
*);
extern  GParamSpec  **g_object_interface_list_properties(gpointer,
guint *);
extern gint64 g_value_get_int64(const GValue *);
```

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```
extern GType g_type_module_register_flags(GTypeModule *, const
gchar *,
                                          const GFlagsValue *);
extern void g_cclosure_marshal_BOOLEAN__FLAGS(GClosure *, GValue
*, guint,
                                              const GValue *,
gpointer,
                                              gpointer);
extern gpointer g_param_spec_get_qdata(GParamSpec *, GQuark);
extern void g_type_init(void);
extern gulong g_value_get_ulong(const GValue *);
extern gchar *g_strdup_value_contents(const GValue *);
extern guint g_signal_new_valist(const gchar *, GType,
GSignalFlags,
                                 GClosure *, GSignalAccumulator,
gpointer,
                                 GSignalCMarshaller, GType,
guint,
                                 va_list);
extern void g_object_disconnect(gpointer, const gchar *, ...);
extern void g_object_add_weak_pointer(GObject *, gpointer *);
extern GParamSpec *g_param_spec_param(const gchar *, const gchar
*,
                                      const gchar *, GType,
GParamFlags);
extern void g_signal_stop_emission_by_name(gpointer, const gchar
*);
extern GValueArray *g_value_array_sort_with_data(GValueArray *,

GCompareDataFunc,
                                                 gpointer);
extern GType g_value_array_get_type(void);
extern void g_value_take_string(GValue *, gchar *);
extern GType g_closure_get_type(void);
extern void g_signal_stop_emission(gpointer, guint, GQuark);
extern void g_object_notify(GObject *, const gchar *);
extern gfloat g_value_get_float(const GValue *);
extern gchar g_value_get_char(const GValue *);
extern void g_value_take_boxed(GValue *, gconstpointer);
extern void g_cclosure_marshal_VOID__BOOLEAN(GClosure *, GValue
*, guint,
                                             const GValue *,
gpointer,
                                             gpointer);
extern gulong g_signal_connect_data(gpointer, const gchar *,
GCallback,
                                    gpointer, GClosureNotify,
                                    GConnectFlags);
extern void g_object_set_data(GObject *, const gchar *,
gpointer);
extern GType g_type_register_fundamental(GType, const gchar *,
                                         const GTypeInfo *,
                                         const
GTypeFundamentalInfo *,
                                         GTypeFlags);
extern GParamSpec **g_object_class_list_properties(GObjectClass
*,
                                                   guint *);
extern void g_cclosure_marshal_VOID__UINT_POINTER(GClosure *,
GValue *,
                                                  guint, const
GValue *,
                                                  gpointer,
gpointer);
extern void g_type_class_unref(gpointer);
```

```
extern void g_cclosure_marshal_VOID__BOXED(GClosure *, GValue *,
guint,
                                            const     GValue     *,
gpointer,
                                            gpointer);
extern gboolean g_value_type_transformable(GType, GType);
extern void g_signal_handler_unblock(gpointer, gulong);
extern GValue *g_value_init(GValue *, GType);
extern gpointer g_object_ref(gpointer);
extern  void  g_object_get_valist(GObject  *,  const  gchar  *,
va_list);
extern gboolean g_value_get_boolean(const GValue *);
extern void g_type_query(GType, GTypeQuery *);
extern void g_type_interface_add_prerequisite(GType, GType);
extern gint g_value_get_int(const GValue *);
extern  void  g_cclosure_marshal_VOID__ENUM(GClosure  *,  GValue  *,
guint,
                                           const     GValue     *,
gpointer,
                                           gpointer);
extern GType g_type_fundamental_next(void);
extern gboolean g_type_check_value(GValue *);
extern gpointer g_value_get_boxed(const GValue *);
extern GClosure *g_signal_type_cclosure_new(GType, guint);
extern void g_value_set_static_boxed(GValue *, gconstpointer);
extern GType g_type_plugin_get_type(void);
extern GType *g_type_interface_prerequisites(GType, guint *);
extern void g_boxed_free(GType, gpointer);
extern GParamSpec *g_param_spec_uint64(const gchar *, const gchar
*,
                                       const  gchar  *,  guint64,
guint64,
                                       guint64, GParamFlags);
extern GType g_type_next_base(GType, GType);
extern const gchar *g_type_name_from_instance(GTypeInstance *);
extern const gchar *g_param_spec_get_name(GParamSpec *);
extern gulong g_signal_add_emission_hook(guint, GQuark,
                                         GSignalEmissionHook,
gpointer,
                                         GDestroyNotify);
extern GParamSpec *g_object_class_find_property(GObjectClass *,
                                                const gchar *);
extern void g_value_set_long(GValue *, glong);
extern void g_param_spec_pool_remove(GParamSpecPool *, GParamSpec
*);
extern void g_signal_emitv(const GValue *, guint, GQuark, GValue
*);
extern GType g_type_module_get_type(void);
extern GObject *g_value_dup_object(const GValue *);
extern void g_flags_complete_type_info(GType, GTypeInfo *,
                                       const GFlagsValue *);
extern  gulong  g_signal_connect_closure_by_id(gpointer,  guint,
GQuark,
                                               GClosure          *,
gboolean);
extern GType g_value_get_type(void);
extern  gulong  g_signal_connect_closure(gpointer,  const  gchar  *,
GClosure *,
                                         gboolean);
extern  gulong  g_signal_connect_object(gpointer,  const  gchar  *,
GCallback,
                                        gpointer, GConnectFlags);
extern void g_value_take_param(GValue *, GParamSpec *);
extern void g_value_set_ulong(GValue *, gulong);
extern    void    g_value_register_transform_func(GType,    GType,
GValueTransform);
```

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```
extern GType g_type_parent(GType);
extern void g_type_plugin_use(GTypePlugin *);
extern GType g_type_register_dynamic(GType, const gchar *,
GTypePlugin *,
                                     GTypeFlags);
extern GType g_pointer_type_register_static(const gchar *);
extern void g_closure_add_finalize_notifier(GClosure *, gpointer,
                                            GClosureNotify);
extern GFlagsValue *g_flags_get_value_by_name(GFlagsClass *,
                                              const gchar *);
extern void g_cclosure_marshal_VOID__PARAM(GClosure *, GValue *,
guint,
                                           const GValue *,
gpointer,
                                           gpointer);
extern gboolean g_signal_handler_is_connected(gpointer, gulong);
extern void g_closure_set_meta_marshal(GClosure *, gpointer,
                                       GClosureMarshal);
extern void g_value_set_uchar(GValue *, guchar);
extern GValueArray *g_value_array_prepend(GValueArray *, const
GValue *);
extern void g_source_set_closure(GSource *, GClosure *);
extern GParamSpec **g_param_spec_pool_list(GParamSpecPool *,
GType,
                                           guint *);
extern GQuark g_type_qname(GType);
extern gboolean g_type_module_use(GTypeModule *);
extern void g_type_add_interface_dynamic(GType, GType,
GTypePlugin *);
extern gpointer g_type_class_ref(GType);
extern void g_closure_remove_finalize_notifier(GClosure *,
gpointer,
                                               GClosureNotify);
extern gpointer g_object_connect(gpointer, const gchar *, ...);
extern void g_type_remove_class_cache_func(gpointer,
GTypeClassCacheFunc);
extern gpointer g_object_newv(GType, guint, GParameter *);
extern GValueArray *g_value_array_insert(GValueArray *, guint,
                                         const GValue *);
extern gboolean g_signal_has_handler_pending(gpointer, guint,
GQuark,
                                             gboolean);
extern guint g_signal_lookup(const gchar *, GType);
extern void g_type_free_instance(GTypeInstance *);
extern void g_closure_invoke(GClosure *, GValue *, guint, const
GValue *,
                             gpointer);
extern GType g_type_fundamental(GType);
extern GTypeValueTable *g_type_value_table_peek(GType);
extern GList *g_param_spec_pool_list_owned(GParamSpecPool *,
GType);
extern void g_value_set_enum(GValue *, gint);
extern gchar *g_value_dup_string(const GValue *);
extern void g_signal_handler_disconnect(gpointer, gulong);
extern GType g_param_type_register_static(const gchar *,
                                          const
GParamSpecTypeInfo *);
extern void g_object_remove_weak_pointer(GObject *, gpointer *);
extern glong g_value_get_long(const GValue *);
extern gboolean g_type_check_is_value_type(GType);
extern void g_value_set_double(GValue *, gdouble);
extern void g_value_set_static_string(GValue *, const gchar *);
extern const gchar *g_param_spec_get_nick(GParamSpec *);
extern GClosure *g_cclosure_new(GCallback, gpointer,
GClosureNotify);
extern guint g_value_get_uint(const GValue *);
```

```
extern GClosure *g_cclosure_new_swap(GCallback, gpointer,
GClosureNotify);
extern GValue *g_value_reset(GValue *);
extern void g_object_set_qdata(GObject *, GQuark, gpointer);
extern gpointer g_object_get_data(GObject *, const gchar *);
extern gpointer g_object_get_qdata(GObject *, GQuark);
extern void g_object_set_valist(GObject *, const gchar *,
va_list);
extern void g_object_freeze_notify(GObject *);
extern void g_value_set_pointer(GValue *, gpointer);
extern gpointer g_object_steal_data(GObject *, const gchar *);
extern void g_object_interface_install_property(gpointer,
GParamSpec *);
extern void g_object_watch_closure(GObject *, GClosure *);
extern void g_value_take_object(GValue *, gpointer);
extern GValueArray *g_value_array_new(guint);
extern GParamSpec *g_value_get_param(const GValue *);
extern void g_param_value_set_default(GParamSpec *, GValue *);
extern void g_closure_add_marshal_guards(GClosure *, gpointer,
                                         GClosureNotify,
gpointer,
                                         GClosureNotify);
extern gdouble g_value_get_double(const GValue *);
extern GValue *g_value_array_get_nth(GValueArray *, guint);
extern GTypePlugin *g_type_interface_get_plugin(GType, GType);
extern void g_object_weak_ref(GObject *, GWeakNotify, gpointer);
extern GType g_gstring_get_type(void);
extern void g_value_set_flags(GValue *, guint);
extern void g_object_get_property(GObject *, const gchar *,
GValue *);
extern GParamSpec *g_param_spec_unichar(const gchar *, const
gchar *,
                                        const gchar *, gunichar,
                                        GParamFlags);
extern void g_type_default_interface_unref(gpointer);
extern GParamSpec *g_param_spec_uchar(const gchar *, const gchar
*,
                                      const gchar *, guint8,
guint8,
                                      guint8, GParamFlags);
extern void g_object_set_qdata_full(GObject *, GQuark, gpointer,
                                    GDestroyNotify);
extern void g_type_set_qdata(GType, GQuark, gpointer);
extern void g_value_set_string(GValue *, const gchar *);
extern gpointer g_type_class_peek(GType);
extern void g_value_set_boxed(GValue *, gconstpointer);
extern void g_type_module_set_name(GTypeModule *, const gchar *);
extern GClosure *g_closure_ref(GClosure *);
extern guint g_signal_handlers_unblock_matched(gpointer,
GSignalMatchType,
                                               guint, GQuark,
GClosure *,
                                               gpointer,
gpointer);
extern GParamSpec *g_param_spec_value_array(const gchar *, const
gchar *,
                                            const gchar *,
GParamSpec *,
                                            GParamFlags);
extern GParamSpec *g_param_spec_enum(const gchar *, const gchar
*,
                                     const gchar *, GType, gint,
                                     GParamFlags);
extern void g_param_spec_set_qdata_full(GParamSpec *, GQuark,
gpointer,
                                        GDestroyNotify);
```

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```
extern GParamSpec *g_param_spec_ulong(const gchar *, const gchar
*,
                                      const   gchar   *,   gulong,
gulong,
                                      gulong, GParamFlags);
extern guint g_value_get_flags(const GValue *);
extern  void  g_type_module_add_interface(GTypeModule  *,  GType,
GType,
                                        const GInterfaceInfo *);
extern gboolean g_type_check_instance(GTypeInstance *);
extern  GValueArray  *g_value_array_append(GValueArray  *,  const
GValue *);
extern void g_type_add_interface_static(GType, GType,
                                        const GInterfaceInfo *);
extern gpointer g_param_spec_steal_qdata(GParamSpec *, GQuark);
extern gboolean g_type_check_class_is_a(GTypeClass *, GType);
extern const gchar *g_param_spec_get_blurb(GParamSpec *);
extern void g_value_set_uint(GValue *, guint);
extern GParamSpecPool *g_param_spec_pool_new(gboolean);
extern const gchar *g_signal_name(guint);
extern GParamSpec *g_param_spec_int64(const gchar *, const gchar
*,
                                      const   gchar   *,   gint64,
gint64,
                                      gint64, GParamFlags);
extern guint g_signal_newv(const gchar *, GType, GSignalFlags,
GClosure *,
                           GSignalAccumulator, gpointer,
                           GSignalCMarshaller,    GType,    guint,
GType *);
extern guint g_signal_new(const gchar *, GType, GSignalFlags,
guint,
                          GSignalAccumulator,            gpointer,
GSignalCMarshaller,
                          GType, guint, ...);
extern   GType   g_boxed_type_register_static(const   gchar   *,
GBoxedCopyFunc,
                                              GBoxedFreeFunc);
extern void g_value_array_free(GValueArray *);
extern void g_cclosure_marshal_VOID__ULONG(GClosure *, GValue *,
guint,
                                           const     GValue     *,
gpointer,
                                           gpointer);
extern void g_signal_remove_emission_hook(guint, gulong);
extern void g_enum_complete_type_info(GType, GTypeInfo *,
                                      const GEnumValue *);
extern gpointer g_value_get_object(const GValue *);
extern gpointer g_type_default_interface_peek(GType);
extern void g_signal_query(guint, GSignalQuery *);
extern   gboolean   g_type_check_instance_is_a(GTypeInstance   *,
GType);
```

12.5.2 glib-2.0/gobject/gvaluecollector.h

```
#define G_VALUE_LCOPY(value,var_args,flags,__error)      \
        G_STMT_START  {  const  GValue  *_value  =  (value);  guint
_flags = \
        (flags);  GType  _value_type  =  G_VALUE_TYPE  (_value);
GTypeValueTable \
        *_vtable  =  g_type_value_table_peek  (_value_type);  gchar
*_lcopy_format \
        = _vtable->lcopy_format; GTypeCValue \
        _cvalues[G_VALUE_COLLECT_FORMAT_MAX_LENGTH]  =  {  {  0,  },
}; guint \
```

```
        _n_values = 0; while (*_lcopy_format) { GTypeCValue
*_cvalue = \
        _cvalues + _n_values++; switch (*_lcopy_format++) { case
\
        G_VALUE_COLLECT_INT: _cvalue->v_int = va_arg ((var_args),
gint); \
        break; case G_VALUE_COLLECT_LONG: _cvalue->v_long =
va_arg \
        ((var_args), glong); break; case G_VALUE_COLLECT_INT64: \
        _cvalue->v_int64 = va_arg ((var_args), gint64); break;
case \
        G_VALUE_COLLECT_DOUBLE: _cvalue->v_double = va_arg
((var_args), \
        gdouble); break; case G_VALUE_COLLECT_POINTER: _cvalue-
>v_pointer = \
        va_arg ((var_args), gpointer); break; default:
g_assert_not_reached \
        (); } } *(__error) = _vtable->lcopy_value (_value,
_n_values, \
        _cvalues, _flags); } G_STMT_END
#define G_VALUE_COLLECT(value,var_args,flags,__error) \
        G_STMT_START { GValue *_value = (value); guint _flags =
(flags); \
        GType _value_type = G_VALUE_TYPE (_value);
GTypeValueTable *_vtable = \
        g_type_value_table_peek (_value_type); gchar
*_collect_format = \
        _vtable->collect_format; GTypeCValue \
        _cvalues[G_VALUE_COLLECT_FORMAT_MAX_LENGTH] = { { 0, },
}; guint \
        _n_values = 0; if (_vtable->value_free) _vtable-
>value_free (_value); \
        _value->g_type = _value_type; memset (_value->data, 0,
sizeof \
        (_value->data)); while (*_collect_format) { GTypeCValue
*_cvalue = \
        _cvalues + _n_values++; switch (*_collect_format++) {
case \
        G_VALUE_COLLECT_INT: _cvalue->v_int = va_arg ((var_args),
gint); \
        break; case G_VALUE_COLLECT_LONG: _cvalue->v_long =
va_arg \
        ((var_args), glong); break; case G_VALUE_COLLECT_INT64: \
        _cvalue->v_int64 = va_arg ((var_args), gint64); break;
case \
        G_VALUE_COLLECT_DOUBLE: _cvalue->v_double = va_arg
((var_args), \
        gdouble); break; case G_VALUE_COLLECT_POINTER: _cvalue-
>v_pointer = \
        va_arg ((var_args), gpointer); break; default:
g_assert_not_reached \
        (); } } *(__error) = _vtable->collect_value (_value,
_n_values, \
        _cvalues, _flags); } G_STMT_END
#define G_VALUE_COLLECT_FORMAT_MAX_LENGTH (8)

enum {
    G_VALUE_COLLECT_INT = 'i',
    G_VALUE_COLLECT_LONG = 'l',
    G_VALUE_COLLECT_INT64 = 'q',
    G_VALUE_COLLECT_DOUBLE = 'd',
    G_VALUE_COLLECT_POINTER = 'p'
};
```

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12.6 Interfaces for libgmodule-2.0

Table 12-7 defines the library name and shared object name for the libgmodule-2.0 library

Table 12-7 libgmodule-2.0 Definition

Library:	libgmodule-2.0
SONAME:	libgmodule-2.0.so.0

The behavior of the interfaces in this library is specified by the following specifications:

[Glib] Glib 2.6.2 Reference Manual

12.6.1 Glib-Dynamic loading of Modules

12.6.1.1 Interfaces for Glib-Dynamic loading of Modules

An LSB conforming implementation shall provide the generic functions for Glib-Dynamic loading of Modules specified in Table 12-8, with the full mandatory functionality as described in the referenced underlying specification.

Table 12-8 libgmodule-2.0 - Glib-Dynamic loading of Modules Function Interfaces

g_module_build_path [Glib]	g_module_close [Glib]
g_module_error [Glib]	g_module_make_resident [Glib]
g_module_name [Glib]	g_module_open [Glib]
g_module_supported [Glib]	g_module_symbol [Glib]

12.7 Data Definitions for libgmodule-2.0

This section defines global identifiers and their values that are associated with interfaces contained in libgmodule-2.0. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and application developers should use this ABI to supplement - not to replace - source interface definition specifications.

This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

12.7.1 glib-2.0/gmodule.h

```
#define G_MODULE_EXPORT
#define G_MODULE_IMPORT extern
```

```
typedef struct _GModule
 GModule;
typedef enum {
    G_MODULE_BIND_LAZY = 1,
    G_MODULE_BIND_LOCAL = 2,
    G_MODULE_BIND_MASK = 3
} GModuleFlags;
typedef void (*GModuleUnload) (GModule *);
typedef const gchar *(*GModuleCheckInit) (GModule *);
extern void g_module_make_resident(GModule *);
extern gchar *g_module_build_path(const gchar *, const gchar *);
extern gboolean g_module_close(GModule *);
extern GModule *g_module_open(const gchar *, GModuleFlags);
extern  gboolean  g_module_symbol(GModule  *,  const  gchar  *,
gpointer *);
extern const gchar *g_module_error(void);
extern const gchar *g_module_name(GModule *);
extern gboolean g_module_supported(void);
```

12.8 Interfaces for libatk-1.0

Table 12-9 defines the library name and shared object name for the libatk-1.0 library

Table 12-9 libatk-1.0 Definition

Library:	libatk-1.0
SONAME:	libatk-1.0.so.0

The behavior of the interfaces in this library is specified by the following specifications:

[ATK] ATK 1.9.0 Reference Manual

12.8.1 GTK Accessibility Toolkit

12.8.1.1 Interfaces for GTK Accessibility Toolkit

An LSB conforming implementation shall provide the generic functions for GTK Accessibility Toolkit specified in Table 12-10, with the full mandatory functionality as described in the referenced underlying specification.

Table 12-10 libatk-1.0 - GTK Accessibility Toolkit Function Interfaces

atk_action_do_action [ATK]	atk_action_get_description [ATK]
atk_action_get_keybinding [ATK]	atk_action_get_localized_name [ATK]
atk_action_get_n_actions [ATK]	atk_action_get_name [ATK]
atk_action_get_type [ATK]	atk_action_set_description [ATK]
atk_add_focus_tracker [ATK]	atk_add_global_event_listener [ATK]
atk_add_key_event_listener [ATK]	atk_attribute_set_free [ATK]
atk_component_add_focus_handler [ATK]	atk_component_contains [ATK]
atk_component_get_extents [ATK]	atk_component_get_layer [ATK]

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atk_component_get_mdi_zorder [ATK]	atk_component_get_position [ATK]
atk_component_get_size [ATK]	atk_component_get_type [ATK]
atk_component_grab_focus [ATK]	atk_component_ref_accessible_at_point [ATK]
atk_component_remove_focus_handler [ATK]	atk_component_set_extents [ATK]
atk_component_set_position [ATK]	atk_component_set_size [ATK]
atk_coord_type_get_type [ATK]	atk_document_get_document [ATK]
atk_document_get_document_type [ATK]	atk_document_get_type [ATK]
atk_editable_text_copy_text [ATK]	atk_editable_text_cut_text [ATK]
atk_editable_text_delete_text [ATK]	atk_editable_text_get_type [ATK]
atk_editable_text_insert_text [ATK]	atk_editable_text_paste_text [ATK]
atk_editable_text_set_run_attributes [ATK]	atk_editable_text_set_text_contents [ATK]
atk_focus_tracker_init [ATK]	atk_focus_tracker_notify [ATK]
atk_get_default_registry [ATK]	atk_get_focus_object [ATK]
atk_get_root [ATK]	atk_get_toolkit_name [ATK]
atk_get_toolkit_version [ATK]	atk_gobject_accessible_for_object [ATK]
atk_gobject_accessible_get_object [ATK]	atk_gobject_accessible_get_type [ATK]
atk_hyperlink_get_end_index [ATK]	atk_hyperlink_get_n_anchors [ATK]
atk_hyperlink_get_object [ATK]	atk_hyperlink_get_start_index [ATK]
atk_hyperlink_get_type [ATK]	atk_hyperlink_get_uri [ATK]
atk_hyperlink_is_inline [ATK]	atk_hyperlink_is_selected_link [ATK]
atk_hyperlink_is_valid [ATK]	atk_hyperlink_state_flags_get_type [ATK]
atk_hypertext_get_link [ATK]	atk_hypertext_get_link_index [ATK]
atk_hypertext_get_n_links [ATK]	atk_hypertext_get_type [ATK]
atk_image_get_image_description [ATK]	atk_image_get_image_position [ATK]
atk_image_get_image_size [ATK]	atk_image_get_type [ATK]
atk_image_set_image_description [ATK]	atk_implementor_get_type [ATK]
atk_implementor_ref_accessible [ATK]	atk_key_event_type_get_type [ATK]

atk_layer_get_type [ATK]	atk_no_op_object_factory_get_type [ATK]
atk_no_op_object_factory_new [ATK]	atk_no_op_object_get_type [ATK]
atk_no_op_object_new [ATK]	atk_object_add_relationship [ATK]
atk_object_connect_property_change_handler [ATK]	atk_object_factory_create_accessible [ATK]
atk_object_factory_get_accessible_type [ATK]	atk_object_factory_get_type [ATK]
atk_object_factory_invalidate [ATK]	atk_object_get_description [ATK]
atk_object_get_index_in_parent [ATK]	atk_object_get_n_accessible_children [ATK]
atk_object_get_name [ATK]	atk_object_get_parent [ATK]
atk_object_get_role [ATK]	atk_object_get_type [ATK]
atk_object_initialize [ATK]	atk_object_notify_state_change [ATK]
atk_object_ref_accessible_child [ATK]	atk_object_ref_relation_set [ATK]
atk_object_ref_state_set [ATK]	atk_object_remove_property_change_handler [ATK]
atk_object_remove_relationship [ATK]	atk_object_set_description [ATK]
atk_object_set_name [ATK]	atk_object_set_parent [ATK]
atk_object_set_role [ATK]	atk_rectangle_get_type [ATK]
atk_registry_get_factory [ATK]	atk_registry_get_factory_type [ATK]
atk_registry_get_type [ATK]	atk_registry_set_factory_type [ATK]
atk_relation_add_target [ATK]	atk_relation_get_relation_type [ATK]
atk_relation_get_target [ATK]	atk_relation_get_type [ATK]
atk_relation_new [ATK]	atk_relation_set_add [ATK]
atk_relation_set_add_relation_by_type [ATK]	atk_relation_set_contains [ATK]
atk_relation_set_get_n_relations [ATK]	atk_relation_set_get_relation [ATK]
atk_relation_set_get_relation_by_type [ATK]	atk_relation_set_get_type [ATK]
atk_relation_set_new [ATK]	atk_relation_set_remove [ATK]
atk_relation_type_for_name [ATK]	atk_relation_type_get_name [ATK]
atk_relation_type_get_type [ATK]	atk_relation_type_register [ATK]
atk_remove_focus_tracker [ATK]	atk_remove_global_event_listener

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	[ATK]
atk_remove_key_event_listener [ATK]	atk_role_for_name [ATK]
atk_role_get_localized_name [ATK]	atk_role_get_name [ATK]
atk_role_get_type [ATK]	atk_role_register [ATK]
atk_selection_add_selection [ATK]	atk_selection_clear_selection [ATK]
atk_selection_get_selection_count [ATK]	atk_selection_get_type [ATK]
atk_selection_is_child_selected [ATK]	atk_selection_ref_selection [ATK]
atk_selection_remove_selection [ATK]	atk_selection_select_all_selection [ATK]
atk_state_set_add_state [ATK]	atk_state_set_add_states [ATK]
atk_state_set_and_sets [ATK]	atk_state_set_clear_states [ATK]
atk_state_set_contains_state [ATK]	atk_state_set_contains_states [ATK]
atk_state_set_get_type [ATK]	atk_state_set_is_empty [ATK]
atk_state_set_new [ATK]	atk_state_set_or_sets [ATK]
atk_state_set_remove_state [ATK]	atk_state_set_xor_sets [ATK]
atk_state_type_for_name [ATK]	atk_state_type_get_name [ATK]
atk_state_type_get_type [ATK]	atk_state_type_register [ATK]
atk_streamable_content_get_mime_type [ATK]	atk_streamable_content_get_n_mime_types [ATK]
atk_streamable_content_get_stream [ATK]	atk_streamable_content_get_type [ATK]
atk_table_add_column_selection [ATK]	atk_table_add_row_selection [ATK]
atk_table_get_caption [ATK]	atk_table_get_column_at_index [ATK]
atk_table_get_column_description [ATK]	atk_table_get_column_extent_at [ATK]
atk_table_get_column_header [ATK]	atk_table_get_index_at [ATK]
atk_table_get_n_columns [ATK]	atk_table_get_n_rows [ATK]
atk_table_get_row_at_index [ATK]	atk_table_get_row_description [ATK]
atk_table_get_row_extent_at [ATK]	atk_table_get_row_header [ATK]
atk_table_get_selected_columns [ATK]	atk_table_get_selected_rows [ATK]
atk_table_get_summary [ATK]	atk_table_get_type [ATK]
atk_table_is_column_selected [ATK]	atk_table_is_row_selected [ATK]

atk_table_is_selected [ATK]	atk_table_ref_at [ATK]
atk_table_remove_column_selection [ATK]	atk_table_remove_row_selection [ATK]
atk_table_set_caption [ATK]	atk_table_set_column_description [ATK]
atk_table_set_column_header [ATK]	atk_table_set_row_description [ATK]
atk_table_set_row_header [ATK]	atk_table_set_summary [ATK]
atk_text_add_selection [ATK]	atk_text_attribute_for_name [ATK]
atk_text_attribute_get_name [ATK]	atk_text_attribute_get_type [ATK]
atk_text_attribute_get_value [ATK]	atk_text_attribute_register [ATK]
atk_text_boundary_get_type [ATK]	atk_text_clip_type_get_type [ATK]
atk_text_free_ranges [ATK]	atk_text_get_bounded_ranges [ATK]
atk_text_get_caret_offset [ATK]	atk_text_get_character_at_offset [ATK]
atk_text_get_character_count [ATK]	atk_text_get_character_extents [ATK]
atk_text_get_default_attributes [ATK]	atk_text_get_n_selections [ATK]
atk_text_get_offset_at_point [ATK]	atk_text_get_range_extents [ATK]
atk_text_get_run_attributes [ATK]	atk_text_get_selection [ATK]
atk_text_get_text [ATK]	atk_text_get_text_after_offset [ATK]
atk_text_get_text_at_offset [ATK]	atk_text_get_text_before_offset [ATK]
atk_text_get_type [ATK]	atk_text_remove_selection [ATK]
atk_text_set_caret_offset [ATK]	atk_text_set_selection [ATK]
atk_util_get_type [ATK]	atk_value_get_current_value [ATK]
atk_value_get_maximum_value [ATK]	atk_value_get_minimum_value [ATK]
atk_value_get_type [ATK]	atk_value_set_current_value [ATK]

12.9 Data Definitions for libatk-1.0

This section defines global identifiers and their values that are associated with interfaces contained in libatk-1.0. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and application developers should use this ABI to supplement - not to replace - source interface definition specifications.

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This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

12.9.1 atk-1.0/atk/atk-enum-types.h

```
#define ATK_TYPE_HYPERLINK_STATE_FLAGS   \
        (atk_hyperlink_state_flags_get_type())
#define ATK_TYPE_COORD_TYPE     (atk_coord_type_get_type())
#define ATK_TYPE_KEY_EVENT_TYPE (atk_key_event_type_get_type())
#define ATK_TYPE_LAYER  (atk_layer_get_type())
#define ATK_TYPE_RELATION_TYPE  (atk_relation_type_get_type())
#define ATK_TYPE_ROLE   (atk_role_get_type())
#define ATK_TYPE_STATE_TYPE     (atk_state_type_get_type())
#define ATK_TYPE_TEXT_ATTRIBUTE (atk_text_attribute_get_type())
#define ATK_TYPE_TEXT_BOUNDARY  (atk_text_boundary_get_type())
#define ATK_TYPE_TEXT_CLIP_TYPE (atk_text_clip_type_get_type())

extern GType atk_state_type_get_type(void);
extern GType atk_role_get_type(void);
extern GType atk_text_boundary_get_type(void);
extern GType atk_relation_type_get_type(void);
extern GType atk_layer_get_type(void);
extern GType atk_hyperlink_state_flags_get_type(void);
extern GType atk_text_clip_type_get_type(void);
extern GType atk_key_event_type_get_type(void);
extern GType atk_coord_type_get_type(void);
extern GType atk_text_attribute_get_type(void);
```

12.9.2 atk-1.0/atk/atk.h

```
#define _TYPEDEF_ATK_ACTION_
#define _TYPEDEF_ATK_COMPONENT_
#define _TYPEDEF_ATK_DOCUMENT_
#define _TYPEDEF_ATK_EDITABLE_TEXT_
#define _TYPEDEF_ATK_HYPERTEXT_
#define _TYPEDEF_ATK_IMAGE_
#define _TYPEDEF_ATK_SELECTION_
#define _TYPEDEF_ATK_STREAMABLE_CONTENT
#define _TYPEDEF_ATK_TABLE_
#define _TYPEDEF_ATK_TEXT_
#define _TYPEDEF_ATK_UTIL_
#define _TYPEDEF_ATK_VALUE__
#define ATK_TYPE_NO_OP_OBJECT_FACTORY    \
        (atk_no_op_object_factory_get_type ())
#define ATK_GOBJECT_ACCESSIBLE_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
ATK_TYPE_GOBJECT_ACCESSIBLE, \
        AtkGObjectAccessibleClass))
#define ATK_HYPERLINK_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST ((klass), ATK_TYPE_HYPERLINK, \
        AtkHyperlinkClass))
#define ATK_NO_OP_OBJECT_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST ((klass), ATK_TYPE_NO_OP_OBJECT,
\
        AtkNoOpObjectClass))
#define ATK_NO_OP_OBJECT_FACTORY_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
ATK_TYPE_NO_OP_OBJECT_FACTORY, \
        AtkNoOpObjectFactoryClass))
```

```
#define ATK_OBJECT_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST    ((klass),    ATK_TYPE_OBJECT,
AtkObjectClass))
#define ATK_OBJECT_FACTORY_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
ATK_TYPE_OBJECT_FACTORY, \
        AtkObjectFactoryClass))
#define ATK_REGISTRY_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_CAST ((klass), ATK_TYPE_REGISTRY, \
        AtkRegistryClass))
#define ATK_RELATION_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_CAST ((klass), ATK_TYPE_RELATION, \
        AtkRelationClass))
#define ATK_RELATION_SET_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST  ((klass),  ATK_TYPE_RELATION_SET,
\
        AtkRelationSetClass))
#define ATK_STATE_SET_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST ((klass), ATK_TYPE_STATE_SET, \
        AtkStateSetClass))
#define ATK_UTIL_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST     ((klass),     ATK_TYPE_UTIL,
AtkUtilClass))
#define ATK_IS_GOBJECT_ACCESSIBLE_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
ATK_TYPE_GOBJECT_ACCESSIBLE))
#define ATK_IS_HYPERLINK_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), ATK_TYPE_HYPERLINK))
#define ATK_IS_NO_OP_OBJECT_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
ATK_TYPE_NO_OP_OBJECT))
#define ATK_IS_NO_OP_OBJECT_FACTORY_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
ATK_TYPE_NO_OP_OBJECT_FACTORY))
#define ATK_IS_OBJECT_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), ATK_TYPE_OBJECT))
#define ATK_IS_OBJECT_FACTORY_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
ATK_TYPE_OBJECT_FACTORY))
#define ATK_IS_REGISTRY_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), ATK_TYPE_REGISTRY))
#define ATK_IS_RELATION_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), ATK_TYPE_RELATION))
#define ATK_IS_RELATION_SET_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
ATK_TYPE_RELATION_SET))
#define ATK_IS_STATE_SET_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), ATK_TYPE_STATE_SET))
#define ATK_IS_UTIL_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), ATK_TYPE_UTIL))
#define ATK_GOBJECT_ACCESSIBLE(obj)      \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
ATK_TYPE_GOBJECT_ACCESSIBLE, \
        AtkGObjectAccessible))
#define ATK_HYPERLINK(obj)       \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), ATK_TYPE_HYPERLINK, \
        AtkHyperlink))
#define ATK_NO_OP_OBJECT(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
ATK_TYPE_NO_OP_OBJECT, \
        AtkNoOpObject))
#define ATK_NO_OP_OBJECT_FACTORY(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
ATK_TYPE_NO_OP_OBJECT_FACTORY, \
        AtkNoOpObjectFactory))
#define ATK_OBJECT(obj)  \
```

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```
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    ATK_TYPE_OBJECT,
AtkObject))
#define ATK_OBJECT_FACTORY(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
ATK_TYPE_OBJECT_FACTORY, \
        AtkObjectFactory))
#define ATK_REGISTRY(obj)        \
        (G_TYPE_CHECK_INSTANCE_CAST   ((obj),   ATK_TYPE_REGISTRY,
AtkRegistry))
#define ATK_RELATION(obj)        \
        (G_TYPE_CHECK_INSTANCE_CAST   ((obj),   ATK_TYPE_RELATION,
AtkRelation))
#define ATK_RELATION_SET(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
ATK_TYPE_RELATION_SET, \
        AtkRelationSet))
#define ATK_STATE_SET(obj)       \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  ATK_TYPE_STATE_SET,
AtkStateSet))
#define ATK_IS_GOBJECT_ACCESSIBLE(obj)   \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
ATK_TYPE_GOBJECT_ACCESSIBLE))
#define ATK_IS_HYPERLINK(obj)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), ATK_TYPE_HYPERLINK))
#define ATK_IS_NO_OP_OBJECT(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
ATK_TYPE_NO_OP_OBJECT))
#define ATK_IS_NO_OP_OBJECT_FACTORY(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
ATK_TYPE_NO_OP_OBJECT_FACTORY))
#define ATK_IS_OBJECT(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), ATK_TYPE_OBJECT))
#define ATK_IS_OBJECT_FACTORY(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
ATK_TYPE_OBJECT_FACTORY))
#define ATK_IS_REGISTRY(obj)     \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), ATK_TYPE_REGISTRY))
#define ATK_IS_RELATION(obj)     \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), ATK_TYPE_RELATION))
#define ATK_IS_RELATION_SET(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
ATK_TYPE_RELATION_SET))
#define ATK_IS_STATE_SET(obj)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), ATK_TYPE_STATE_SET))
#define ATK_NO_OP_OBJECT_FACTORY_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS            (            (obj),
ATK_TYPE_NO_OP_OBJECT_FACTORY, \
        AtkNoOpObjectFactoryClass))
#define ATK_GOBJECT_ACCESSIBLE_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS                         ((obj),
ATK_TYPE_GOBJECT_ACCESSIBLE, \
        AtkGObjectAccessibleClass))
#define ATK_HYPERLINK_GET_CLASS(obj)     \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), ATK_TYPE_HYPERLINK, \
        AtkHyperlinkClass))
#define ATK_NO_OP_OBJECT_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), ATK_TYPE_NO_OP_OBJECT,
\
        AtkNoOpObjectClass))
#define ATK_OBJECT_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS    ((obj),    ATK_TYPE_OBJECT,
AtkObjectClass))
#define ATK_OBJECT_FACTORY_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS                         ((obj),
ATK_TYPE_OBJECT_FACTORY, \
        AtkObjectFactoryClass))
```

```
#define ATK_REGISTRY_GET_CLASS(obj)      \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), ATK_TYPE_REGISTRY, \
        AtkRegistryClass))
#define ATK_RELATION_GET_CLASS(obj)      \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), ATK_TYPE_RELATION, \
        AtkRelationClass))
#define ATK_RELATION_SET_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), ATK_TYPE_RELATION_SET,
\
        AtkRelationSetClass))
#define ATK_STATE_SET_GET_CLASS(obj)     \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), ATK_TYPE_STATE_SET, \
        AtkStateSetClass))
#define ATK_UTIL_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     ATK_TYPE_UTIL,
AtkUtilClass))
#define ATK_ACTION_GET_IFACE(obj)        \
        (G_TYPE_INSTANCE_GET_INTERFACE ((obj), ATK_TYPE_ACTION, \
        AtkActionIface))
#define ATK_COMPONENT_GET_IFACE(obj)     \
        (G_TYPE_INSTANCE_GET_INTERFACE                    ((obj),
ATK_TYPE_COMPONENT, \
        AtkComponentIface))
#define ATK_DOCUMENT_GET_IFACE(obj)      \
        (G_TYPE_INSTANCE_GET_INTERFACE ((obj), ATK_TYPE_DOCUMENT,
\
        AtkDocumentIface))
#define ATK_EDITABLE_TEXT_GET_IFACE(obj)         \
        (G_TYPE_INSTANCE_GET_INTERFACE                    ((obj),
ATK_TYPE_EDITABLE_TEXT, \
        AtkEditableTextIface))
#define ATK_HYPERTEXT_GET_IFACE(obj)     \
        (G_TYPE_INSTANCE_GET_INTERFACE                    ((obj),
ATK_TYPE_HYPERTEXT, \
        AtkHypertextIface))
#define ATK_IMAGE_GET_IFACE(obj)         \
        (G_TYPE_INSTANCE_GET_INTERFACE ((obj), ATK_TYPE_IMAGE, \
        AtkImageIface))
#define ATK_IMPLEMENTOR_GET_IFACE(obj)   \
        (G_TYPE_INSTANCE_GET_INTERFACE                    ((obj),
ATK_TYPE_IMPLEMENTOR, \
        AtkImplementorIface))
#define ATK_SELECTION_GET_IFACE(obj)     \
        (G_TYPE_INSTANCE_GET_INTERFACE                    ((obj),
ATK_TYPE_SELECTION, \
        AtkSelectionIface))
#define ATK_STREAMABLE_CONTENT_GET_IFACE(obj)    \
        (G_TYPE_INSTANCE_GET_INTERFACE                    ((obj),
ATK_TYPE_STREAMABLE_CONTENT, \
        AtkStreamableContentIface))
#define ATK_TABLE_GET_IFACE(obj)         \
        (G_TYPE_INSTANCE_GET_INTERFACE ((obj), ATK_TYPE_TABLE, \
        AtkTableIface))
#define ATK_TEXT_GET_IFACE(obj)  \
        (G_TYPE_INSTANCE_GET_INTERFACE   ((obj),   ATK_TYPE_TEXT,
AtkTextIface))
#define ATK_VALUE_GET_IFACE(obj)         \
        (G_TYPE_INSTANCE_GET_INTERFACE ((obj), ATK_TYPE_VALUE, \
        AtkValueIface))
#define ATK_ACTION(obj)  \
        G_TYPE_CHECK_INSTANCE_CAST    ((obj),    ATK_TYPE_ACTION,
AtkAction)
#define ATK_COMPONENT(obj)       \
        G_TYPE_CHECK_INSTANCE_CAST   ((obj),   ATK_TYPE_COMPONENT,
AtkComponent)
#define ATK_DOCUMENT(obj)        \
```

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```
        G_TYPE_CHECK_INSTANCE_CAST   ((obj),   ATK_TYPE_DOCUMENT,
AtkDocument)
#define ATK_EDITABLE_TEXT(obj)   \
        G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
ATK_TYPE_EDITABLE_TEXT, \
        AtkEditableText)
#define ATK_HYPERTEXT(obj)       \
        G_TYPE_CHECK_INSTANCE_CAST   ((obj),   ATK_TYPE_HYPERTEXT,
AtkHypertext)
#define ATK_IMAGE(obj)   \
        G_TYPE_CHECK_INSTANCE_CAST    ((obj),    ATK_TYPE_IMAGE,
AtkImage)
#define ATK_IMPLEMENTOR(obj)     \
        G_TYPE_CHECK_INSTANCE_CAST  ((obj),  ATK_TYPE_IMPLEMENTOR,
\
        AtkImplementor)
#define ATK_SELECTION(obj)       \
        G_TYPE_CHECK_INSTANCE_CAST   ((obj),   ATK_TYPE_SELECTION,
AtkSelection)
#define ATK_STREAMABLE_CONTENT(obj)      \
        G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
ATK_TYPE_STREAMABLE_CONTENT, \
        AtkStreamableContent)
#define ATK_TABLE(obj)   \
        G_TYPE_CHECK_INSTANCE_CAST    ((obj),    ATK_TYPE_TABLE,
AtkTable)
#define ATK_TEXT(obj)    \
        G_TYPE_CHECK_INSTANCE_CAST     ((obj),     ATK_TYPE_TEXT,
AtkText)
#define ATK_UTIL(obj)    \
        G_TYPE_CHECK_INSTANCE_CAST     ((obj),     ATK_TYPE_UTIL,
AtkUtil)
#define ATK_VALUE(obj)   \
        G_TYPE_CHECK_INSTANCE_CAST    ((obj),    ATK_TYPE_VALUE,
AtkValue)
#define ATK_IS_ACTION(obj)       \
        G_TYPE_CHECK_INSTANCE_TYPE ((obj), ATK_TYPE_ACTION)
#define ATK_IS_COMPONENT(obj)    \
        G_TYPE_CHECK_INSTANCE_TYPE ((obj), ATK_TYPE_COMPONENT)
#define ATK_IS_DOCUMENT(obj)     \
        G_TYPE_CHECK_INSTANCE_TYPE ((obj), ATK_TYPE_DOCUMENT)
#define ATK_IS_EDITABLE_TEXT(obj)        \
        G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
ATK_TYPE_EDITABLE_TEXT)
#define ATK_IS_HYPERTEXT(obj)    \
        G_TYPE_CHECK_INSTANCE_TYPE ((obj), ATK_TYPE_HYPERTEXT)
#define ATK_IS_IMAGE(obj)        \
        G_TYPE_CHECK_INSTANCE_TYPE ((obj), ATK_TYPE_IMAGE)
#define ATK_IS_IMPLEMENTOR(obj)  \
        G_TYPE_CHECK_INSTANCE_TYPE ((obj), ATK_TYPE_IMPLEMENTOR)
#define ATK_IS_SELECTION(obj)    \
        G_TYPE_CHECK_INSTANCE_TYPE ((obj), ATK_TYPE_SELECTION)
#define ATK_IS_STREAMABLE_CONTENT(obj)   \
        G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
ATK_TYPE_STREAMABLE_CONTENT)
#define ATK_IS_TABLE(obj)        \
        G_TYPE_CHECK_INSTANCE_TYPE ((obj), ATK_TYPE_TABLE)
#define ATK_IS_VALUE(obj)        \
        G_TYPE_CHECK_INSTANCE_TYPE ((obj), ATK_TYPE_VALUE)
#define ATK_TYPE_ACTION (atk_action_get_type ())
#define ATK_TYPE_COMPONENT      (atk_component_get_type ())
#define ATK_TYPE_DOCUMENT       (atk_document_get_type ())
#define ATK_TYPE_EDITABLE_TEXT  (atk_editable_text_get_type ())
#define                                ATK_TYPE_GOBJECT_ACCESSIBLE
(atk_gobject_accessible_get_type ())
#define ATK_TYPE_HYPERLINK      (atk_hyperlink_get_type ())
```

```
#define ATK_TYPE_HYPERTEXT      (atk_hypertext_get_type ())
#define ATK_TYPE_IMAGE  (atk_image_get_type ())
#define ATK_TYPE_IMPLEMENTOR    (atk_implementor_get_type ())
#define ATK_TYPE_NO_OP_OBJECT   (atk_no_op_object_get_type ())
#define ATK_TYPE_OBJECT_FACTORY (atk_object_factory_get_type ())
#define ATK_TYPE_OBJECT (atk_object_get_type ())
#define ATK_TYPE_RECTANGLE      (atk_rectangle_get_type ())
#define ATK_TYPE_REGISTRY       (atk_registry_get_type ())
#define ATK_TYPE_RELATION       (atk_relation_get_type ())
#define ATK_TYPE_RELATION_SET   (atk_relation_set_get_type ())
#define ATK_TYPE_SELECTION      (atk_selection_get_type ())
#define ATK_TYPE_STATE_SET      (atk_state_set_get_type ())
#define                                ATK_TYPE_STREAMABLE_CONTENT
(atk_streamable_content_get_type ())
#define ATK_TYPE_TABLE  (atk_table_get_type ())
#define ATK_TYPE_TEXT   (atk_text_get_type ())
#define ATK_TYPE_UTIL   (atk_util_get_type ())
#define ATK_TYPE_VALUE  (atk_value_get_type ())
#define  ATK_IS_TEXT(obj)               G_TYPE_CHECK_INSTANCE_TYPE
((obj), ATK_TYPE_TEXT)
#define  ATK_IS_UTIL(obj)               G_TYPE_CHECK_INSTANCE_TYPE
((obj), ATK_TYPE_UTIL)

typedef struct _AtkText
 AtkText;
typedef struct _AtkObject {
    GObject parent;
    gchar *description;
    gchar *name;
    AtkObject *accessible_parent;
    AtkRole role;
    AtkRelationSet *relation_set;
    AtkLayer layer;
} AtkObject;
typedef enum {
    ATK_ROLE_INVALID = 0,
    ATK_ROLE_ACCEL_LABEL = 1,
    ATK_ROLE_ALERT = 2,
    ATK_ROLE_ANIMATION = 3,
    ATK_ROLE_ARROW = 4,
    ATK_ROLE_CALENDAR = 5,
    ATK_ROLE_CANVAS = 6,
    ATK_ROLE_CHECK_BOX = 7,
    ATK_ROLE_CHECK_MENU_ITEM = 8,
    ATK_ROLE_COLOR_CHOOSER = 9,
    ATK_ROLE_COLUMN_HEADER = 10,
    ATK_ROLE_COMBO_BOX = 11,
    ATK_ROLE_DATE_EDITOR = 12,
    ATK_ROLE_DESKTOP_ICON = 13,
    ATK_ROLE_DESKTOP_FRAME = 14,
    ATK_ROLE_DIAL = 15,
    ATK_ROLE_DIALOG = 16,
    ATK_ROLE_DIRECTORY_PANE = 17,
    ATK_ROLE_DRAWING_AREA = 18,
    ATK_ROLE_FILE_CHOOSER = 19,
    ATK_ROLE_FILLER = 20,
    ATK_ROLE_FONT_CHOOSER = 21,
    ATK_ROLE_FRAME = 22,
    ATK_ROLE_GLASS_PANE = 23,
    ATK_ROLE_HTML_CONTAINER = 24,
    ATK_ROLE_ICON = 25,
    ATK_ROLE_IMAGE = 26,
    ATK_ROLE_INTERNAL_FRAME = 27,
    ATK_ROLE_LABEL = 28,
    ATK_ROLE_LAYERED_PANE = 29,
    ATK_ROLE_LIST = 30,
```

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```
    ATK_ROLE_LIST_ITEM = 31,
    ATK_ROLE_MENU = 32,
    ATK_ROLE_MENU_BAR = 33,
    ATK_ROLE_MENU_ITEM = 34,
    ATK_ROLE_OPTION_PANE = 35,
    ATK_ROLE_PAGE_TAB = 36,
    ATK_ROLE_PAGE_TAB_LIST = 37,
    ATK_ROLE_PANEL = 38,
    ATK_ROLE_PASSWORD_TEXT = 39,
    ATK_ROLE_POPUP_MENU = 40,
    ATK_ROLE_PROGRESS_BAR = 41,
    ATK_ROLE_PUSH_BUTTON = 42,
    ATK_ROLE_RADIO_BUTTON = 43,
    ATK_ROLE_RADIO_MENU_ITEM = 44,
    ATK_ROLE_ROOT_PANE = 45,
    ATK_ROLE_ROW_HEADER = 46,
    ATK_ROLE_SCROLL_BAR = 47,
    ATK_ROLE_SCROLL_PANE = 48,
    ATK_ROLE_SEPARATOR = 49,
    ATK_ROLE_SLIDER = 50,
    ATK_ROLE_SPLIT_PANE = 51,
    ATK_ROLE_SPIN_BUTTON = 52,
    ATK_ROLE_STATUSBAR = 53,
    ATK_ROLE_TABLE = 54,
    ATK_ROLE_TABLE_CELL = 55,
    ATK_ROLE_TABLE_COLUMN_HEADER = 56,
    ATK_ROLE_TABLE_ROW_HEADER = 57,
    ATK_ROLE_TEAR_OFF_MENU_ITEM = 58,
    ATK_ROLE_TERMINAL = 59,
    ATK_ROLE_TEXT = 60,
    ATK_ROLE_TOGGLE_BUTTON = 61,
    ATK_ROLE_TOOL_BAR = 62,
    ATK_ROLE_TOOL_TIP = 63,
    ATK_ROLE_TREE = 64,
    ATK_ROLE_TREE_TABLE = 65,
    ATK_ROLE_UNKNOWN = 66,
    ATK_ROLE_VIEWPORT = 67,
    ATK_ROLE_WINDOW = 68,
    ATK_ROLE_HEADER = 69,
    ATK_ROLE_FOOTER = 70,
    ATK_ROLE_PARAGRAPH = 71,
    ATK_ROLE_RULER = 72,
    ATK_ROLE_APPLICATION = 73,
    ATK_ROLE_AUTOCOMPLETE = 74,
    ATK_ROLE_EDITBAR = 75,
    ATK_ROLE_EMBEDDED = 76,
    ATK_ROLE_LAST_DEFINED = 77
} AtkRole;
typedef struct _AtkRelationSet {
    GObject parent;
    GPtrArray *relations;
} AtkRelationSet;
typedef enum {
    ATK_LAYER_INVALID = 0,
    ATK_LAYER_BACKGROUND = 1,
    ATK_LAYER_CANVAS = 2,
    ATK_LAYER_WIDGET = 3,
    ATK_LAYER_MDI = 4,
    ATK_LAYER_POPUP = 5,
    ATK_LAYER_OVERLAY = 6,
    ATK_LAYER_WINDOW = 7
} AtkLayer;
typedef struct _AtkPropertyValues {
    const gchar *property_name;
    GValue old_value;
    GValue new_value;
```

```
} AtkPropertyValues;
typedef void (*AtkPropertyChangeHandler) (AtkObject *,
                                          AtkPropertyValues *);
typedef struct _AtkImage
 AtkImage;
typedef enum {
    ATK_XY_SCREEN = 0,
    ATK_XY_WINDOW = 1
} AtkCoordType;
typedef enum {
    ATK_RELATION_NULL = 0,
    ATK_RELATION_CONTROLLED_BY = 1,
    ATK_RELATION_CONTROLLER_FOR = 2,
    ATK_RELATION_LABEL_FOR = 3,
    ATK_RELATION_LABELLED_BY = 4,
    ATK_RELATION_MEMBER_OF = 5,
    ATK_RELATION_NODE_CHILD_OF = 6,
    ATK_RELATION_FLOWS_TO = 7,
    ATK_RELATION_FLOWS_FROM = 8,
    ATK_RELATION_SUBWINDOW_OF = 9,
    ATK_RELATION_EMBEDS = 10,
    ATK_RELATION_EMBEDDED_BY = 11,
    ATK_RELATION_POPUP_FOR = 12,
    ATK_RELATION_PARENT_WINDOW_OF = 13,
    ATK_RELATION_LAST_DEFINED = 14
} AtkRelationType;
typedef struct _AtkRelation {
    GObject parent;
    GPtrArray *target;
    AtkRelationType relationship;
} AtkRelation;
typedef struct _AtkDocument
 AtkDocument;
typedef struct _AtkTable
 AtkTable;
typedef struct _AtkHyperlink {
    GObject parent;
} AtkHyperlink;
typedef struct _AtkStateSet {
    GObject parent;
} AtkStateSet;
typedef struct _AtkObjectFactory {
    GObject parent;
} AtkObjectFactory;
typedef struct _AtkRegistry {
    GObject parent;
    GHashTable *factory_type_registry;
    GHashTable *factory_singleton_cache;
} AtkRegistry;
typedef struct _AtkEditableText
 AtkEditableText;
typedef GSList AtkAttributeSet;
typedef struct _AtkHypertext
 AtkHypertext;
typedef struct _AtkSelection
 AtkSelection;
typedef struct _AtkAction
 AtkAction;
typedef struct _AtkComponent
 AtkComponent;
typedef struct _AtkValue
 AtkValue;
typedef struct _AtkStreamableContent
 AtkStreamableContent;
typedef void (*AtkEventListenerInit) (void);
typedef enum {
```

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```
    ATK_TEXT_ATTR_INVALID = 0,
    ATK_TEXT_ATTR_LEFT_MARGIN = 1,
    ATK_TEXT_ATTR_RIGHT_MARGIN = 2,
    ATK_TEXT_ATTR_INDENT = 3,
    ATK_TEXT_ATTR_INVISIBLE = 4,
    ATK_TEXT_ATTR_EDITABLE = 5,
    ATK_TEXT_ATTR_PIXELS_ABOVE_LINES = 6,
    ATK_TEXT_ATTR_PIXELS_BELOW_LINES = 7,
    ATK_TEXT_ATTR_PIXELS_INSIDE_WRAP = 8,
    ATK_TEXT_ATTR_BG_FULL_HEIGHT = 9,
    ATK_TEXT_ATTR_RISE = 10,
    ATK_TEXT_ATTR_UNDERLINE = 11,
    ATK_TEXT_ATTR_STRIKETHROUGH = 12,
    ATK_TEXT_ATTR_SIZE = 13,
    ATK_TEXT_ATTR_SCALE = 14,
    ATK_TEXT_ATTR_WEIGHT = 15,
    ATK_TEXT_ATTR_LANGUAGE = 16,
    ATK_TEXT_ATTR_FAMILY_NAME = 17,
    ATK_TEXT_ATTR_BG_COLOR = 18,
    ATK_TEXT_ATTR_FG_COLOR = 19,
    ATK_TEXT_ATTR_BG_STIPPLE = 20,
    ATK_TEXT_ATTR_FG_STIPPLE = 21,
    ATK_TEXT_ATTR_WRAP_MODE = 22,
    ATK_TEXT_ATTR_DIRECTION = 23,
    ATK_TEXT_ATTR_JUSTIFICATION = 24,
    ATK_TEXT_ATTR_STRETCH = 25,
    ATK_TEXT_ATTR_VARIANT = 26,
    ATK_TEXT_ATTR_STYLE = 27,
    ATK_TEXT_ATTR_LAST_DEFINED = 28
} AtkTextAttribute;
typedef enum {
    ATK_TEXT_BOUNDARY_CHAR = 0,
    ATK_TEXT_BOUNDARY_WORD_START = 1,
    ATK_TEXT_BOUNDARY_WORD_END = 2,
    ATK_TEXT_BOUNDARY_SENTENCE_START = 3,
    ATK_TEXT_BOUNDARY_SENTENCE_END = 4,
    ATK_TEXT_BOUNDARY_LINE_START = 5,
    ATK_TEXT_BOUNDARY_LINE_END = 6
} AtkTextBoundary;
typedef enum {
    ATK_STATE_INVALID = 0,
    ATK_STATE_ACTIVE = 1,
    ATK_STATE_ARMED = 2,
    ATK_STATE_BUSY = 3,
    ATK_STATE_CHECKED = 4,
    ATK_STATE_DEFUNCT = 5,
    ATK_STATE_EDITABLE = 6,
    ATK_STATE_ENABLED = 7,
    ATK_STATE_EXPANDABLE = 8,
    ATK_STATE_EXPANDED = 9,
    ATK_STATE_FOCUSABLE = 10,
    ATK_STATE_FOCUSED = 11,
    ATK_STATE_HORIZONTAL = 12,
    ATK_STATE_ICONIFIED = 13,
    ATK_STATE_MODAL = 14,
    ATK_STATE_MULTI_LINE = 15,
    ATK_STATE_MULTISELECTABLE = 16,
    ATK_STATE_OPAQUE = 17,
    ATK_STATE_PRESSED = 18,
    ATK_STATE_RESIZABLE = 19,
    ATK_STATE_SELECTABLE = 20,
    ATK_STATE_SELECTED = 21,
    ATK_STATE_SENSITIVE = 22,
    ATK_STATE_SHOWING = 23,
    ATK_STATE_SINGLE_LINE = 24,
    ATK_STATE_STALE = 25,
```

```
    ATK_STATE_TRANSIENT = 26,
    ATK_STATE_VERTICAL = 27,
    ATK_STATE_VISIBLE = 28,
    ATK_STATE_MANAGES_DESCENDANTS = 29,
    ATK_STATE_INDETERMINATE = 30,
    ATK_STATE_TRUNCATED = 31,
    ATK_STATE_LAST_DEFINED = 32
} AtkStateType;
typedef struct _AtkGObjectAccessible {
    AtkObject parent;
} AtkGObjectAccessible;
typedef guint64 AtkState;
typedef void (*AtkFocusHandler) (AtkObject *, gboolean);
typedef struct _AtkKeyEventStruct {
    gint type;
    guint state;
    guint keyval;
    gint length;
    gchar *string;
    guint16 keycode;
    guint32 timestamp;
} AtkKeyEventStruct;
typedef gint(*AtkKeySnoopFunc) (AtkKeyEventStruct *, gpointer);
typedef struct _AtkTextRectangle {
    gint x;
    gint y;
    gint width;
    gint height;
} AtkTextRectangle;
typedef struct _AtkTextRange {
    AtkTextRectangle bounds;
    gint start_offset;
    gint end_offset;
    gchar *content;
} AtkTextRange;
typedef enum {
    ATK_TEXT_CLIP_NONE = 0,
    ATK_TEXT_CLIP_MIN = 1,
    ATK_TEXT_CLIP_MAX = 2,
    ATK_TEXT_CLIP_BOTH = 3
} AtkTextClipType;
typedef struct _AtkImplementor AtkImplementor;
typedef void (*AtkEventListener) (AtkObject *);
typedef gboolean(*AtkFunction) (gpointer);
typedef struct _AtkImplementorIface {
    GTypeInterface parent;
    AtkObject *(*ref_accessible) (AtkImplementor *);
} AtkImplementorIface;
typedef struct _AtkRegistryClass {
    GObjectClass parent_class;
} AtkRegistryClass;
typedef struct _AtkHypertextIface {
    GTypeInterface parent;
    AtkHyperlink *(*get_link) (AtkHypertext *, gint);
     gint(*get_n_links) (AtkHypertext *);
     gint(*get_link_index) (AtkHypertext *, gint);
    void (*link_selected) (AtkHypertext *, gint);
    AtkFunction pad1;
    AtkFunction pad2;
    AtkFunction pad3;
} AtkHypertextIface;
typedef struct _AtkStreamableContentIface {
    GTypeInterface parent;
     gint(*get_n_mime_types) (AtkStreamableContent *);
    const gchar *(*get_mime_type) (AtkStreamableContent *, gint);
```

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```
    GIOChannel  *(*get_stream)  (AtkStreamableContent  *,  const
gchar *);
    AtkFunction pad1;
    AtkFunction pad2;
    AtkFunction pad3;
    AtkFunction pad4;
} AtkStreamableContentIface;
typedef struct _AtkRectangle {
    gint x;
    gint y;
    gint width;
    gint height;
} AtkRectangle;
typedef struct _AtkStateSetClass {
    GObjectClass parent;
} AtkStateSetClass;
typedef struct _AtkAttribute {
    gchar *name;
    gchar *value;
} AtkAttribute;
typedef struct _AtkObjectClass {
    GObjectClass parent;
    const gchar *(*get_name) (AtkObject *);
    const gchar *(*get_description) (AtkObject *);
    AtkObject *(*get_parent) (AtkObject *);
     gint(*get_n_children) (AtkObject *);
    AtkObject *(*ref_child) (AtkObject *, gint);
     gint(*get_index_in_parent) (AtkObject *);
    AtkRelationSet *(*ref_relation_set) (AtkObject *);
     AtkRole(*get_role) (AtkObject *);
     AtkLayer(*get_layer) (AtkObject *);
     gint(*get_mdi_zorder) (AtkObject *);
    AtkStateSet *(*ref_state_set) (AtkObject *);
    void (*set_name) (AtkObject *, const gchar *);
    void (*set_description) (AtkObject *, const gchar *);
    void (*set_parent) (AtkObject *, AtkObject *);
    void (*set_role) (AtkObject *, AtkRole);
     guint(*connect_property_change_handler) (AtkObject *,

AtkPropertyChangeHandler *);
    void (*remove_property_change_handler) (AtkObject *, guint);
    void (*initialize) (AtkObject *, gpointer);
    void (*children_changed) (AtkObject *, guint, gpointer);
    void (*focus_event) (AtkObject *, gboolean);
    void (*property_change) (AtkObject *, AtkPropertyValues *);
    void (*state_change) (AtkObject *, const gchar *, gboolean);
    void (*visible_data_changed) (AtkObject *);
    void (*active_descendant_changed) (AtkObject *, gpointer *);
    AtkFunction pad1;
    AtkFunction pad2;
    AtkFunction pad3;
} AtkObjectClass;
typedef struct _AtkGObjectAccessibleClass {
    AtkObjectClass parent_class;
    AtkFunction pad1;
    AtkFunction pad2;
} AtkGObjectAccessibleClass;
typedef struct _AtkObjectFactoryClass {
    GObjectClass parent_class;
    AtkObject *(*create_accessible) (GObject *);
    void (*invalidate) (AtkObjectFactory *);
     GType(*get_accessible_type) (void);
    AtkFunction pad1;
    AtkFunction pad2;
} AtkObjectFactoryClass;
typedef struct _AtkNoOpObjectFactoryClass {
```

```
    AtkObjectFactoryClass parent_class;
} AtkNoOpObjectFactoryClass;
typedef struct _AtkActionIface {
    GTypeInterface parent;
     gboolean(*do_action) (AtkAction *, gint);
     gint(*get_n_actions) (AtkAction *);
    const gchar *(*get_description) (AtkAction *, gint);
    const gchar *(*get_name) (AtkAction *, gint);
    const gchar *(*get_keybinding) (AtkAction *, gint);
     gboolean(*set_description) (AtkAction *, gint, const gchar
*);
    const gchar *(*get_localized_name) (AtkAction *, gint);
    AtkFunction pad2;
} AtkActionIface;
typedef struct _AtkTableIface {
    GTypeInterface parent;
    AtkObject *(*ref_at) (AtkTable *, gint, gint);
     gint(*get_index_at) (AtkTable *, gint, gint);
     gint(*get_column_at_index) (AtkTable *, gint);
     gint(*get_row_at_index) (AtkTable *, gint);
     gint(*get_n_columns) (AtkTable *);
     gint(*get_n_rows) (AtkTable *);
     gint(*get_column_extent_at) (AtkTable *, gint, gint);
     gint(*get_row_extent_at) (AtkTable *, gint, gint);
    AtkObject *(*get_caption) (AtkTable *);
    const gchar *(*get_column_description) (AtkTable *, gint);
    AtkObject *(*get_column_header) (AtkTable *, gint);
    const gchar *(*get_row_description) (AtkTable *, gint);
    AtkObject *(*get_row_header) (AtkTable *, gint);
    AtkObject *(*get_summary) (AtkTable *);
    void (*set_caption) (AtkTable *, AtkObject *);
    void (*set_column_description) (AtkTable *, gint, const gchar
*);
    void (*set_column_header) (AtkTable *, gint, AtkObject *);
    void (*set_row_description) (AtkTable *, gint, const gchar
*);
    void (*set_row_header) (AtkTable *, gint, AtkObject *);
    void (*set_summary) (AtkTable *, AtkObject *);
     gint(*get_selected_columns) (AtkTable *, gint * *);
     gint(*get_selected_rows) (AtkTable *, gint * *);
     gboolean(*is_column_selected) (AtkTable *, gint);
     gboolean(*is_row_selected) (AtkTable *, gint);
     gboolean(*is_selected) (AtkTable *, gint, gint);
     gboolean(*add_row_selection) (AtkTable *, gint);
     gboolean(*remove_row_selection) (AtkTable *, gint);
     gboolean(*add_column_selection) (AtkTable *, gint);
     gboolean(*remove_column_selection) (AtkTable *, gint);
    void (*row_inserted) (AtkTable *, gint, gint);
    void (*column_inserted) (AtkTable *, gint, gint);
    void (*row_deleted) (AtkTable *, gint, gint);
    void (*column_deleted) (AtkTable *, gint, gint);
    void (*row_reordered) (AtkTable *);
    void (*column_reordered) (AtkTable *);
    void (*model_changed) (AtkTable *);
    AtkFunction pad1;
    AtkFunction pad2;
    AtkFunction pad3;
    AtkFunction pad4;
} AtkTableIface;
typedef struct _AtkValueIface {
    GTypeInterface parent;
    void (*get_current_value) (AtkValue *, GValue *);
    void (*get_maximum_value) (AtkValue *, GValue *);
    void (*get_minimum_value) (AtkValue *, GValue *);
     gboolean(*set_current_value) (AtkValue *, const GValue *);
    AtkFunction pad1;
```

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```
    AtkFunction pad2;
} AtkValueIface;
typedef struct _AtkRelationClass {
    GObjectClass parent;
} AtkRelationClass;
typedef struct _AtkTextIface {
    GTypeInterface parent;
    gchar *(*get_text) (AtkText *, gint, gint);
    gchar    *(*get_text_after_offset)    (AtkText    *,    gint,
AtkTextBoundary,
                                        gint *, gint *);
    gchar     *(*get_text_at_offset)     (AtkText     *,     gint,
AtkTextBoundary, gint *,
                                    gint *);
     gunichar(*get_character_at_offset) (AtkText *, gint);
    gchar    *(*get_text_before_offset)    (AtkText    *,    gint,
AtkTextBoundary,
                                         gint *, gint *);
     gint(*get_caret_offset) (AtkText *);
    AtkAttributeSet *(*get_run_attributes) (AtkText *, gint, gint
*,
                                              gint *);
    AtkAttributeSet *(*get_default_attributes) (AtkText *);
    void (*get_character_extents) (AtkText *, gint, gint *, gint
*, gint *,
                                   gint *, AtkCoordType);
     gint(*get_character_count) (AtkText *);
     gint(*get_offset_at_point)    (AtkText    *,    gint,    gint,
AtkCoordType);
     gint(*get_n_selections) (AtkText *);
    gchar *(*get_selection) (AtkText *, gint, gint *, gint *);
     gboolean(*add_selection) (AtkText *, gint, gint);
     gboolean(*remove_selection) (AtkText *, gint);
     gboolean(*set_selection) (AtkText *, gint, gint, gint);
     gboolean(*set_caret_offset) (AtkText *, gint);
    void (*text_changed) (AtkText *, gint, gint);
    void (*text_caret_moved) (AtkText *, gint);
    void (*text_selection_changed) (AtkText *);
    void (*text_attributes_changed) (AtkText *);
    void    (*get_range_extents)    (AtkText    *,    gint,    gint,
AtkCoordType,
                              AtkTextRectangle *);
    AtkTextRange      **(*get_bounded_ranges)      (AtkText      *,
AtkTextRectangle *,
                                            AtkCoordType,
AtkTextClipType,
                                            AtkTextClipType);
    AtkFunction pad4;
} AtkTextIface;
typedef struct _AtkRelationSetClass {
    GObjectClass parent;
    AtkFunction pad1;
    AtkFunction pad2;
} AtkRelationSetClass;
typedef struct _AtkSelectionIface {
    GTypeInterface parent;
     gboolean(*add_selection) (AtkSelection *, gint);
     gboolean(*clear_selection) (AtkSelection *);
    AtkObject *(*ref_selection) (AtkSelection *, gint);
     gint(*get_selection_count) (AtkSelection *);
     gboolean(*is_child_selected) (AtkSelection *, gint);
     gboolean(*remove_selection) (AtkSelection *, gint);
     gboolean(*select_all_selection) (AtkSelection *);
    void (*selection_changed) (AtkSelection *);
    AtkFunction pad1;
    AtkFunction pad2;
```

```
} AtkSelectionIface;
typedef struct _AtkUtilClass {
    GObjectClass parent;
     guint(*add_global_event_listener) (GSignalEmissionHook,
                                        const gchar *);
    void (*remove_global_event_listener) (guint);
     guint(*add_key_event_listener) (AtkKeySnoopFunc, gpointer);
    void (*remove_key_event_listener) (guint);
    AtkObject *(*get_root) (void);
    const gchar *(*get_toolkit_name) (void);
    const gchar *(*get_toolkit_version) (void);
} AtkUtilClass;
typedef struct _AtkNoOpObjectClass {
    AtkObjectClass parent_class;
} AtkNoOpObjectClass;
typedef struct _AtkImageIface {
    GTypeInterface parent;
    void  (*get_image_position)  (AtkImage  *,  gint  *,  gint  *,
AtkCoordType);
    const gchar *(*get_image_description) (AtkImage *);
    void (*get_image_size) (AtkImage *, gint *, gint *);
     gboolean(*set_image_description)  (AtkImage  *,  const  gchar
*);
    AtkFunction pad1;
    AtkFunction pad2;
} AtkImageIface;
typedef struct _AtkComponentIface {
    GTypeInterface parent;
     guint(*add_focus_handler) (AtkComponent *, AtkFocusHandler);
     gboolean(*contains)    (AtkComponent    *,    gint,    gint,
AtkCoordType);
    AtkObject  *(*ref_accessible_at_point)  (AtkComponent  *,  gint,
gint,
                                             AtkCoordType);
    void (*get_extents) (AtkComponent *, gint *, gint *, gint *,
gint *,
                         AtkCoordType);
    void  (*get_position)  (AtkComponent  *,  gint  *,  gint  *,
AtkCoordType);
    void (*get_size) (AtkComponent *, gint *, gint *);
     gboolean(*grab_focus) (AtkComponent *);
    void (*remove_focus_handler) (AtkComponent *, guint);
     gboolean(*set_extents)  (AtkComponent  *,  gint,  gint,  gint,
gint,
                              AtkCoordType);
     gboolean(*set_position)   (AtkComponent   *,   gint,   gint,
AtkCoordType);
     gboolean(*set_size) (AtkComponent *, gint, gint);
     AtkLayer(*get_layer) (AtkComponent *);
     gint(*get_mdi_zorder) (AtkComponent *);
    void (*bounds_changed) (AtkComponent *, AtkRectangle *);
    AtkFunction pad2;
} AtkComponentIface;
typedef struct _AtkEditableTextIface {
    GTypeInterface parent_interface;
     gboolean(*set_run_attributes)       (AtkEditableText       *,
AtkAttributeSet *,
                                         gint, gint);
    void (*set_text_contents) (AtkEditableText *, const gchar *);
    void (*insert_text) (AtkEditableText *, const gchar *, gint,
gint *);
    void (*copy_text) (AtkEditableText *, gint, gint);
    void (*cut_text) (AtkEditableText *, gint, gint);
    void (*delete_text) (AtkEditableText *, gint, gint);
    void (*paste_text) (AtkEditableText *, gint);
    AtkFunction pad1;
```

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```
    AtkFunction pad2;
} AtkEditableTextIface;
typedef struct _AtkDocumentIface {
    GTypeInterface parent;
    const gchar *(*get_document_type) (AtkDocument *);
     gpointer(*get_document) (AtkDocument *);
    AtkFunction pad1;
    AtkFunction pad2;
    AtkFunction pad3;
    AtkFunction pad4;
    AtkFunction pad5;
    AtkFunction pad6;
    AtkFunction pad7;
    AtkFunction pad8;
} AtkDocumentIface;
typedef struct _AtkHyperlinkClass {
    GObjectClass parent;
    gchar *(*get_uri) (AtkHyperlink *, gint);
    AtkObject *(*get_object) (AtkHyperlink *, gint);
     gint(*get_end_index) (AtkHyperlink *);
     gint(*get_start_index) (AtkHyperlink *);
     gboolean(*is_valid) (AtkHyperlink *);
     gint(*get_n_anchors) (AtkHyperlink *);
     guint(*link_state) (AtkHyperlink *);
     gboolean(*is_selected_link) (AtkHyperlink *);
    void (*link_activated) (AtkHyperlink *);
    AtkFunction pad1;
} AtkHyperlinkClass;
typedef enum {
    ATK_KEY_EVENT_PRESS,
    ATK_KEY_EVENT_RELEASE,
    ATK_KEY_EVENT_LAST_DEFINED
} AtkKeyEventType;
typedef struct _AtkUtil {
    GObject parent;
} AtkUtil;
typedef enum {
    ATK_HYPERLINK_IS_INLINE = 1 << 0
} AtkHyperlinkStateFlags;
typedef struct _AtkNoOpObjectFactory {
    AtkObjectFactory parent;
} AtkNoOpObjectFactory;
typedef struct _AtkNoOpObject {
    AtkObject parent;
} AtkNoOpObject;
extern  gchar  *atk_text_get_selection(AtkText  *,  gint,  gint  *,
gint *);
extern guint atk_object_connect_property_change_handler(AtkObject
*,

AtkPropertyChangeHandler
                                                          *);
extern void atk_image_get_image_position(AtkImage *, gint *, gint
*,
                                          AtkCoordType);
extern AtkRelationType atk_relation_get_relation_type(AtkRelation
*);
extern const gchar *atk_role_get_localized_name(AtkRole);
extern GType atk_hyperlink_get_type(void);
extern  const  gchar  *atk_document_get_document_type(AtkDocument
*);
extern AtkObject *atk_table_get_caption(AtkTable *);
extern gint atk_hyperlink_get_start_index(AtkHyperlink *);
extern gpointer atk_document_get_document(AtkDocument *);
extern    AtkStateSet    *atk_state_set_or_sets(AtkStateSet    *,
AtkStateSet *);
```

```
extern AtkObjectFactory *atk_no_op_object_factory_new(void);
extern AtkObject *atk_table_get_column_header(AtkTable *, gint);
extern const gchar *atk_object_get_name(AtkObject *);
extern void atk_registry_set_factory_type(AtkRegistry *, GType,
GType);
extern gboolean
atk_editable_text_set_run_attributes(AtkEditableText *,

AtkAttributeSet *,
gint, gint);
extern GType atk_object_factory_get_type(void);
extern void atk_object_remove_property_change_handler(AtkObject
*, guint);
extern gboolean atk_image_set_image_description(AtkImage *, const
gchar *);
extern GType atk_gobject_accessible_get_type(void);
extern AtkHyperlink *atk_hypertext_get_link(AtkHypertext *,
gint);
extern void atk_attribute_set_free(AtkAttributeSet *);
extern void atk_focus_tracker_notify(AtkObject *);
extern void atk_relation_set_remove(AtkRelationSet *, AtkRelation
*);
extern void atk_editable_text_cut_text(AtkEditableText *, gint,
gint);
extern void atk_remove_key_event_listener(guint);
extern gboolean atk_selection_add_selection(AtkSelection *,
gint);
extern gint atk_action_get_n_actions(AtkAction *);
extern gboolean atk_component_set_extents(AtkComponent *, gint,
gint, gint,
gint, AtkCoordType);
extern void atk_editable_text_set_text_contents(AtkEditableText
*,
const gchar *);
extern AtkObject *atk_table_get_summary(AtkTable *);
extern AtkRole atk_role_register(const gchar *);
extern void atk_component_remove_focus_handler(AtkComponent *,
guint);
extern gint atk_hyperlink_get_n_anchors(AtkHyperlink *);
extern gboolean atk_value_set_current_value(AtkValue *, const
GValue *);
extern gint
atk_streamable_content_get_n_mime_types(AtkStreamableContent
*);
extern void atk_table_set_caption(AtkTable *, AtkObject *);
extern void atk_focus_tracker_init(AtkEventListenerInit);
extern void atk_relation_set_add(AtkRelationSet *, AtkRelation
*);
extern GType atk_text_get_type(void);
extern void atk_object_initialize(AtkObject *, gpointer);
extern void atk_object_set_role(AtkObject *, AtkRole);
extern void atk_table_set_row_header(AtkTable *, gint, AtkObject
*);
extern const gchar
*atk_streamable_content_get_mime_type(AtkStreamableContent *,
gint);
extern const gchar
*atk_text_attribute_get_value(AtkTextAttribute, gint);
extern gboolean atk_table_add_column_selection(AtkTable *, gint);
extern AtkLayer atk_component_get_layer(AtkComponent *);
extern AtkObject *atk_selection_ref_selection(AtkSelection *,
gint);
extern gboolean atk_hyperlink_is_selected_link(AtkHyperlink *);
extern gboolean atk_relation_set_contains(AtkRelationSet *,
AtkRelationType);
extern void atk_image_get_image_size(AtkImage *, int *, int *);
```

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```
extern gchar *atk_text_get_text_before_offset(AtkText *, gint,
                                              AtkTextBoundary,
gint *,
                                              gint *);
extern GType atk_action_get_type(void);
extern void atk_text_get_character_extents(AtkText *, gint, gint
*, gint *,
                                           gint    *,    gint    *,
AtkCoordType);
extern const gchar *atk_action_get_localized_name(AtkAction *,
gint);
extern void atk_state_set_clear_states(AtkStateSet *);
extern GType atk_relation_set_get_type(void);
extern gboolean atk_state_set_contains_state(AtkStateSet *,
AtkStateType);
extern                                                GIOChannel
*atk_streamable_content_get_stream(AtkStreamableContent
                                                      *,      const
gchar *);
extern AtkStateSet *atk_state_set_and_sets(AtkStateSet *,
AtkStateSet *);
extern gboolean atk_table_remove_column_selection(AtkTable *,
gint);
extern GType atk_streamable_content_get_type(void);
extern void atk_object_set_name(AtkObject *, const gchar *);
extern void atk_relation_set_add_relation_by_type(AtkRelationSet
*,

AtkRelationType,
                                                    AtkObject *);
extern void atk_remove_global_event_listener(guint);
extern gchar *atk_text_get_text(AtkText *, gint, gint);
extern void atk_editable_text_copy_text(AtkEditableText *, gint,
gint);
extern                                                      GObject
*atk_gobject_accessible_get_object(AtkGObjectAccessible *);
extern AtkRole atk_role_for_name(const gchar *);
extern const gchar *atk_table_get_column_description(AtkTable *,
gint);
extern const gchar *atk_role_get_name(AtkRole);
extern gint atk_table_get_n_rows(AtkTable *);
extern void atk_object_factory_invalidate(AtkObjectFactory *);
extern void atk_object_notify_state_change(AtkObject *, AtkState,
                                           gboolean);
extern                                                 AtkRelation
*atk_relation_set_get_relation_by_type(AtkRelationSet *,

AtkRelationType);
extern gint atk_relation_set_get_n_relations(AtkRelationSet *);
extern gint atk_object_get_n_accessible_children(AtkObject *);
extern void atk_table_set_row_description(AtkTable *, gint, const
gchar *);
extern GType atk_state_set_get_type(void);
extern AtkRelation *atk_relation_set_get_relation(AtkRelationSet
*, gint);
extern AtkObject *atk_get_focus_object(void);
extern gunichar atk_text_get_character_at_offset(AtkText *,
gint);
extern AtkRelation *atk_relation_new(AtkObject * *, gint,
AtkRelationType);
extern void atk_object_set_parent(AtkObject *, AtkObject *);
extern AtkAttributeSet *atk_text_get_run_attributes(AtkText *,
gint,
                                                      gint *, gint
*);
extern gboolean atk_object_remove_relationship(AtkObject *,
```

```
                                                AtkRelationType,
                                                AtkObject *);
extern  gboolean  atk_selection_remove_selection(AtkSelection  *,
gint);
extern guint atk_component_add_focus_handler(AtkComponent *,
                                              AtkFocusHandler);
extern gint atk_table_get_index_at(AtkTable *, gint, gint);
extern AtkRelationSet *atk_relation_set_new(void);
extern  AtkObjectFactory  *atk_registry_get_factory(AtkRegistry  *,
GType);
extern const gchar *atk_get_toolkit_version(void);
extern                          const                        gchar
*atk_text_attribute_get_name(AtkTextAttribute);
extern GType atk_image_get_type(void);
extern AtkRelationSet *atk_object_ref_relation_set(AtkObject *);
extern AtkStateSet *atk_state_set_new(void);
extern    AtkStateSet    *atk_state_set_xor_sets(AtkStateSet    *,
AtkStateSet *);
extern AtkObject *atk_hyperlink_get_object(AtkHyperlink *, gint);
extern gint atk_object_get_index_in_parent(AtkObject *);
extern gboolean atk_text_set_caret_offset(AtkText *, gint);
extern GType atk_registry_get_type(void);
extern AtkRelationType atk_relation_type_for_name(const gchar *);
extern const gchar *atk_get_toolkit_name(void);
extern     gboolean     atk_state_set_add_state(AtkStateSet     *,
AtkStateType);
extern AtkStateSet *atk_object_ref_state_set(AtkObject *);
extern const gchar *atk_image_get_image_description(AtkImage *);
extern gboolean atk_text_add_selection(AtkText *, gint, gint);
extern GType atk_registry_get_factory_type(AtkRegistry *, GType);
extern gboolean atk_selection_clear_selection(AtkSelection *);
extern const gchar *atk_action_get_name(AtkAction *, gint);
extern void atk_relation_add_target(AtkRelation *, AtkObject *);
extern  AtkTextAttribute  atk_text_attribute_register(const  gchar
*);
extern gboolean atk_hyperlink_is_valid(AtkHyperlink *);
extern GType atk_implementor_get_type(void);
extern    gboolean    atk_object_add_relationship(AtkObject    *,
AtkRelationType,
                                              AtkObject *);
extern GType atk_hypertext_get_type(void);
extern   void   atk_table_set_column_header(AtkTable   *,   gint,
AtkObject *);
extern gboolean atk_table_add_row_selection(AtkTable *, gint);
extern gint atk_selection_get_selection_count(AtkSelection *);
extern      guint      atk_add_key_event_listener(AtkKeySnoopFunc,
gpointer);
extern gboolean atk_table_is_row_selected(AtkTable *, gint);
extern GPtrArray *atk_relation_get_target(AtkRelation *);
extern  AtkAttributeSet  *atk_text_get_default_attributes(AtkText
*);
extern   void   atk_editable_text_insert_text(AtkEditableText   *,
const gchar *,
                                            gint, gint *);
extern gint atk_hypertext_get_link_index(AtkHypertext *, gint);
extern  const  gchar  *atk_table_get_row_description(AtkTable  *,
gint);
extern GType atk_table_get_type(void);
extern const gchar *atk_state_type_get_name(AtkStateType);
extern AtkObject *atk_no_op_object_new(GObject *);
extern  gint  atk_table_get_column_extent_at(AtkTable  *,  gint,
gint);
extern gint atk_hyperlink_get_end_index(AtkHyperlink *);
extern   void   atk_editable_text_delete_text(AtkEditableText   *,
gint, gint);
```

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```
extern   void   atk_editable_text_paste_text(AtkEditableText   *,
gint);
extern AtkTextRange **atk_text_get_bounded_ranges(AtkText *,

AtkTextRectangle *,
                                                    AtkCoordType,

AtkTextClipType,

AtkTextClipType);
extern  void  atk_component_get_position(AtkComponent  *,  gint  *,
gint *,
                                        AtkCoordType);
extern GType atk_value_get_type(void);
extern const gchar *atk_object_get_description(AtkObject *);
extern gint atk_table_get_selected_columns(AtkTable *, gint * *);
extern gint atk_table_get_column_at_index(AtkTable *, gint);
extern void atk_value_get_maximum_value(AtkValue *, GValue *);
extern GType atk_selection_get_type(void);
extern GType atk_rectangle_get_type(void);
extern                                                        GType
atk_object_factory_get_accessible_type(AtkObjectFactory *);
extern GType atk_relation_get_type(void);
extern gboolean atk_action_do_action(AtkAction *, gint);
extern  void  atk_state_set_add_states(AtkStateSet  *,  AtkStateType
*, gint);
extern GType atk_util_get_type(void);
extern                                                     AtkObject
*atk_component_ref_accessible_at_point(AtkComponent *,
                                                          gint,
gint,

AtkCoordType);
extern gchar *atk_text_get_text_after_offset(AtkText *, gint,
                                            AtkTextBoundary,
gint *,
                                            gint *);
extern gint atk_table_get_row_extent_at(AtkTable *, gint, gint);
extern guint atk_add_global_event_listener(GSignalEmissionHook,
                                           const gchar *);
extern    gboolean    atk_state_set_remove_state(AtkStateSet    *,
AtkStateType);
extern gboolean atk_table_remove_row_selection(AtkTable *, gint);
extern AtkObject *atk_table_ref_at(AtkTable *, gint, gint);
extern  void  atk_object_set_description(AtkObject  *,  const  gchar
*);
extern GType atk_no_op_object_factory_get_type(void);
extern AtkRole atk_object_get_role(AtkObject *);
extern void atk_table_set_column_description(AtkTable *, gint,
                                            const gchar *);
extern   gchar   *atk_text_get_text_at_offset(AtkText   *,   gint,
AtkTextBoundary,
                                          gint *, gint *);
extern AtkRelationType atk_relation_type_register(const gchar *);
extern  void  atk_component_get_extents(AtkComponent  *,  gint  *,
gint *,
                                       gint     *,     gint     *,
AtkCoordType);
extern  void  atk_text_get_range_extents(AtkText  *,  gint,  gint,
AtkCoordType,
                                        AtkTextRectangle *);
extern const gchar *atk_relation_type_get_name(AtkRelationType);
extern  void  atk_component_get_size(AtkComponent  *,  gint  *,  gint
*);
extern                                                     AtkObject
*atk_object_factory_create_accessible(AtkObjectFactory *,
```

```
                                                        GObject
*);
extern void atk_value_get_minimum_value(AtkValue *, GValue *);
extern GType atk_document_get_type(void);
extern AtkStateType atk_state_type_for_name(const gchar *);
extern gboolean atk_state_set_contains_states(AtkStateSet *,
                                              AtkStateType      *,
gint);
extern gint atk_text_get_caret_offset(AtkText *);
extern   const   gchar   *atk_action_get_description(AtkAction   *,
gint);
extern gint atk_text_get_offset_at_point(AtkText *, gint, gint,
                                         AtkCoordType);
extern AtkObject *atk_gobject_accessible_for_object(GObject *);
extern gboolean atk_action_set_description(AtkAction *, gint,
                                           const gchar *);
extern  gboolean  atk_text_set_selection(AtkText  *,  gint,  gint,
gint);
extern gint atk_table_get_selected_rows(AtkTable *, gint * *);
extern  AtkObject  *atk_implementor_ref_accessible(AtkImplementor
*);
extern gint atk_text_get_n_selections(AtkText *);
extern gint atk_component_get_mdi_zorder(AtkComponent *);
extern gchar *atk_hyperlink_get_uri(AtkHyperlink *, gint);
extern void atk_value_get_current_value(AtkValue *, GValue *);
extern AtkRegistry *atk_get_default_registry(void);
extern  gboolean  atk_component_set_position(AtkComponent  *,  gint,
gint,
                                           AtkCoordType);
extern void atk_remove_focus_tracker(guint);
extern GType atk_no_op_object_get_type(void);
extern gboolean atk_component_grab_focus(AtkComponent *);
extern gint atk_table_get_n_columns(AtkTable *);
extern gboolean atk_hyperlink_is_inline(AtkHyperlink *);
extern gboolean atk_table_is_column_selected(AtkTable *, gint);
extern AtkObject *atk_table_get_row_header(AtkTable *, gint);
extern gboolean atk_text_remove_selection(AtkText *, gint);
extern  AtkTextAttribute  atk_text_attribute_for_name(const  gchar
*);
extern void atk_table_set_summary(AtkTable *, AtkObject *);
extern  gboolean  atk_selection_is_child_selected(AtkSelection  *,
gint);
extern gboolean atk_table_is_selected(AtkTable *, gint, gint);
extern guint atk_add_focus_tracker(AtkEventListener);
extern GType atk_component_get_type(void);
extern  gboolean  atk_component_contains(AtkComponent  *,  gint,
gint,
                                       AtkCoordType);
extern gint atk_text_get_character_count(AtkText *);
extern gint atk_table_get_row_at_index(AtkTable *, gint);
extern  gboolean  atk_selection_select_all_selection(AtkSelection
*);
extern gint atk_hypertext_get_n_links(AtkHypertext *);
extern const gchar *atk_action_get_keybinding(AtkAction *, gint);
extern void atk_text_free_ranges(AtkTextRange * *);
extern  gboolean  atk_component_set_size(AtkComponent  *,  gint,
gint);
extern AtkStateType atk_state_type_register(const gchar *);
extern AtkObject *atk_get_root(void);
extern AtkObject *atk_object_get_parent(AtkObject *);
extern GType atk_editable_text_get_type(void);
extern gboolean atk_state_set_is_empty(AtkStateSet *);
extern GType atk_object_get_type(void);
extern  AtkObject  *atk_object_ref_accessible_child(AtkObject  *,
gint);
```

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12.10 Interfaces for libpango-1.0

Table 12-11 defines the library name and shared object name for the libpango-1.0 library

Table 12-11 libpango-1.0 Definition

Library:	libpango-1.0
SONAME:	libpango-1.0.so.0

The behavior of the interfaces in this library is specified by the following specifications:

[Pango] Pango 1.8.0 Reference Manual

12.10.1 GTK Internationalized Text Layout and Rendering library

12.10.1.1 Interfaces for GTK Internationalized Text Layout and Rendering library

An LSB conforming implementation shall provide the generic functions for GTK Internationalized Text Layout and Rendering library specified in Table 12-12, with the full mandatory functionality as described in the referenced underlying specification.

Table 12-12 libpango-1.0 - GTK Internationalized Text Layout and Rendering library Function Interfaces

pango_alignment_get_type [Pango]	pango_attr_background_new [Pango]
pango_attr_fallback_new [Pango]	pango_attr_family_new [Pango]
pango_attr_font_desc_new [Pango]	pango_attr_foreground_new [Pango]
pango_attr_iterator_copy [Pango]	pango_attr_iterator_destroy [Pango]
pango_attr_iterator_get [Pango]	pango_attr_iterator_get_attrs [Pango]
pango_attr_iterator_get_font [Pango]	pango_attr_iterator_next [Pango]
pango_attr_iterator_range [Pango]	pango_attr_language_new [Pango]
pango_attr_letter_spacing_new [Pango]	pango_attr_list_change [Pango]
pango_attr_list_copy [Pango]	pango_attr_list_filter [Pango]
pango_attr_list_get_iterator [Pango]	pango_attr_list_get_type [Pango]
pango_attr_list_insert [Pango]	pango_attr_list_insert_before [Pango]
pango_attr_list_new [Pango]	pango_attr_list_ref [Pango]
pango_attr_list_splice [Pango]	pango_attr_list_unref [Pango]
pango_attr_rise_new [Pango]	pango_attr_scale_new [Pango]
pango_attr_shape_new [Pango]	pango_attr_shape_new_with_data [Pango]

pango_attr_size_new [Pango]	pango_attr_size_new_absolute [Pango]
pango_attr_stretch_new [Pango]	pango_attr_strikethrough_color_new [Pango]
pango_attr_strikethrough_new [Pango]	pango_attr_style_new [Pango]
pango_attr_type_get_type [Pango]	pango_attr_type_register [Pango]
pango_attr_underline_color_new [Pango]	pango_attr_underline_new [Pango]
pango_attr_variant_new [Pango]	pango_attr_weight_new [Pango]
pango_attribute_copy [Pango]	pango_attribute_destroy [Pango]
pango_attribute_equal [Pango]	pango_break [Pango]
pango_color_copy [Pango]	pango_color_free [Pango]
pango_color_get_type [Pango]	pango_color_parse [Pango]
pango_context_get_base_dir [Pango]	pango_context_get_font_description [Pango]
pango_context_get_font_map [Pango]	pango_context_get_language [Pango]
pango_context_get_matrix [Pango]	pango_context_get_metrics [Pango]
pango_context_get_type [Pango]	pango_context_list_families [Pango]
pango_context_load_font [Pango]	pango_context_load_fontset [Pango]
pango_context_set_base_dir [Pango]	pango_context_set_font_description [Pango]
pango_context_set_language [Pango]	pango_context_set_matrix [Pango]
pango_coverage_from_bytes [Pango]	pango_coverage_get [Pango]
pango_coverage_level_get_type [Pango]	pango_coverage_max [Pango]
pango_coverage_new [Pango]	pango_coverage_ref [Pango]
pango_coverage_set [Pango]	pango_coverage_to_bytes [Pango]
pango_coverage_unref [Pango]	pango_direction_get_type [Pango]
pango_ellipsize_mode_get_type [Pango]	pango_find_base_dir [Pango]
pango_find_paragraph_boundary [Pango]	pango_font_describe [Pango]
pango_font_description_better_matc h [Pango]	pango_font_description_copy [Pango]
pango_font_description_copy_static [Pango]	pango_font_description_equal [Pango]
pango_font_description_free [Pango]	pango_font_description_from_string

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	[Pango]
pango_font_description_get_family [Pango]	pango_font_description_get_set_field s [Pango]
pango_font_description_get_size [Pango]	pango_font_description_get_size_is_ absolute [Pango]
pango_font_description_get_stretch [Pango]	pango_font_description_get_style [Pango]
pango_font_description_get_type [Pango]	pango_font_description_get_variant [Pango]
pango_font_description_get_weight [Pango]	pango_font_description_hash [Pango]
pango_font_description_merge [Pango]	pango_font_description_merge_stati c [Pango]
pango_font_description_new [Pango]	pango_font_description_set_absolute _size [Pango]
pango_font_description_set_family [Pango]	pango_font_description_set_family_s tatic [Pango]
pango_font_description_set_size [Pango]	pango_font_description_set_stretch [Pango]
pango_font_description_set_style [Pango]	pango_font_description_set_variant [Pango]
pango_font_description_set_weight [Pango]	pango_font_description_to_filename [Pango]
pango_font_description_to_string [Pango]	pango_font_description_unset_fields [Pango]
pango_font_descriptions_free [Pango]	pango_font_face_describe [Pango]
pango_font_face_get_face_name [Pango]	pango_font_face_get_type [Pango]
pango_font_face_list_sizes [Pango]	pango_font_family_get_name [Pango]
pango_font_family_get_type [Pango]	pango_font_family_is_monospace [Pango]
pango_font_family_list_faces [Pango]	pango_font_find_shaper [Pango]
pango_font_get_coverage [Pango]	pango_font_get_glyph_extents [Pango]
pango_font_get_metrics [Pango]	pango_font_get_type [Pango]
pango_font_map_get_type [Pango]	pango_font_map_list_families [Pango]
pango_font_map_load_font [Pango]	pango_font_map_load_fontset [Pango]

pango_font_mask_get_type [Pango]	pango_font_metrics_get_approximate_char_width [Pango]
pango_font_metrics_get_approximate_digit_width [Pango]	pango_font_metrics_get_ascent [Pango]
pango_font_metrics_get_descent [Pango]	pango_font_metrics_get_strikethrough_position [Pango]
pango_font_metrics_get_strikethrough_thickness [Pango]	pango_font_metrics_get_type [Pango]
pango_font_metrics_get_underline_position [Pango]	pango_font_metrics_get_underline_thickness [Pango]
pango_font_metrics_ref [Pango]	pango_font_metrics_unref [Pango]
pango_fontset_foreach [Pango]	pango_fontset_get_font [Pango]
pango_fontset_get_metrics [Pango]	pango_fontset_get_type [Pango]
pango_get_log_attrs [Pango]	pango_glyph_item_apply_attrs [Pango]
pango_glyph_item_free [Pango]	pango_glyph_item_letter_space [Pango]
pango_glyph_item_split [Pango]	pango_glyph_string_copy [Pango]
pango_glyph_string_extents [Pango]	pango_glyph_string_extents_range [Pango]
pango_glyph_string_free [Pango]	pango_glyph_string_get_logical_widths [Pango]
pango_glyph_string_get_type [Pango]	pango_glyph_string_index_to_x [Pango]
pango_glyph_string_new [Pango]	pango_glyph_string_set_size [Pango]
pango_glyph_string_x_to_index [Pango]	pango_item_copy [Pango]
pango_item_free [Pango]	pango_item_new [Pango]
pango_item_split [Pango]	pango_itemize [Pango]
pango_itemize_with_base_dir [Pango]	pango_language_from_string [Pango]
pango_language_get_sample_string [Pango]	pango_language_get_type [Pango]
pango_language_includes_script [Pango]	pango_language_matches [Pango]
pango_layout_context_changed [Pango]	pango_layout_copy [Pango]
pango_layout_get_alignment [Pango]	pango_layout_get_attributes [Pango]
pango_layout_get_auto_dir [Pango]	pango_layout_get_context [Pango]

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pango_layout_get_cursor_pos [Pango]	pango_layout_get_ellipsize [Pango]
pango_layout_get_extents [Pango]	pango_layout_get_font_description [Pango]
pango_layout_get_indent [Pango]	pango_layout_get_iter [Pango]
pango_layout_get_justify [Pango]	pango_layout_get_line [Pango]
pango_layout_get_line_count [Pango]	pango_layout_get_lines [Pango]
pango_layout_get_log_attrs [Pango]	pango_layout_get_pixel_extents [Pango]
pango_layout_get_pixel_size [Pango]	pango_layout_get_single_paragraph _mode [Pango]
pango_layout_get_size [Pango]	pango_layout_get_spacing [Pango]
pango_layout_get_tabs [Pango]	pango_layout_get_text [Pango]
pango_layout_get_type [Pango]	pango_layout_get_width [Pango]
pango_layout_get_wrap [Pango]	pango_layout_index_to_pos [Pango]
pango_layout_iter_at_last_line [Pango]	pango_layout_iter_free [Pango]
pango_layout_iter_get_baseline [Pango]	pango_layout_iter_get_char_extents [Pango]
pango_layout_iter_get_cluster_extent s [Pango]	pango_layout_iter_get_index [Pango]
pango_layout_iter_get_layout_extent s [Pango]	pango_layout_iter_get_line [Pango]
pango_layout_iter_get_line_extents [Pango]	pango_layout_iter_get_line_yrange [Pango]
pango_layout_iter_get_run [Pango]	pango_layout_iter_get_run_extents [Pango]
pango_layout_iter_get_type [Pango]	pango_layout_iter_next_char [Pango]
pango_layout_iter_next_cluster [Pango]	pango_layout_iter_next_line [Pango]
pango_layout_iter_next_run [Pango]	pango_layout_line_get_extents [Pango]
pango_layout_line_get_pixel_extents [Pango]	pango_layout_line_get_x_ranges [Pango]
pango_layout_line_index_to_x [Pango]	pango_layout_line_ref [Pango]
pango_layout_line_unref [Pango]	pango_layout_line_x_to_index [Pango]
pango_layout_move_cursor_visually [Pango]	pango_layout_new [Pango]

pango_layout_set_alignment [Pango]	pango_layout_set_attributes [Pango]
pango_layout_set_auto_dir [Pango]	pango_layout_set_ellipsize [Pango]
pango_layout_set_font_description [Pango]	pango_layout_set_indent [Pango]
pango_layout_set_justify [Pango]	pango_layout_set_markup [Pango]
pango_layout_set_markup_with_accel [Pango]	pango_layout_set_single_paragraph_mode [Pango]
pango_layout_set_spacing [Pango]	pango_layout_set_tabs [Pango]
pango_layout_set_text [Pango]	pango_layout_set_width [Pango]
pango_layout_set_wrap [Pango]	pango_layout_xy_to_index [Pango]
pango_log2vis_get_embedding_levels [Pango]	pango_matrix_concat [Pango]
pango_matrix_copy [Pango]	pango_matrix_free [Pango]
pango_matrix_get_type [Pango]	pango_matrix_rotate [Pango]
pango_matrix_scale [Pango]	pango_matrix_translate [Pango]
pango_parse_markup [Pango]	pango_parse_stretch [Pango]
pango_parse_style [Pango]	pango_parse_variant [Pango]
pango_parse_weight [Pango]	pango_read_line [Pango]
pango_render_part_get_type [Pango]	pango_renderer_activate [Pango]
pango_renderer_deactivate [Pango]	pango_renderer_draw_error_underline [Pango]
pango_renderer_draw_glyph [Pango]	pango_renderer_draw_glyphs [Pango]
pango_renderer_draw_layout [Pango]	pango_renderer_draw_layout_line [Pango]
pango_renderer_draw_rectangle [Pango]	pango_renderer_draw_trapezoid [Pango]
pango_renderer_get_color [Pango]	pango_renderer_get_matrix [Pango]
pango_renderer_get_type [Pango]	pango_renderer_part_changed [Pango]
pango_renderer_set_color [Pango]	pango_renderer_set_matrix [Pango]
pango_reorder_items [Pango]	pango_scan_int [Pango]
pango_scan_string [Pango]	pango_scan_word [Pango]
pango_script_for_unichar [Pango]	pango_script_get_sample_language [Pango]
pango_script_get_type [Pango]	pango_script_iter_free [Pango]
pango_script_iter_get_range [Pango]	pango_script_iter_new [Pango]
pango_script_iter_next [Pango]	pango_shape [Pango]

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pango_skip_space [Pango]	pango_split_file_list [Pango]
pango_stretch_get_type [Pango]	pango_style_get_type [Pango]
pango_tab_align_get_type [Pango]	pango_tab_array_copy [Pango]
pango_tab_array_free [Pango]	pango_tab_array_get_positions_in_pixels [Pango]
pango_tab_array_get_size [Pango]	pango_tab_array_get_tab [Pango]
pango_tab_array_get_tabs [Pango]	pango_tab_array_get_type [Pango]
pango_tab_array_new [Pango]	pango_tab_array_new_with_positions [Pango]
pango_tab_array_resize [Pango]	pango_tab_array_set_tab [Pango]
pango_trim_string [Pango]	pango_underline_get_type [Pango]
pango_unichar_direction [Pango]	pango_variant_get_type [Pango]
pango_weight_get_type [Pango]	pango_wrap_mode_get_type [Pango]

12.11 Data Definitions for libpango-1.0

This section defines global identifiers and their values that are associated with interfaces contained in libpango-1.0. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and application developers should use this ABI to supplement - not to replace - source interface definition specifications.

This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

12.11.1 pango-1.0/pango/pango-utils.h

```
extern char *pango_trim_string(const char *);
extern gboolean pango_scan_word(const char **, GString *);
extern gboolean pango_skip_space(const char **);
extern gboolean pango_parse_stretch(const char *, PangoStretch *,
                                    gboolean);
extern gboolean pango_scan_int(const char **, int *);
extern gboolean pango_parse_weight(const char *, PangoWeight *,
gboolean);
extern gint pango_read_line(FILE *, GString *);
extern gboolean pango_log2vis_get_embedding_levels(gunichar *,
gint,
                                                   PangoDirection
*,
                                                   guint8 *);
```

```
extern const char *pango_language_get_sample_string(PangoLanguage
*);
extern gboolean pango_parse_style(const char *, PangoStyle *,
gboolean);
extern gboolean pango_scan_string(const char **, GString *);
extern gboolean pango_parse_variant(const char *, PangoVariant *,
                                    gboolean);
extern char **pango_split_file_list(const char *);
```

12.11.2 pango-1.0/pango/pango.h

```
#define PANGO_CONTEXT_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST ((klass), PANGO_TYPE_CONTEXT, \
        PangoContextClass))
#define PANGO_LAYOUT_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_CAST ((klass), PANGO_TYPE_LAYOUT, \
        PangoLayoutClass))
#define PANGO_RENDERER_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST ((klass), PANGO_TYPE_RENDERER, \
        PangoRendererClass))
#define PANGO_IS_CONTEXT_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), PANGO_TYPE_CONTEXT))
#define PANGO_IS_LAYOUT_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), PANGO_TYPE_LAYOUT))
#define PANGO_IS_RENDERER_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), PANGO_TYPE_RENDERER))
#define PANGO_CONTEXT(object)    \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
PANGO_TYPE_CONTEXT, \
        PangoContext))
#define PANGO_FONT(object)       \
        (G_TYPE_CHECK_INSTANCE_CAST  ((object),  PANGO_TYPE_FONT,
PangoFont))
#define PANGO_FONTSET(object)    \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
PANGO_TYPE_FONTSET, \
        PangoFontset))
#define PANGO_FONT_FACE(object)  \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
PANGO_TYPE_FONT_FACE, \
        PangoFontFace))
#define PANGO_FONT_FAMILY(object)        \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
PANGO_TYPE_FONT_FAMILY, \
        PangoFontFamily))
#define PANGO_FONT_MAP(object)   \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
PANGO_TYPE_FONT_MAP, \
        PangoFontMap))
#define PANGO_LAYOUT(object)     \
        (G_TYPE_CHECK_INSTANCE_CAST ((object), PANGO_TYPE_LAYOUT,
\
        PangoLayout))
#define PANGO_RENDERER(object)   \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
PANGO_TYPE_RENDERER, \
        PangoRenderer))
#define PANGO_IS_CONTEXT(object)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                     ((object),
PANGO_TYPE_CONTEXT))
#define PANGO_IS_FONT(object)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((object), PANGO_TYPE_FONT))
#define PANGO_IS_FONTSET(object)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                     ((object),
PANGO_TYPE_FONTSET))
```

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```
#define PANGO_IS_FONT_FACE(object)       \
        (G_TYPE_CHECK_INSTANCE_TYPE                     ((object),
PANGO_TYPE_FONT_FACE))
#define PANGO_IS_FONT_FAMILY(object)     \
        (G_TYPE_CHECK_INSTANCE_TYPE                     ((object),
PANGO_TYPE_FONT_FAMILY))
#define PANGO_IS_FONT_MAP(object)        \
        (G_TYPE_CHECK_INSTANCE_TYPE                     ((object),
PANGO_TYPE_FONT_MAP))
#define PANGO_IS_LAYOUT(object)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                     ((object),
PANGO_TYPE_LAYOUT))
#define PANGO_IS_RENDERER(object)        \
        (G_TYPE_CHECK_INSTANCE_TYPE                     ((object),
PANGO_TYPE_RENDERER))
#define PANGO_CONTEXT_GET_CLASS(obj)     \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), PANGO_TYPE_CONTEXT, \
        PangoContextClass))
#define PANGO_LAYOUT_GET_CLASS(obj)      \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), PANGO_TYPE_LAYOUT, \
        PangoLayoutClass))
#define PANGO_RENDERER_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), PANGO_TYPE_RENDERER, \
        PangoRendererClass))
#define PANGO_PIXELS(d) (((int)(d) + 512) >> 10)
#define  pango_language_to_string(language)          ((const  char
*)language)
#define PANGO_SCALE_XX_SMALL    ((double)0.5787037037037)
#define PANGO_SCALE_X_SMALL     ((double)0.6444444444444)
#define PANGO_SCALE_SMALL       ((double)0.8333333333333)
#define PANGO_SCALE_MEDIUM      ((double)1.0)
#define PANGO_SCALE_LARGE       ((double)1.2)
#define PANGO_SCALE_X_LARGE     ((double)1.4399999999999)
#define PANGO_SCALE_XX_LARGE    ((double)1.728)
#define PANGO_RBEARING(rect)    ((rect).x + (rect).width)
#define PANGO_LBEARING(rect)    ((rect).x)
#define PANGO_DESCENT(rect)     ((rect).y + (rect).height)
#define PANGO_ASCENT(rect)      (-(rect).y)
#define PANGO_TYPE_ALIGNMENT    (pango_alignment_get_type())
#define PANGO_TYPE_ATTR_TYPE    (pango_attr_type_get_type())
#define PANGO_TYPE_CONTEXT      (pango_context_get_type ())
#define                                 PANGO_TYPE_COVERAGE_LEVEL
(pango_coverage_level_get_type())
#define PANGO_TYPE_DIRECTION    (pango_direction_get_type())
#define                                 PANGO_TYPE_ELLIPSIZE_MODE
(pango_ellipsize_mode_get_type())
#define PANGO_TYPE_FONTSET      (pango_fontset_get_type ())
#define                               PANGO_TYPE_FONT_DESCRIPTION
(pango_font_description_get_type ())
#define PANGO_TYPE_FONT_FACE    (pango_font_face_get_type ())
#define PANGO_TYPE_FONT_FAMILY  (pango_font_family_get_type ())
#define PANGO_TYPE_FONT (pango_font_get_type ())
#define PANGO_TYPE_FONT_MAP     (pango_font_map_get_type ())
#define PANGO_TYPE_FONT_MASK    (pango_font_mask_get_type())
#define PANGO_TYPE_FONT_METRICS (pango_font_metrics_get_type ())
#define PANGO_TYPE_GLYPH_STRING (pango_glyph_string_get_type ())
#define PANGO_TYPE_LANGUAGE     (pango_language_get_type ())
#define PANGO_TYPE_LAYOUT       (pango_layout_get_type ())
#define PANGO_TYPE_LAYOUT_ITER  (pango_layout_iter_get_type ())
#define PANGO_TYPE_MATRIX       (pango_matrix_get_type ())
#define PANGO_TYPE_RENDERER     (pango_renderer_get_type())
#define PANGO_TYPE_RENDER_PART  (pango_render_part_get_type())
#define PANGO_TYPE_SCRIPT       (pango_script_get_type())
#define PANGO_TYPE_STRETCH      (pango_stretch_get_type())
#define PANGO_TYPE_STYLE        (pango_style_get_type())
#define PANGO_TYPE_TAB_ALIGN    (pango_tab_align_get_type())
```

```
#define PANGO_TYPE_TAB_ARRAY    (pango_tab_array_get_type ())
#define PANGO_TYPE_UNDERLINE    (pango_underline_get_type())
#define PANGO_TYPE_VARIANT      (pango_variant_get_type())
#define PANGO_TYPE_WEIGHT       (pango_weight_get_type())
#define PANGO_TYPE_WRAP_MODE    (pango_wrap_mode_get_type())
#define PANGO_SCALE     1024
#define PANGO_TYPE_ATTR_LIST    pango_attr_list_get_type ()
#define PANGO_TYPE_COLOR        pango_color_get_type ()
#define PANGO_MATRIX_INIT       { 1., 0., 0., 1., 0., 0. }

typedef struct _PangoFontFace
 PangoFontFace;
typedef enum {
    PANGO_WRAP_WORD = 0,
    PANGO_WRAP_CHAR = 1,
    PANGO_WRAP_WORD_CHAR = 2
} PangoWrapMode;
typedef struct _PangoLayout
 PangoLayout;
typedef struct _PangoScriptIter
 PangoScriptIter;
typedef enum {
    PANGO_SCRIPT_INVALID_CODE = -1,
    PANGO_SCRIPT_COMMON = 0,
    PANGO_SCRIPT_INHERITED = 1,
    PANGO_SCRIPT_ARABIC = 2,
    PANGO_SCRIPT_ARMENIAN = 3,
    PANGO_SCRIPT_BENGALI = 4,
    PANGO_SCRIPT_BOPOMOFO = 5,
    PANGO_SCRIPT_CHEROKEE = 6,
    PANGO_SCRIPT_COPTIC = 7,
    PANGO_SCRIPT_CYRILLIC = 8,
    PANGO_SCRIPT_DESERET = 9,
    PANGO_SCRIPT_DEVANAGARI = 10,
    PANGO_SCRIPT_ETHIOPIC = 11,
    PANGO_SCRIPT_GEORGIAN = 12,
    PANGO_SCRIPT_GOTHIC = 13,
    PANGO_SCRIPT_GREEK = 14,
    PANGO_SCRIPT_GUJARATI = 15,
    PANGO_SCRIPT_GURMUKHI = 16,
    PANGO_SCRIPT_HAN = 17,
    PANGO_SCRIPT_HANGUL = 18,
    PANGO_SCRIPT_HEBREW = 19,
    PANGO_SCRIPT_HIRAGANA = 20,
    PANGO_SCRIPT_KANNADA = 21,
    PANGO_SCRIPT_KATAKANA = 22,
    PANGO_SCRIPT_KHMER = 23,
    PANGO_SCRIPT_LAO = 24,
    PANGO_SCRIPT_LATIN = 25,
    PANGO_SCRIPT_MALAYALAM = 26,
    PANGO_SCRIPT_MONGOLIAN = 27,
    PANGO_SCRIPT_MYANMAR = 28,
    PANGO_SCRIPT_OGHAM = 29,
    PANGO_SCRIPT_OLD_ITALIC = 30,
    PANGO_SCRIPT_ORIYA = 31,
    PANGO_SCRIPT_RUNIC = 32,
    PANGO_SCRIPT_SINHALA = 33,
    PANGO_SCRIPT_SYRIAC = 34,
    PANGO_SCRIPT_TAMIL = 35,
    PANGO_SCRIPT_TELUGU = 36,
    PANGO_SCRIPT_THAANA = 37,
    PANGO_SCRIPT_THAI = 38,
    PANGO_SCRIPT_TIBETAN = 39,
    PANGO_SCRIPT_CANADIAN_ABORIGINAL = 40,
    PANGO_SCRIPT_YI = 41,
    PANGO_SCRIPT_TAGALOG = 42,
```

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```
    PANGO_SCRIPT_HANUNOO = 43,
    PANGO_SCRIPT_BUHID = 44,
    PANGO_SCRIPT_TAGBANWA = 45,
    PANGO_SCRIPT_BRAILLE = 46,
    PANGO_SCRIPT_CYPRIOT = 47,
    PANGO_SCRIPT_LIMBU = 48,
    PANGO_SCRIPT_OSMANYA = 49,
    PANGO_SCRIPT_SHAVIAN = 50,
    PANGO_SCRIPT_LINEAR_B = 51,
    PANGO_SCRIPT_TAI_LE = 52,
    PANGO_SCRIPT_UGARITIC = 53
} PangoScript;
typedef struct _PangoFont
 PangoFont;
typedef struct _PangoContext
 PangoContext;
typedef struct _PangoFontDescription
 PangoFontDescription;
typedef enum {
    PANGO_ATTR_INVALID = 0,
    PANGO_ATTR_LANGUAGE = 1,
    PANGO_ATTR_FAMILY = 2,
    PANGO_ATTR_STYLE = 3,
    PANGO_ATTR_WEIGHT = 4,
    PANGO_ATTR_VARIANT = 5,
    PANGO_ATTR_STRETCH = 6,
    PANGO_ATTR_SIZE = 7,
    PANGO_ATTR_FONT_DESC = 8,
    PANGO_ATTR_FOREGROUND = 9,
    PANGO_ATTR_BACKGROUND = 10,
    PANGO_ATTR_UNDERLINE = 11,
    PANGO_ATTR_STRIKETHROUGH = 12,
    PANGO_ATTR_RISE = 13,
    PANGO_ATTR_SHAPE = 14,
    PANGO_ATTR_SCALE = 15,
    PANGO_ATTR_FALLBACK = 16,
    PANGO_ATTR_LETTER_SPACING = 17,
    PANGO_ATTR_UNDERLINE_COLOR = 18,
    PANGO_ATTR_STRIKETHROUGH_COLOR = 19,
    PANGO_ATTR_ABSOLUTE_SIZE = 20
} PangoAttrType;
typedef struct _PangoAttribute {
    const PangoAttrClass *klass;
    guint start_index;
    guint end_index;
} PangoAttribute;
typedef struct _PangoAttrClass {
    PangoAttrType type;
    PangoAttribute *(*copy) (const PangoAttribute *);
    void (*destroy) (PangoAttribute *);
     gboolean(*equal)    (const    PangoAttribute    *,    const
PangoAttribute *);
} PangoAttrClass;
typedef struct _PangoLanguage
 PangoLanguage;
typedef struct _PangoLogAttr {
    guint is_line_break:1;
    guint is_mandatory_break:1;
    guint is_char_break:1;
    guint is_white:1;
    guint is_cursor_position:1;
    guint is_word_start:1;
    guint is_word_end:1;
    guint is_sentence_boundary:1;
    guint is_sentence_start:1;
    guint is_sentence_end:1;
```

```
    guint backspace_deletes_character:1;
} PangoLogAttr;
typedef struct _PangoColor {
    guint16 red;
    guint16 green;
    guint16 blue;
} PangoColor;
typedef struct _PangoMatrix {
    double xx;
    double xy;
    double yx;
    double yy;
    double x0;
    double y0;
} PangoMatrix;
typedef struct _PangoEngineShape
 PangoEngineShape;
typedef struct _PangoEngineLang
 PangoEngineLang;
typedef struct _PangoAnalysis {
    PangoEngineShape *shape_engine;
    PangoEngineLang *lang_engine;
    PangoFont *font;
    guint8 level;
    PangoLanguage *language;
    GSList *extra_attrs;
} PangoAnalysis;
typedef struct _PangoItem {
    gint offset;
    gint length;
    gint num_chars;
    PangoAnalysis analysis;
} PangoItem;
typedef guint32 PangoGlyph;
typedef gint32 PangoGlyphUnit;
typedef struct _PangoGlyphGeometry {
    PangoGlyphUnit width;
    PangoGlyphUnit x_offset;
    PangoGlyphUnit y_offset;
} PangoGlyphGeometry;
typedef struct _PangoGlyphVisAttr {
    guint is_cluster_start:1;
} PangoGlyphVisAttr;
typedef struct _PangoGlyphInfo {
    PangoGlyph glyph;
    PangoGlyphGeometry geometry;
    PangoGlyphVisAttr attr;
} PangoGlyphInfo;
typedef struct _PangoGlyphString {
    gint num_glyphs;
    PangoGlyphInfo *glyphs;
    gint *log_clusters;
    gint space;
} PangoGlyphString;
typedef struct _PangoGlyphItem {
    PangoItem *item;
    PangoGlyphString *glyphs;
} PangoGlyphItem;
typedef PangoGlyphItem PangoLayoutRun;
typedef struct _PangoLayoutIter
 PangoLayoutIter;
typedef enum {
    PANGO_UNDERLINE_NONE = 0,
    PANGO_UNDERLINE_SINGLE = 1,
    PANGO_UNDERLINE_DOUBLE = 2,
    PANGO_UNDERLINE_LOW = 3,
```

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```
    PANGO_UNDERLINE_ERROR = 4
} PangoUnderline;
typedef struct _PangoRendererPrivate
 PangoRendererPrivate;
typedef struct _PangoRenderer {
    GObject parent_instance;
    PangoUnderline underline;
    gboolean strikethrough;
    int active_count;
    PangoMatrix *matrix;
    PangoRendererPrivate *priv;
} PangoRenderer;
typedef enum {
    PANGO_RENDER_PART_FOREGROUND = 0,
    PANGO_RENDER_PART_BACKGROUND = 1,
    PANGO_RENDER_PART_UNDERLINE = 2,
    PANGO_RENDER_PART_STRIKETHROUGH = 3
} PangoRenderPart;
typedef struct _PangoAttrList
 PangoAttrList;
typedef struct _PangoLayoutLine {
    PangoLayout *layout;
    gint start_index;
    gint length;
    GSList *runs;
    guint is_paragraph_start:1;
    guint resolved_dir:3;
} PangoLayoutLine;
typedef enum {
    PANGO_STRETCH_ULTRA_CONDENSED = 0,
    PANGO_STRETCH_EXTRA_CONDENSED = 1,
    PANGO_STRETCH_CONDENSED = 2,
    PANGO_STRETCH_SEMI_CONDENSED = 3,
    PANGO_STRETCH_NORMAL = 4,
    PANGO_STRETCH_SEMI_EXPANDED = 5,
    PANGO_STRETCH_EXPANDED = 6,
    PANGO_STRETCH_EXTRA_EXPANDED = 7,
    PANGO_STRETCH_ULTRA_EXPANDED = 8
} PangoStretch;
typedef struct _PangoRectangle {
    int x;
    int y;
    int width;
    int height;
} PangoRectangle;
typedef struct _PangoFontFamily
 PangoFontFamily;
typedef struct _PangoFontMetrics
 PangoFontMetrics;
typedef struct _PangoTabArray
 PangoTabArray;
typedef enum {
    PANGO_TAB_LEFT = 0
} PangoTabAlign;
typedef enum {
    PANGO_ALIGN_LEFT = 0,
    PANGO_ALIGN_CENTER = 1,
    PANGO_ALIGN_RIGHT = 2
} PangoAlignment;
typedef struct _PangoAttrIterator
 PangoAttrIterator;
typedef enum {
    PANGO_FONT_MASK_FAMILY = 1,
    PANGO_FONT_MASK_STYLE = 2,
    PANGO_FONT_MASK_VARIANT = 4,
    PANGO_FONT_MASK_WEIGHT = 8,
```

```
    PANGO_FONT_MASK_STRETCH = 16,
    PANGO_FONT_MASK_SIZE = 32
} PangoFontMask;
typedef enum {
    PANGO_DIRECTION_LTR = 0,
    PANGO_DIRECTION_RTL = 1,
    PANGO_DIRECTION_TTB_LTR = 2,
    PANGO_DIRECTION_TTB_RTL = 3,
    PANGO_DIRECTION_WEAK_LTR = 4,
    PANGO_DIRECTION_WEAK_RTL = 5,
    PANGO_DIRECTION_NEUTRAL = 6
} PangoDirection;
typedef enum {
    PANGO_ELLIPSIZE_NONE = 0,
    PANGO_ELLIPSIZE_START = 1,
    PANGO_ELLIPSIZE_MIDDLE = 2,
    PANGO_ELLIPSIZE_END = 3
} PangoEllipsizeMode;
typedef struct _PangoCoverage
 PangoCoverage;
typedef enum {
    PANGO_STYLE_NORMAL = 0,
    PANGO_STYLE_OBLIQUE = 1,
    PANGO_STYLE_ITALIC = 2
} PangoStyle;
typedef enum {
    PANGO_COVERAGE_NONE = 0,
    PANGO_COVERAGE_FALLBACK = 1,
    PANGO_COVERAGE_APPROXIMATE = 2,
    PANGO_COVERAGE_EXACT = 3
} PangoCoverageLevel;
typedef struct _PangoFontMap
 PangoFontMap;
typedef    gboolean(*PangoAttrFilterFunc)    (PangoAttribute    *,
gpointer);
typedef struct _PangoFontset PangoFontset;
typedef enum {
    PANGO_WEIGHT_ULTRALIGHT = 200,
    PANGO_WEIGHT_LIGHT = 300,
    PANGO_WEIGHT_NORMAL = 400,
    PANGO_WEIGHT_SEMIBOLD = 600,
    PANGO_WEIGHT_BOLD = 700,
    PANGO_WEIGHT_ULTRABOLD = 800,
    PANGO_WEIGHT_HEAVY = 900
} PangoWeight;
typedef   gboolean(*PangoFontsetForeachFunc)   (PangoFontset   *,
PangoFont *,
                                                gpointer);
typedef enum {
    PANGO_VARIANT_NORMAL = 0,
    PANGO_VARIANT_SMALL_CAPS = 1
} PangoVariant;
typedef gpointer(*PangoAttrDataCopyFunc) (gconstpointer);
typedef struct _PangoAttrShape {
    PangoAttribute attr;
    PangoRectangle ink_rect;
    PangoRectangle logical_rect;
    gpointer data;
    PangoAttrDataCopyFunc copy_func;
    GDestroyNotify destroy_func;
} PangoAttrShape;
typedef struct _PangoContextClass PangoContextClass;
typedef struct _PangoAttrString {
    PangoAttribute attr;
    char *value;
} PangoAttrString;
```

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```
typedef struct _PangoAttrColor {
    PangoAttribute attr;
    PangoColor color;
} PangoAttrColor;
typedef struct _PangoAttrFontDesc {
    PangoAttribute attr;
    PangoFontDescription *desc;
} PangoAttrFontDesc;
typedef struct _PangoAttrFloat {
    PangoAttribute attr;
    double value;
} PangoAttrFloat;
typedef struct _PangoRendererClass {
    GObjectClass parent_class;
    void   (*draw_glyphs)   (PangoRenderer   *,   PangoFont   *,
PangoGlyphString *,
                            int, int);
    void  (*draw_rectangle)  (PangoRenderer  *,  PangoRenderPart,
int, int,
                              int, int);
    void (*draw_error_underline) (PangoRenderer *, int, int, int,
int);
    void  (*draw_shape)  (PangoRenderer  *,  PangoAttrShape  *,  int,
int);
    void  (*draw_trapezoid)  (PangoRenderer  *,  PangoRenderPart,
double,
                              double,   double,   double,   double,
double);
    void (*draw_glyph) (PangoRenderer *, PangoFont *, PangoGlyph,
double,
                        double);
    void (*part_changed) (PangoRenderer *, PangoRenderPart);
    void (*begin) (PangoRenderer *);
    void (*end) (PangoRenderer *);
    void (*prepare_run) (PangoRenderer *, PangoLayoutRun *);
    void (*_pango_reserved1) (void);
    void (*_pango_reserved2) (void);
    void (*_pango_reserved3) (void);
    void (*_pango_reserved4) (void);
} PangoRendererClass;
typedef struct _PangoAttrLanguage {
    PangoAttribute attr;
    PangoLanguage *value;
} PangoAttrLanguage;
typedef struct _PangoAttrInt {
    PangoAttribute attr;
    int value;
} PangoAttrInt;
typedef struct _PangoAttrSize {
    PangoAttribute attr;
    int size;
    guint absolute:1;
} PangoAttrSize;
typedef struct _PangoLayoutClass PangoLayoutClass;
extern GType pango_script_get_type(void);
extern  const  char  *pango_font_face_get_face_name(PangoFontFace
*);
extern PangoWrapMode pango_layout_get_wrap(PangoLayout *);
extern void pango_layout_context_changed(PangoLayout *);
extern gboolean pango_script_iter_next(PangoScriptIter *);
extern PangoScript pango_script_for_unichar(gunichar);
extern PangoFont *pango_context_load_font(PangoContext *,
                                          const
PangoFontDescription *);
extern gboolean pango_attribute_equal(const PangoAttribute *,
                                      const PangoAttribute *);
```

```
extern void pango_get_log_attrs(const char *, int, int,
PangoLanguage *,
                                PangoLogAttr *, int);
extern gboolean pango_color_parse(PangoColor *, const char *);
extern gboolean pango_font_description_equal(const
PangoFontDescription *,
                                                const
PangoFontDescription *);
extern PangoAttribute *pango_attr_rise_new(int);
extern void pango_matrix_translate(PangoMatrix *, double,
double);
extern PangoLayoutRun *pango_layout_iter_get_run(PangoLayoutIter
*);
extern PangoLayout *pango_layout_new(PangoContext *);
extern PangoAttribute *pango_attr_size_new(int);
extern PangoAttribute *pango_attr_family_new(const char *);
extern void pango_layout_set_markup_with_accel(PangoLayout *,
const char *,
                                                int, gunichar,
gunichar *);
extern                                              PangoLanguage
*pango_script_get_sample_language(PangoScript);
extern void pango_renderer_draw_trapezoid(PangoRenderer *,
PangoRenderPart,
                                          double, double, double,
double,
                                          double, double);
extern void pango_attr_list_insert_before(PangoAttrList *,
                                          PangoAttribute *);
extern PangoAttribute *pango_attr_underline_new(PangoUnderline);
extern void pango_layout_line_unref(PangoLayoutLine *);
extern                                                      void
pango_glyph_string_get_logical_widths(PangoGlyphString *,
                                                  const char *,
int, int,
                                                  int *);
extern PangoStretch pango_font_description_get_stretch(const

PangoFontDescription
                                                        *);
extern void pango_layout_iter_get_char_extents(PangoLayoutIter *,
                                               PangoRectangle *);
extern PangoAttribute *pango_attr_scale_new(double);
extern void pango_layout_set_width(PangoLayout *, int);
extern void pango_layout_line_index_to_x(PangoLayoutLine *, int,
int,
                                         int *);
extern gboolean pango_font_family_is_monospace(PangoFontFamily
*);
extern void pango_font_descriptions_free(PangoFontDescription *
*, int);
extern void pango_layout_set_single_paragraph_mode(PangoLayout *,
                                                    gboolean);
extern char *pango_font_description_to_filename(const
PangoFontDescription
                                                *);
extern PangoLayout *pango_layout_copy(PangoLayout *);
extern                                                       int
pango_font_metrics_get_approximate_char_width(PangoFontMetrics
                                                            *);
extern void pango_shape(const gchar *, gint, PangoAnalysis *,
                        PangoGlyphString *);
extern void pango_layout_line_get_pixel_extents(PangoLayoutLine
*,
                                                PangoRectangle *,
```

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```
                                                    PangoRectangle
*);
extern void pango_layout_set_wrap(PangoLayout *, PangoWrapMode);
extern const char *pango_font_description_get_family(const

PangoFontDescription
                                                              *);
extern     void     pango_tab_array_get_tabs(PangoTabArray     *,
PangoTabAlign * *,
                                        gint * *);
extern void pango_script_iter_get_range(PangoScriptIter *, const
char **,
                                          const       char       **,
PangoScript *);
extern gboolean pango_layout_iter_next_line(PangoLayoutIter *);
extern     void     pango_layout_get_log_attrs(PangoLayout     *,
PangoLogAttr * *,
                                         gint *);
extern void pango_tab_array_free(PangoTabArray *);
extern PangoTabArray *pango_layout_get_tabs(PangoLayout *);
extern PangoFontDescription *pango_font_describe(PangoFont *);
extern void pango_context_set_font_description(PangoContext *,
                                                   const
PangoFontDescription
                                                   *);
extern gint pango_tab_array_get_size(PangoTabArray *);
extern PangoAlignment pango_layout_get_alignment(PangoLayout *);
extern const PangoMatrix *pango_renderer_get_matrix(PangoRenderer
*);
extern                                              PangoAttrIterator
*pango_attr_iterator_copy(PangoAttrIterator *);
extern GType pango_style_get_type(void);
extern PangoFontMask pango_font_description_get_set_fields(const

PangoFontDescription
                                                                 *);
extern  gboolean  pango_language_matches(PangoLanguage  *,  const
char *);
extern int pango_font_metrics_get_descent(PangoFontMetrics *);
extern      void      pango_layout_get_extents(PangoLayout      *,
PangoRectangle *,
                                        PangoRectangle *);
extern        char        *pango_font_description_to_string(const
PangoFontDescription
                                                 *);
extern void pango_layout_set_justify(PangoLayout *, gboolean);
extern  void  pango_find_paragraph_boundary(const  gchar  *,  gint,
gint *,
                                             gint *);
extern PangoDirection pango_unichar_direction(gunichar);
extern GList *pango_reorder_items(GList *);
extern   void   pango_glyph_string_set_size(PangoGlyphString   *,
gint);
extern                                            PangoFontDescription
*pango_font_description_from_string(const char

*);
extern                                                          int
pango_font_metrics_get_strikethrough_position(PangoFontMetrics
                                                               *);
extern PangoEngineShape *pango_font_find_shaper(PangoFont *,
                                                    PangoLanguage   *,
guint32);
extern GType pango_glyph_string_get_type(void);
extern  PangoEllipsizeMode  pango_layout_get_ellipsize(PangoLayout
*);
```

```
extern                                          PangoFontDescription
*pango_font_face_describe(PangoFontFace *);
extern PangoMatrix *pango_matrix_copy(const PangoMatrix *);
extern  const  PangoMatrix  *pango_context_get_matrix(PangoContext
*);
extern  void  pango_attr_iterator_range(PangoAttrIterator  *,  gint
*, gint *);
extern     void     pango_context_set_language(PangoContext     *,
PangoLanguage *);
extern void pango_glyph_item_letter_space(PangoGlyphItem *, const
char *,
                                          PangoLogAttr *, int);
extern void pango_coverage_max(PangoCoverage *, PangoCoverage *);
extern PangoStyle pango_font_description_get_style(const

PangoFontDescription *);
extern void pango_layout_line_get_extents(PangoLayoutLine *,
                                          PangoRectangle *,
                                          PangoRectangle *);
extern void pango_attribute_destroy(PangoAttribute *);
extern   PangoLayoutLine   *pango_layout_get_line(PangoLayout   *,
int);
extern gboolean pango_layout_get_auto_dir(PangoLayout *);
extern                                                          int
pango_font_metrics_get_approximate_digit_width(PangoFontMetrics
                                                              *);
extern void pango_attr_list_splice(PangoAttrList *, PangoAttrList
*, gint,
                                   gint);
extern                                                PangoLayoutLine
*pango_layout_iter_get_line(PangoLayoutIter *);
extern PangoFontDescription *pango_font_description_new(void);
extern       PangoAttribute       *pango_attr_font_desc_new(const
PangoFontDescription
                                                 *);
extern                                          PangoFontDescription
*pango_font_description_copy_static(const

PangoFontDescription

*);
extern void pango_font_metrics_unref(PangoFontMetrics *);
extern PangoDirection pango_find_base_dir(const gchar *, gint);
extern void pango_layout_iter_get_run_extents(PangoLayoutIter *,
                                              PangoRectangle *,
                                              PangoRectangle *);
extern void pango_layout_index_to_pos(PangoLayout *, int,
                                      PangoRectangle *);
extern const char *pango_font_family_get_name(PangoFontFamily *);
extern   void   pango_layout_line_get_x_ranges(PangoLayoutLine   *,
int, int,
                                          int **, int *);
extern void pango_item_free(PangoItem *);
extern GType pango_renderer_get_type(void);
extern void pango_layout_set_indent(PangoLayout *, int);
extern  void  pango_layout_set_text(PangoLayout  *,  const  char  *,
int);
extern         gint         pango_font_description_get_size(const
PangoFontDescription *);
extern GType pango_fontset_get_type(void);
extern GType pango_weight_get_type(void);
extern           guint           pango_font_description_hash(const
PangoFontDescription *);
extern void pango_renderer_activate(PangoRenderer *);
extern PangoContext *pango_layout_get_context(PangoLayout *);
extern PangoCoverage *pango_coverage_new(void);
```

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```
extern PangoAttribute *pango_attr_strikethrough_new(gboolean);
extern    void    pango_coverage_set(PangoCoverage    *,    int,
PangoCoverageLevel);
extern   PangoFont   *pango_font_map_load_font(PangoFontMap   *,
PangoContext *,
                                                const
PangoFontDescription *);
extern int pango_layout_iter_get_baseline(PangoLayoutIter *);
extern gboolean pango_font_description_better_match(const

PangoFontDescription *,
                                                        const

PangoFontDescription *,
                                                        const

PangoFontDescription
                                                        *);
extern void pango_layout_iter_get_line_extents(PangoLayoutIter *,
                                                PangoRectangle *,
                                                PangoRectangle *);
extern PangoItem *pango_item_new(void);
extern GType pango_font_mask_get_type(void);
extern   void   pango_tab_array_get_tab(PangoTabArray   *,   gint,
PangoTabAlign *,
                                        gint *);
extern gboolean pango_attr_iterator_next(PangoAttrIterator *);
extern gboolean pango_layout_get_justify(PangoLayout *);
extern PangoCoverage *pango_coverage_ref(PangoCoverage *);
extern     PangoAttribute     *pango_attr_foreground_new(guint16,
guint16,
                                                    guint16);
extern PangoAttrList *pango_attr_list_filter(PangoAttrList *,
                                              PangoAttrFilterFunc,
                                              gpointer);
extern PangoFontDescription
    *pango_context_get_font_description(PangoContext *);
extern   PangoTabArray   *pango_tab_array_new_with_positions(gint,
gboolean,

PangoTabAlign,
                                                            gint,
...);
extern   GSList   *pango_glyph_item_apply_attrs(PangoGlyphItem   *,
const char *,
                                              PangoAttrList *);
extern  PangoAttribute  *pango_attr_shape_new(const  PangoRectangle
*,
                                              const   PangoRectangle
*);
extern GType pango_variant_get_type(void);
extern void pango_layout_set_spacing(PangoLayout *, int);
extern void pango_attr_list_ref(PangoAttrList *);
extern                                                        void
pango_font_description_set_family_static(PangoFontDescription
                                                        *,      const
char *);
extern gboolean pango_layout_iter_next_char(PangoLayoutIter *);
extern   void   pango_glyph_string_index_to_x(PangoGlyphString   *,
char *, int,
                                            PangoAnalysis   *,   int,
gboolean,
                                            int *);
extern PangoAttribute *pango_attr_stretch_new(PangoStretch);
extern GType pango_attr_type_get_type(void);
extern GType pango_language_get_type(void);
```

```
extern void pango_font_get_glyph_extents(PangoFont *, PangoGlyph,
                                         PangoRectangle *,
                                         PangoRectangle *);
extern PangoAttribute *pango_attr_fallback_new(gboolean);
extern                                                        void
pango_font_description_merge_static(PangoFontDescription *,
                                                const
PangoFontDescription
                                                *, gboolean);
extern PangoAttrList *pango_layout_get_attributes(PangoLayout *);
extern PangoFontset *pango_font_map_load_fontset(PangoFontMap *,
                                                 PangoContext *,
                                                 const
PangoFontDescription
                                                 *,  PangoLanguage
*);
extern  void  pango_layout_set_tabs(PangoLayout  *,  PangoTabArray
*);
extern GType pango_attr_list_get_type(void);
extern GType pango_font_family_get_type(void);
extern void pango_matrix_free(PangoMatrix *);
extern PangoAttribute *pango_attr_language_new(PangoLanguage *);
extern  void  pango_layout_iter_get_cluster_extents(PangoLayoutIter
*,
                                                    PangoRectangle
*,
                                                    PangoRectangle
*);
extern PangoAttrType pango_attr_type_register(const gchar *);
extern   void   pango_context_set_matrix(PangoContext   *,   const
PangoMatrix *);
extern  void  pango_layout_set_markup(PangoLayout  *,  const  char  *,
int);
extern GType pango_coverage_level_get_type(void);
extern PangoTabArray *pango_tab_array_copy(PangoTabArray *);
extern      void      pango_attr_list_change(PangoAttrList      *,
PangoAttribute *);
extern PangoColor *pango_renderer_get_color(PangoRenderer *,
                                            PangoRenderPart);
extern    void    pango_renderer_part_changed(PangoRenderer    *,
PangoRenderPart);
extern   void   pango_glyph_string_x_to_index(PangoGlyphString   *,
char *, int,
                                              PangoAnalysis   *,   int,
int *,
                                              gboolean *);
extern void pango_tab_array_resize(PangoTabArray *, gint);
extern void pango_break(const gchar *, gint, PangoAnalysis *,
                        PangoLogAttr *, int);
extern void pango_coverage_unref(PangoCoverage *);
extern void pango_font_map_list_families(PangoFontMap *,
                                         PangoFontFamily   *   **,
int *);
extern  void  pango_matrix_concat(PangoMatrix  *,  const  PangoMatrix
*);
extern PangoAttrList *pango_attr_list_copy(PangoAttrList *);
extern GType pango_layout_iter_get_type(void);
extern     void     pango_layout_set_attributes(PangoLayout     *,
PangoAttrList *);
extern void pango_color_free(PangoColor *);
extern PangoItem *pango_item_copy(PangoItem *);
extern                                                        void
pango_font_description_set_weight(PangoFontDescription *,
                                                  PangoWeight);
extern PangoAttribute *pango_attr_letter_spacing_new(int);
extern PangoLanguage *pango_language_from_string(const char *);
```

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```
extern                                                  PangoAttribute
*pango_attr_strikethrough_color_new(guint16, guint16,

guint16);
extern      void      pango_attr_list_insert(PangoAttrList      *,
PangoAttribute *);
extern  gboolean  pango_layout_line_x_to_index(PangoLayoutLine  *,
int, int *,
                                                  int *);
extern PangoFontMap *pango_context_get_font_map(PangoContext *);
extern GType pango_direction_get_type(void);
extern  void  pango_layout_iter_get_layout_extents(PangoLayoutIter
*,
                                                     PangoRectangle
*,
                                                     PangoRectangle
*);
extern void pango_glyph_string_free(PangoGlyphString *);
extern                                                        gboolean
pango_tab_array_get_positions_in_pixels(PangoTabArray *);
extern   PangoFontMetrics   *pango_fontset_get_metrics(PangoFontset
*);
extern int pango_layout_iter_get_index(PangoLayoutIter *);
extern int pango_layout_get_spacing(PangoLayout *);
extern                                                        gboolean
pango_layout_get_single_paragraph_mode(PangoLayout *);
extern GSList *pango_layout_get_lines(PangoLayout *);
extern GType pango_underline_get_type(void);
extern    void    pango_layout_get_pixel_extents(PangoLayout    *,
PangoRectangle *,
                                                PangoRectangle *);
extern void pango_matrix_scale(PangoMatrix *, double, double);
extern void pango_attr_iterator_destroy(PangoAttrIterator *);
extern    void    pango_glyph_string_extents(PangoGlyphString    *,
PangoFont *,
                                          PangoRectangle          *,
PangoRectangle *);
extern PangoTabArray *pango_tab_array_new(gint, gboolean);
extern PangoAttribute *pango_attr_weight_new(PangoWeight);
extern int pango_layout_get_width(PangoLayout *);
extern gboolean pango_parse_markup(const char *, int, gunichar,
                                   PangoAttrList  *  *,  char  **,
gunichar *,
                                   GError * *);
extern void pango_matrix_rotate(PangoMatrix *, double);
extern  void  pango_font_description_set_style(PangoFontDescription
*,
                                                  PangoStyle);
extern void pango_layout_set_auto_dir(PangoLayout *, gboolean);
extern GType pango_context_get_type(void);
extern     PangoAttribute     *pango_attr_background_new(guint16,
guint16,
                                                     guint16);
extern  void  pango_coverage_to_bytes(PangoCoverage  *,  guchar  *  *,
int *);
extern  void  pango_font_description_set_size(PangoFontDescription
*, gint);
extern void pango_attr_list_unref(PangoAttrList *);
extern                                                            int
pango_font_metrics_get_strikethrough_thickness(PangoFontMetrics
                                                                 *);
extern PangoAttribute *pango_attr_size_new_absolute(int);
extern  PangoAttribute  *pango_attribute_copy(const  PangoAttribute
*);
extern  PangoAttribute  *pango_attr_iterator_get(PangoAttrIterator
*,
```

```
                                                PangoAttrType);
extern GType pango_matrix_get_type(void);
extern PangoDirection pango_context_get_base_dir(PangoContext *);
extern PangoAttribute *pango_attr_style_new(PangoStyle);
extern void pango_attr_iterator_get_font(PangoAttrIterator *,
                                         PangoFontDescription *,
                                         PangoLanguage    *    *,
GSList * *);
extern  void  pango_renderer_draw_glyph(PangoRenderer  *,  PangoFont
*,
                                       PangoGlyph,          double,
double);
extern void pango_glyph_item_free(PangoGlyphItem *);
extern gboolean pango_language_includes_script(PangoLanguage *,
                                                PangoScript);
extern gboolean pango_font_description_get_size_is_absolute(const

PangoFontDescription
                                                                 *);
extern   GSList   *pango_attr_iterator_get_attrs(PangoAttrIterator
*);
extern GType pango_ellipsize_mode_get_type(void);
extern  void  pango_font_face_list_sizes(PangoFontFace  *,  int  **,
int *);
extern void pango_layout_get_size(PangoLayout *, int *, int *);
extern  void  pango_renderer_draw_glyphs(PangoRenderer  *,  PangoFont
*,
                                        PangoGlyphString  *,  int,
int);
extern GType pango_tab_array_get_type(void);
extern PangoGlyphItem *pango_glyph_item_split(PangoGlyphItem *,
                                              const char *, int);
extern PangoLayoutIter *pango_layout_get_iter(PangoLayout *);
extern PangoGlyphString *pango_glyph_string_new(void);
extern gboolean pango_layout_iter_next_run(PangoLayoutIter *);
extern  void  pango_glyph_string_extents_range(PangoGlyphString  *,
int, int,
                                              PangoFont          *,
PangoRectangle *,
                                              PangoRectangle *);
extern PangoWeight pango_font_description_get_weight(const

PangoFontDescription
                                                            *);
extern GType pango_font_description_get_type(void);
extern void pango_renderer_deactivate(PangoRenderer *);
extern  PangoGlyphString  *pango_glyph_string_copy(PangoGlyphString
*);
extern void pango_script_iter_free(PangoScriptIter *);
extern PangoCoverage *pango_coverage_from_bytes(guchar *, int);
extern  void  pango_layout_iter_get_line_yrange(PangoLayoutIter  *,
int *,
                                              int *);
extern GType pango_stretch_get_type(void);
extern int pango_layout_get_line_count(PangoLayout *);
extern     void     pango_layout_set_ellipsize(PangoLayout     *,
PangoEllipsizeMode);
extern PangoCoverage *pango_font_get_coverage(PangoFont *,
                                              PangoLanguage *);
extern PangoFontDescription *pango_font_description_copy(const

PangoFontDescription
                                                          *);
extern      void      pango_fontset_foreach(PangoFontset      *,
PangoFontsetForeachFunc,
                                  gpointer);
```

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```
extern GType pango_font_get_type(void);
extern     void     pango_layout_set_alignment(PangoLayout     *,
PangoAlignment);
extern GType pango_layout_get_type(void);
extern void pango_renderer_draw_layout_line(PangoRenderer *,
                                            PangoLayoutLine     *,
int, int);
extern GType pango_alignment_get_type(void);
extern    void    pango_renderer_draw_rectangle(PangoRenderer    *,
PangoRenderPart,
                                          int, int, int, int);
extern void pango_context_list_families(PangoContext *,
                                        PangoFontFamily * **, int
*);
extern                                                        void
pango_font_description_set_absolute_size(PangoFontDescription
                                                        *, double);
extern void pango_layout_iter_free(PangoLayoutIter *);
extern   PangoCoverageLevel   pango_coverage_get(PangoCoverage   *,
int);
extern  void  pango_renderer_draw_error_underline(PangoRenderer  *,
int, int,
                                                 int, int);
extern PangoFontset *pango_context_load_fontset(PangoContext *,
                                                 const
PangoFontDescription
                                                 *,   PangoLanguage
*);
extern void pango_layout_line_ref(PangoLayoutLine *);
extern                                                        void
pango_font_description_set_family(PangoFontDescription *,
                                                const char *);
extern   gboolean   pango_layout_iter_at_last_line(PangoLayoutIter
*);
extern GType pango_render_part_get_type(void);
extern PangoAttrList *pango_attr_list_new(void);
extern                                                        void
pango_font_description_set_stretch(PangoFontDescription *,
                                                 PangoStretch);
extern void pango_font_description_merge(PangoFontDescription *,
                                         const
PangoFontDescription *,
                                         gboolean);
extern                                                         int
pango_font_metrics_get_underline_thickness(PangoFontMetrics *);
extern const char *pango_layout_get_text(PangoLayout *);
extern int pango_font_metrics_get_ascent(PangoFontMetrics *);
extern PangoFont *pango_fontset_get_font(PangoFontset *, guint);
extern    void    pango_renderer_draw_layout(PangoRenderer    *,
PangoLayout *, int,
                                       int);
extern                                                         int
pango_font_metrics_get_underline_position(PangoFontMetrics *);
extern GType pango_color_get_type(void);
extern   PangoFontMetrics   *pango_context_get_metrics(PangoContext
*,
                                                     const

PangoFontDescription *,
                                                     PangoLanguage
*);
extern gboolean pango_layout_xy_to_index(PangoLayout *, int, int,
int *,
                                         gint *);
extern void pango_renderer_set_matrix(PangoRenderer *,
                                      const PangoMatrix *);
```

```
extern                                                          void
pango_font_description_set_variant(PangoFontDescription *,
                                                  PangoVariant);
extern GList *pango_itemize(PangoContext *, const char *, int,
int,
                            PangoAttrList   *,   PangoAttrIterator
*);
extern   void   pango_layout_move_cursor_visually(PangoLayout   *,
gboolean, int,
                                                int,  int,  int  *,
int *);
extern int pango_layout_get_indent(PangoLayout *);
extern                                           PangoAttrIterator
*pango_attr_list_get_iterator(PangoAttrList *);
extern void pango_layout_get_pixel_size(PangoLayout *, int *, int
*);
extern                                                          void
pango_font_description_unset_fields(PangoFontDescription *,
                                                 PangoFontMask);
extern GType pango_tab_align_get_type(void);
extern PangoItem *pango_item_split(PangoItem *, int, int);
extern  PangoFontMetrics  *pango_font_metrics_ref(PangoFontMetrics
*);
extern     void     pango_context_set_base_dir(PangoContext     *,
PangoDirection);
extern   PangoAttribute   *pango_attr_underline_color_new(guint16,
guint16,
                                                        guint16);
extern   gboolean   pango_layout_iter_next_cluster(PangoLayoutIter
*);
extern PangoAttribute *pango_attr_variant_new(PangoVariant);
extern GType pango_font_face_get_type(void);
extern void pango_font_family_list_faces(PangoFontFamily *,
                                         PangoFontFace  *  **,  int
*);
extern PangoColor *pango_color_copy(const PangoColor *);
extern GType pango_wrap_mode_get_type(void);
extern   void   pango_tab_array_set_tab(PangoTabArray   *,   gint,
PangoTabAlign,
                                     gint);
extern    PangoAttribute    *pango_attr_shape_new_with_data(const
PangoRectangle
                                                        *,
                                                        const
PangoRectangle
                                                        *,
gpointer,

PangoAttrDataCopyFunc,

GDestroyNotify);
extern PangoVariant pango_font_description_get_variant(const

PangoFontDescription
                                                         *);
extern void pango_font_description_free(PangoFontDescription *);
extern GType pango_font_metrics_get_type(void);
extern void pango_layout_get_cursor_pos(PangoLayout *, int,
                                        PangoRectangle *,
                                        PangoRectangle *);
extern    GList    *pango_itemize_with_base_dir(PangoContext    *,
PangoDirection,
                                          const char *, int, int,
                                          PangoAttrList *,
                                          PangoAttrIterator *);
extern PangoLanguage *pango_context_get_language(PangoContext *);
```

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```
extern     void     pango_renderer_set_color(PangoRenderer     *,
PangoRenderPart,
                                      const PangoColor *);
extern GType pango_font_map_get_type(void);
extern const PangoFontDescription
    *pango_layout_get_font_description(PangoLayout *);
extern void pango_layout_set_font_description(PangoLayout *,
                                              const
PangoFontDescription
                                              *);
extern PangoFontMetrics *pango_font_get_metrics(PangoFont *,
                                                PangoLanguage *);
extern PangoScriptIter *pango_script_iter_new(const char *, int);
```

12.12 Interfaces for libpangoxft-1.0

Table 12-13 defines the library name and shared object name for the libpangoxft-1.0 library

Table 12-13 libpangoxft-1.0 Definition

Library:	libpangoxft-1.0
SONAME:	libpangoxft-1.0.so.0

The behavior of the interfaces in this library is specified by the following specifications:

[Pango] Pango 1.8.0 Reference Manual

12.12.1 Pango Xft Fonts and Rendering library

12.12.1.1 Interfaces for Pango Xft Fonts and Rendering library

An LSB conforming implementation shall provide the generic functions for Pango Xft Fonts and Rendering library specified in Table 12-14, with the full mandatory functionality as described in the referenced underlying specification.

Table 12-14 libpangoxft-1.0 - Pango Xft Fonts and Rendering library Function Interfaces

pango_xft_font_get_type [Pango]	pango_xft_font_map_get_type [Pango]
pango_xft_get_context [Pango]	pango_xft_get_font_map [Pango]
pango_xft_picture_render [Pango]	pango_xft_render [Pango]
pango_xft_render_layout [Pango]	pango_xft_render_layout_line [Pango]
pango_xft_render_transformed [Pango]	pango_xft_renderer_get_type [Pango]
pango_xft_renderer_new [Pango]	pango_xft_renderer_set_default_color [Pango]
pango_xft_renderer_set_draw [Pango]	pango_xft_set_default_substitute [Pango]
pango_xft_shutdown_display [Pango]	pango_xft_substitute_changed [Pango]

12.13 Data Definitions for libpangoxft-1.0

This section defines global identifiers and their values that are associated with interfaces contained in libpangoxft-1.0. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and application developers should use this ABI to supplement - not to replace - source interface definition specifications.

This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

12.13.1 pango-1.0/pango/pangoxft.h

```
#define PANGO_XFT_RENDERER_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
PANGO_TYPE_XFT_RENDERER, \
        PangoXftRendererClass))
#define PANGO_IS_XFT_RENDERER_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
PANGO_TYPE_XFT_RENDERER))
#define PANGO_XFT_FONT(object)   \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
PANGO_TYPE_XFT_FONT, \
        PangoXftFont))
#define PANGO_XFT_FONT_MAP(object)       \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
PANGO_TYPE_XFT_FONT_MAP, \
        PangoXftFontMap))
#define PANGO_XFT_RENDERER(object)       \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
PANGO_TYPE_XFT_RENDERER, \
        PangoXftRenderer))
#define PANGO_XFT_IS_FONT(object)        \
        (G_TYPE_CHECK_INSTANCE_TYPE                     ((object),
PANGO_TYPE_XFT_FONT))
#define PANGO_XFT_IS_FONT_MAP(object)    \
        (G_TYPE_CHECK_INSTANCE_TYPE                     ((object),
PANGO_TYPE_XFT_FONT_MAP))
#define PANGO_IS_XFT_RENDERER(object)    \
        (G_TYPE_CHECK_INSTANCE_TYPE                     ((object),
PANGO_TYPE_XFT_RENDERER))
#define PANGO_XFT_RENDERER_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
PANGO_TYPE_XFT_RENDERER, \
        PangoXftRendererClass))
#define PANGO_TYPE_XFT_FONT     (pango_xft_font_get_type ())
#define PANGO_TYPE_XFT_FONT_MAP (pango_xft_font_map_get_type ())
#define PANGO_TYPE_XFT_RENDERER (pango_xft_renderer_get_type())
#define PANGO_RENDER_TYPE_XFT   "PangoRenderXft"

typedef struct _PangoXftRenderer
 PangoXftRenderer;
```

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```
typedef void (*PangoXftSubstituteFunc) (FcPattern *, gpointer);
typedef struct _PangoXftFontMap
 PangoXftFontMap;
typedef struct _PangoXftRendererClass {
    PangoRendererClass parent_class;
    void     (*composite_trapezoids)     (PangoXftRenderer     *,
PangoRenderPart,
                                  XTrapezoid *, int);
    void (*composite_glyphs) (PangoXftRenderer *, XftFont *,
                              XftGlyphSpec *, int);
} PangoXftRendererClass;
typedef struct _PangoFcFontClass
 PangoFcFontClass;
typedef struct _PangoFcFont
 PangoFcFont;
typedef struct _PangoXftFont
 PangoXftFont;
typedef struct _PangoXftRendererPrivate
 PangoXftRendererPrivate;
extern void pango_xft_substitute_changed(Display *, int);
extern void pango_xft_render(XftDraw *, XftColor *, PangoFont *,
                             PangoGlyphString *, gint, gint);
extern PangoRenderer *pango_xft_renderer_new(Display *, int);
extern GType pango_xft_renderer_get_type(void);
extern  void  pango_xft_renderer_set_default_color(PangoXftRenderer
*,
                                                     PangoColor *);
extern GType pango_xft_font_get_type(void);
extern void pango_xft_picture_render(Display *, Picture, Picture,
                                     PangoFont                  *,
PangoGlyphString *, gint,
                                     gint);
extern   void   pango_xft_render_layout(XftDraw   *,   XftColor   *,
PangoLayout *,
                                    int, int);
extern void pango_xft_render_transformed(XftDraw *, XftColor *,
                                         PangoMatrix  *,  PangoFont
*,
                                         PangoGlyphString  *,  int,
int);
extern   void   pango_xft_renderer_set_draw(PangoXftRenderer   *,
XftDraw *);
extern void pango_xft_render_layout_line(XftDraw *, XftColor *,
                                         PangoLayoutLine  *,  int,
int);
extern void pango_xft_shutdown_display(Display *, int);
extern PangoFontMap *pango_xft_get_font_map(Display *, int);
extern PangoContext *pango_xft_get_context(Display *, int);
extern GType pango_xft_font_map_get_type(void);
extern void pango_xft_set_default_substitute(Display *, int,

PangoXftSubstituteFunc,
                                                gpointer,
GDestroyNotify);
```

12.14 Interfaces for libpangoft2-1.0

Table 12-15 defines the library name and shared object name for the libpangoft2-1.0 library

Table 12-15 libpangoft2-1.0 Definition

Library:	libpangoft2-1.0
SONAME:	libpangoft2-1.0.so.0

The behavior of the interfaces in this library is specified by the following specifications:

[Pango] Pango 1.8.0 Reference Manual

12.14.1 Pango Freetype Fonts and Rendering library

12.14.1.1 Interfaces for Pango Freetype Fonts and Rendering library

An LSB conforming implementation shall provide the generic functions for Pango Freetype Fonts and Rendering library specified in Table 12-16, with the full mandatory functionality as described in the referenced underlying specification.

Table 12-16 libpangoft2-1.0 - Pango Freetype Fonts and Rendering library Function Interfaces

pango_fc_decoder_get_charset [Pango]	pango_fc_decoder_get_glyph [Pango]
pango_fc_decoder_get_type [Pango]	pango_fc_font_description_from_pattern [Pango]
pango_fc_font_get_type [Pango]	pango_fc_font_lock_face [Pango]
pango_fc_font_map_add_decoder_find_func [Pango]	pango_fc_font_map_get_type [Pango]
pango_fc_font_unlock_face [Pango]	pango_ft2_font_map_create_context [Pango]
pango_ft2_font_map_get_type [Pango]	pango_ft2_font_map_new [Pango]
pango_ft2_font_map_set_default_substitute [Pango]	pango_ft2_font_map_set_resolution [Pango]
pango_ft2_font_map_substitute_changed [Pango]	pango_ft2_render [Pango]
pango_ft2_render_layout [Pango]	pango_ft2_render_layout_line [Pango]
pango_ft2_render_layout_line_subpixel [Pango]	pango_ft2_render_layout_subpixel [Pango]
pango_ft2_render_transformed [Pango]	

12.15 Data Definitions for libpangoft2-1.0

This section defines global identifiers and their values that are associated with interfaces contained in libpangoft2-1.0. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and

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application developers should use this ABI to supplement - not to replace - source interface definition specifications.

This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

12.15.1 pango-1.0/pango/pangofc-decoder.h

```
#define PANGO_FC_DECODER_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST ((klass), PANGO_TYPE_FC_DECODER,
\
        PangoFcDecoderClass))
#define PANGO_IS_FC_DECODER_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
PANGO_TYPE_FC_DECODER))
#define PANGO_FC_DECODER(object)         \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
PANGO_TYPE_FC_DECODER, \
        PangoFcDecoder))
#define PANGO_IS_FC_DECODER(object)      \
        (G_TYPE_CHECK_INSTANCE_TYPE                     ((object),
PANGO_TYPE_FC_DECODER))
#define PANGO_FC_DECODER_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), PANGO_TYPE_FC_DECODER,
\
        PangoFcDecoderClass))
#define PANGO_TYPE_FC_DECODER   (pango_fc_decoder_get_type())

typedef struct _PangoFcDecoder {
    GObject parent_instance;
} PangoFcDecoder;
typedef struct _PangoFcDecoderClass {
    GObjectClass parent_class;
    FcCharSet *(*get_charset) (PangoFcDecoder *, PangoFcFont *);
     PangoGlyph(*get_glyph)  (PangoFcDecoder  *,  PangoFcFont  *,
guint32);
    void (*_pango_reserved1) (void);
    void (*_pango_reserved2) (void);
    void (*_pango_reserved3) (void);
    void (*_pango_reserved4) (void);
} PangoFcDecoderClass;
extern FcCharSet *pango_fc_decoder_get_charset(PangoFcDecoder *,
                                               PangoFcFont *);
extern PangoGlyph pango_fc_decoder_get_glyph(PangoFcDecoder *,
                                             PangoFcFont        *,
guint32);
extern GType pango_fc_decoder_get_type(void);
```

12.15.2 pango-1.0/pango/pangofc-fontmap.h

```
#define PANGO_FC_FONT_MAP(object)        \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
PANGO_TYPE_FC_FONT_MAP, \
        PangoFcFontMap))
#define PANGO_IS_FC_FONT_MAP(object)     \
        (G_TYPE_CHECK_INSTANCE_TYPE                     ((object),
PANGO_TYPE_FC_FONT_MAP))
#define PANGO_TYPE_FC_FONT_MAP  (pango_fc_font_map_get_type ())

typedef struct _PangoFcFontMap
```

```
 PangoFcFontMap;
typedef  PangoFcDecoder  *(*PangoFcDecoderFindFunc)  (FcPattern  *,
gpointer);
typedef struct _PangoFcFontMapClass
 PangoFcFontMapClass;
extern                                                        void
pango_fc_font_map_add_decoder_find_func(PangoFcFontMap *,

PangoFcDecoderFindFunc,
                                                   gpointer,

GDestroyNotify);
extern PangoFontDescription
    *pango_fc_font_description_from_pattern(FcPattern          *,
gboolean);
extern GType pango_fc_font_map_get_type(void);
```

12.15.3 pango-1.0/pango/pangoft2.h

```
#define PANGO_FC_FONT(object)    \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
PANGO_TYPE_FC_FONT, \
        PangoFcFont))
#define PANGO_FT2_FONT_MAP(object)       \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
PANGO_TYPE_FT2_FONT_MAP, \
        PangoFT2FontMap))
#define PANGO_IS_FC_FONT(object)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                     ((object),
PANGO_TYPE_FC_FONT))
#define PANGO_FT2_IS_FONT_MAP(object)    \
        (G_TYPE_CHECK_INSTANCE_TYPE                     ((object),
PANGO_TYPE_FT2_FONT_MAP))
#define PANGO_TYPE_FC_FONT      (pango_fc_font_get_type ())
#define PANGO_TYPE_FT2_FONT_MAP (pango_ft2_font_map_get_type ())

typedef struct _PangoFT2FontMap
 PangoFT2FontMap;
typedef void (*PangoFT2SubstituteFunc) (FcPattern *, gpointer);
extern                                                        void
pango_ft2_font_map_set_default_substitute(PangoFT2FontMap *,

PangoFT2SubstituteFunc,
                                                     gpointer,

GDestroyNotify);
extern void pango_fc_font_unlock_face(PangoFcFont *);
extern GType pango_ft2_font_map_get_type(void);
extern   void   pango_ft2_render_transformed(FT_Bitmap   *,   const
PangoMatrix *,
                                          PangoFont              *,
PangoGlyphString *,
                                          int, int);
extern                                                   PangoContext
*pango_ft2_font_map_create_context(PangoFT2FontMap *);
extern    void    pango_ft2_render_layout_subpixel(FT_Bitmap    *,
PangoLayout *,
                                             int, int);
extern  void  pango_ft2_render_layout(FT_Bitmap  *,  PangoLayout  *,
int, int);
extern  void  pango_ft2_font_map_set_resolution(PangoFT2FontMap  *,
double,
                                              double);
extern   void   pango_ft2_render(FT_Bitmap   *,   PangoFont   *,
PangoGlyphString *,
```

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```
                                int, int);
extern void pango_ft2_font_map_substitute_changed(PangoFT2FontMap
*);
extern     void     pango_ft2_render_layout_line(FT_Bitmap     *,
PangoLayoutLine *,
                                          int, int);
extern GType pango_fc_font_get_type(void);
extern void pango_ft2_render_layout_line_subpixel(FT_Bitmap *,
                                                   PangoLayoutLine
*, int,
                                                   int);
extern FT_Face pango_fc_font_lock_face(PangoFcFont *);
extern PangoFontMap *pango_ft2_font_map_new(void);
```

12.16 Interfaces for libgdk_pixbuf-2.0

Table 12-17 defines the library name and shared object name for the libgdk_pixbuf-2.0 library

Table 12-17 libgdk_pixbuf-2.0 Definition

Library:	libgdk_pixbuf-2.0
SONAME:	libgdk_pixbuf-2.0.so.0

The behavior of the interfaces in this library is specified by the following specifications:

[Gdk-pixbuf] Gdk-pixbuf 2.6.2 Reference Manual

12.16.1 GDK pixbuf rendering on drawables library

12.16.1.1 Interfaces for GDK pixbuf rendering on drawables library

An LSB conforming implementation shall provide the generic functions for GDK pixbuf rendering on drawables library specified in Table 12-18, with the full mandatory functionality as described in the referenced underlying specification.

Table 12-18 libgdk_pixbuf-2.0 - GDK pixbuf rendering on drawables library Function Interfaces

gdk_colorspace_get_type [Gdk-pixbuf]	gdk_interp_type_get_type [Gdk-pixbuf]
gdk_pixbuf_add_alpha [Gdk-pixbuf]	gdk_pixbuf_alpha_mode_get_type [Gdk-pixbuf]
gdk_pixbuf_animation_get_height [Gdk-pixbuf]	gdk_pixbuf_animation_get_iter [Gdk-pixbuf]
gdk_pixbuf_animation_get_static_image [Gdk-pixbuf]	gdk_pixbuf_animation_get_type [Gdk-pixbuf]
gdk_pixbuf_animation_get_width [Gdk-pixbuf]	gdk_pixbuf_animation_is_static_image [Gdk-pixbuf]
gdk_pixbuf_animation_iter_advance [Gdk-pixbuf]	gdk_pixbuf_animation_iter_get_delay_time [Gdk-pixbuf]
gdk_pixbuf_animation_iter_get_pixbuf [Gdk-pixbuf]	gdk_pixbuf_animation_iter_get_type [Gdk-pixbuf]

gdk_pixbuf_animation_iter_on_currently_loading_frame [Gdk-pixbuf]	gdk_pixbuf_animation_new_from_file [Gdk-pixbuf]
gdk_pixbuf_composite [Gdk-pixbuf]	gdk_pixbuf_composite_color [Gdk-pixbuf]
gdk_pixbuf_composite_color_simple [Gdk-pixbuf]	gdk_pixbuf_copy [Gdk-pixbuf]
gdk_pixbuf_copy_area [Gdk-pixbuf]	gdk_pixbuf_error_get_type [Gdk-pixbuf]
gdk_pixbuf_error_quark [Gdk-pixbuf]	gdk_pixbuf_fill [Gdk-pixbuf]
gdk_pixbuf_flip [Gdk-pixbuf]	gdk_pixbuf_format_get_description [Gdk-pixbuf]
gdk_pixbuf_format_get_extensions [Gdk-pixbuf]	gdk_pixbuf_format_get_license [Gdk-pixbuf]
gdk_pixbuf_format_get_mime_types [Gdk-pixbuf]	gdk_pixbuf_format_get_name [Gdk-pixbuf]
gdk_pixbuf_format_is_disabled [Gdk-pixbuf]	gdk_pixbuf_format_is_scalable [Gdk-pixbuf]
gdk_pixbuf_format_is_writable [Gdk-pixbuf]	gdk_pixbuf_format_set_disabled [Gdk-pixbuf]
gdk_pixbuf_from_pixdata [Gdk-pixbuf]	gdk_pixbuf_get_bits_per_sample [Gdk-pixbuf]
gdk_pixbuf_get_colorspace [Gdk-pixbuf]	gdk_pixbuf_get_file_info [Gdk-pixbuf]
gdk_pixbuf_get_formats [Gdk-pixbuf]	gdk_pixbuf_get_has_alpha [Gdk-pixbuf]
gdk_pixbuf_get_height [Gdk-pixbuf]	gdk_pixbuf_get_n_channels [Gdk-pixbuf]
gdk_pixbuf_get_option [Gdk-pixbuf]	gdk_pixbuf_get_pixels [Gdk-pixbuf]
gdk_pixbuf_get_rowstride [Gdk-pixbuf]	gdk_pixbuf_get_type [Gdk-pixbuf]
gdk_pixbuf_get_width [Gdk-pixbuf]	gdk_pixbuf_loader_close [Gdk-pixbuf]
gdk_pixbuf_loader_get_animation [Gdk-pixbuf]	gdk_pixbuf_loader_get_format [Gdk-pixbuf]
gdk_pixbuf_loader_get_pixbuf [Gdk-pixbuf]	gdk_pixbuf_loader_get_type [Gdk-pixbuf]
gdk_pixbuf_loader_new [Gdk-pixbuf]	gdk_pixbuf_loader_new_with_mime_type [Gdk-pixbuf]
gdk_pixbuf_loader_new_with_type [Gdk-pixbuf]	gdk_pixbuf_loader_set_size [Gdk-pixbuf]
gdk_pixbuf_loader_write [Gdk-	gdk_pixbuf_new [Gdk-pixbuf]

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pixbuf]	
gdk_pixbuf_new_from_data [Gdk-pixbuf]	gdk_pixbuf_new_from_file [Gdk-pixbuf]
gdk_pixbuf_new_from_file_at_scale [Gdk-pixbuf]	gdk_pixbuf_new_from_file_at_size [Gdk-pixbuf]
gdk_pixbuf_new_from_inline [Gdk-pixbuf]	gdk_pixbuf_new_from_xpm_data [Gdk-pixbuf]
gdk_pixbuf_new_subpixbuf [Gdk-pixbuf]	gdk_pixbuf_rotate_simple [Gdk-pixbuf]
gdk_pixbuf_rotation_get_type [Gdk-pixbuf]	gdk_pixbuf_saturate_and_pixelate [Gdk-pixbuf]
gdk_pixbuf_save [Gdk-pixbuf]	gdk_pixbuf_save_to_buffer [Gdk-pixbuf]
gdk_pixbuf_save_to_bufferv [Gdk-pixbuf]	gdk_pixbuf_save_to_callback [Gdk-pixbuf]
gdk_pixbuf_save_to_callbackv [Gdk-pixbuf]	gdk_pixbuf_savev [Gdk-pixbuf]
gdk_pixbuf_scale [Gdk-pixbuf]	gdk_pixbuf_scale_simple [Gdk-pixbuf]
gdk_pixdata_deserialize [Gdk-pixbuf]	gdk_pixdata_from_pixbuf [Gdk-pixbuf]
gdk_pixdata_serialize [Gdk-pixbuf]	gdk_pixdata_to_csource [Gdk-pixbuf]

An LSB conforming implementation shall provide the generic data interfaces for GDK pixbuf rendering on drawables library specified in Table 12-19, with the full mandatory functionality as described in the referenced underlying specification.

Table 12-19 libgdk_pixbuf-2.0 - GDK pixbuf rendering on drawables library Data Interfaces

gdk_pixbuf_major_version [Gdk-pixbuf]	gdk_pixbuf_micro_version [Gdk-pixbuf]
gdk_pixbuf_minor_version [Gdk-pixbuf]	gdk_pixbuf_version [Gdk-pixbuf]

12.17 Data Definitions for libgdk_pixbuf-2.0

This section defines global identifiers and their values that are associated with interfaces contained in libgdk_pixbuf-2.0. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and application developers should use this ABI to supplement - not to replace - source interface definition specifications.

This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

12.17.1 gtk-2.0/gdk-pixbuf/gdk-pixbuf.h

```
#define GDK_TYPE_PIXBUF_ANIMATION_ITER   \
        (gdk_pixbuf_animation_iter_get_type ())
#define GDK_PIXBUF_LOADER_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GDK_TYPE_PIXBUF_LOADER, \
        GdkPixbufLoaderClass))
#define GDK_IS_PIXBUF_LOADER_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GDK_TYPE_PIXBUF_LOADER))
#define GDK_PIXBUF_LOADER(obj)   \
        (G_TYPE_CHECK_INSTANCE_CAST                       ((obj),
GDK_TYPE_PIXBUF_LOADER, \
        GdkPixbufLoader))
#define GDK_PIXBUF(object)       \
        (G_TYPE_CHECK_INSTANCE_CAST  ((object),  GDK_TYPE_PIXBUF,
GdkPixbuf))
#define GDK_PIXBUF_ANIMATION(object)     \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
GDK_TYPE_PIXBUF_ANIMATION, \
        GdkPixbufAnimation))
#define GDK_PIXBUF_ANIMATION_ITER(object)        \
        (G_TYPE_CHECK_INSTANCE_CAST ((object), \
        GDK_TYPE_PIXBUF_ANIMATION_ITER, GdkPixbufAnimationIter))
#define GDK_IS_PIXBUF_LOADER(obj)        \
        (G_TYPE_CHECK_INSTANCE_TYPE                       ((obj),
GDK_TYPE_PIXBUF_LOADER))
#define GDK_IS_PIXBUF(object)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((object), GDK_TYPE_PIXBUF))
#define GDK_IS_PIXBUF_ANIMATION(object)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                     ((object),
GDK_TYPE_PIXBUF_ANIMATION))
#define GDK_IS_PIXBUF_ANIMATION_ITER(object)     \
        (G_TYPE_CHECK_INSTANCE_TYPE ((object), \
        GDK_TYPE_PIXBUF_ANIMATION_ITER))
#define GDK_PIXBUF_LOADER_GET_CLASS(obj)         \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GDK_TYPE_PIXBUF_LOADER, \
        GdkPixbufLoaderClass))
#define GDK_PIXBUF_MICRO        (10)
#define GDK_PIXBUF_MAJOR        (2)
#define GDK_PIXBUF_MINOR        (6)
#define GDK_TYPE_COLORSPACE     (gdk_colorspace_get_type())
#define GDK_TYPE_INTERP_TYPE    (gdk_interp_type_get_type())
#define                                 GDK_TYPE_PIXBUF_ALPHA_MODE
(gdk_pixbuf_alpha_mode_get_type())
#define                                  GDK_TYPE_PIXBUF_ANIMATION
(gdk_pixbuf_animation_get_type ())
#define GDK_TYPE_PIXBUF_ERROR   (gdk_pixbuf_error_get_type())
#define GDK_TYPE_PIXBUF (gdk_pixbuf_get_type ())
#define GDK_TYPE_PIXBUF_LOADER  (gdk_pixbuf_loader_get_type ())
```

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```
#define                                    GDK_TYPE_PIXBUF_ROTATION
(gdk_pixbuf_rotation_get_type())
#define GDK_PIXBUF_VERSION      "2.6.10"
#define GDK_PIXBUF_VAR  extern
#define GDK_PIXBUF_ERROR        gdk_pixbuf_error_quark ()

typedef struct _GdkPixbuf
 GdkPixbuf;
typedef  gboolean(*GdkPixbufSaveFunc)  (const  gchar  *,  gsize,
GError * *,
                                    gpointer);
typedef struct _GdkPixbufLoader {
    GObject parent_instance;
    gpointer priv;
} GdkPixbufLoader;
typedef struct _GdkPixbufFormat GdkPixbufFormat;
typedef enum {
    GDK_INTERP_NEAREST = 0,
    GDK_INTERP_TILES = 1,
    GDK_INTERP_BILINEAR = 2,
    GDK_INTERP_HYPER = 3
} GdkInterpType;
typedef enum {
    GDK_COLORSPACE_RGB = 0
} GdkColorspace;
typedef void (*GdkPixbufDestroyNotify) (guchar *, gpointer);
typedef struct _GdkPixbufAnimationIter GdkPixbufAnimationIter;
typedef struct _GdkPixbufAnimation GdkPixbufAnimation;
typedef enum {
    GDK_PIXBUF_ROTATE_NONE = 0,
    GDK_PIXBUF_ROTATE_COUNTERCLOCKWISE = 90,
    GDK_PIXBUF_ROTATE_UPSIDEDOWN = 180,
    GDK_PIXBUF_ROTATE_CLOCKWISE = 270
} GdkPixbufRotation;
typedef struct _GdkPixbufLoaderClass {
    GObjectClass parent_class;
    void (*size_prepared) (GdkPixbufLoader *, int, int);
    void (*area_prepared) (GdkPixbufLoader *);
    void (*area_updated) (GdkPixbufLoader *, int, int, int, int);
    void (*closed) (GdkPixbufLoader *);
} GdkPixbufLoaderClass;
typedef enum {
    GDK_PIXBUF_ERROR_CORRUPT_IMAGE,
    GDK_PIXBUF_ERROR_INSUFFICIENT_MEMORY,
    GDK_PIXBUF_ERROR_BAD_OPTION,
    GDK_PIXBUF_ERROR_UNKNOWN_TYPE,
    GDK_PIXBUF_ERROR_UNSUPPORTED_OPERATION,
    GDK_PIXBUF_ERROR_FAILED
} GdkPixbufError;
typedef enum {
    GDK_PIXBUF_ALPHA_BILEVEL,
    GDK_PIXBUF_ALPHA_FULL
} GdkPixbufAlphaMode;
extern gboolean gdk_pixbuf_save_to_callbackv(GdkPixbuf *,
                                             GdkPixbufSaveFunc,
gpointer,
                                             const  char  *,  char
**,
                                             char  **,  GError  *
*);
extern  gboolean  gdk_pixbuf_save_to_bufferv(GdkPixbuf  *,  gchar  *
*, gsize *,
                                            const char *, char **,
char **,
                                            GError * *);
```

```
extern GdkPixbuf *gdk_pixbuf_new_from_file_at_scale(const char *,
int, int,
                                                    gboolean,
GError * *);
extern   GdkPixbufLoader   *gdk_pixbuf_loader_new_with_type(const
char *,
                                                        GError   *
*);
extern GSList *gdk_pixbuf_get_formats(void);
extern guchar *gdk_pixbuf_get_pixels(const GdkPixbuf *);
extern const guint gdk_pixbuf_minor_version;
extern  void  gdk_pixbuf_format_set_disabled(GdkPixbufFormat  *,
gboolean);
extern gboolean gdk_pixbuf_format_is_scalable(GdkPixbufFormat *);
extern int gdk_pixbuf_get_n_channels(const GdkPixbuf *);
extern GdkPixbuf *gdk_pixbuf_scale_simple(const GdkPixbuf *, int,
int,
                                          GdkInterpType);
extern   GdkPixbuf   *gdk_pixbuf_new_from_data(const   guchar   *,
GdkColorspace,
                                           gboolean,   int,   int,
int, int,

GdkPixbufDestroyNotify,
                                           gpointer);
extern gboolean gdk_pixbuf_loader_close(GdkPixbufLoader *, GError
* *);
extern GType gdk_pixbuf_animation_get_type(void);
extern gboolean gdk_pixbuf_save_to_buffer(GdkPixbuf *, gchar * *,
gsize *,
                                          const  char  *,  GError  *
*, ...);
extern GType gdk_interp_type_get_type(void);
extern  GdkPixbuf  *gdk_pixbuf_new_from_file_at_size(const  char  *,
int, int,
                                                     GError * *);
extern GdkPixbuf *gdk_pixbuf_new_from_xpm_data(const char **);
extern GdkPixbufLoader *gdk_pixbuf_loader_new(void);
extern    gboolean    gdk_pixbuf_save_to_callback(GdkPixbuf    *,
GdkPixbufSaveFunc,
                                            gpointer,  const  char
*,
                                            GError * *, ...);
extern   GdkPixbuf   *gdk_pixbuf_add_alpha(const   GdkPixbuf   *,
gboolean, guchar,
                                       guchar, guchar);
extern                                                   gboolean
gdk_pixbuf_animation_iter_advance(GdkPixbufAnimationIter *,
                                                  const   GTimeVal
*);
extern void gdk_pixbuf_saturate_and_pixelate(const GdkPixbuf *,
                                             GdkPixbuf *, gfloat,
                                             gboolean);
extern GType gdk_pixbuf_animation_iter_get_type(void);
extern int gdk_pixbuf_get_bits_per_sample(const GdkPixbuf *);
extern  GdkPixbuf  *gdk_pixbuf_new_from_inline(gint,  const  guint8
*,
                                             gboolean,   GError   *
*);
extern const guint gdk_pixbuf_major_version;
extern                                                    GdkPixbuf
*gdk_pixbuf_animation_get_static_image(GdkPixbufAnimation
                                                         *);
extern const guint gdk_pixbuf_micro_version;
extern int gdk_pixbuf_get_height(const GdkPixbuf *);
extern GdkPixbuf *gdk_pixbuf_flip(const GdkPixbuf *, gboolean);
```

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```
extern GdkPixbufAnimationIter
    *gdk_pixbuf_animation_get_iter(GdkPixbufAnimation   *,   const
GTimeVal *);
extern gboolean
gdk_pixbuf_animation_iter_on_currently_loading_frame(GdkPixbufAni
mationIter
                                                          *);
extern                                          GdkPixbufAnimation
*gdk_pixbuf_loader_get_animation(GdkPixbufLoader
                                                                 *);
extern int gdk_pixbuf_get_rowstride(const GdkPixbuf *);
extern GdkPixbuf *gdk_pixbuf_new_from_file(const char *, GError *
*);
extern  void  gdk_pixbuf_loader_set_size(GdkPixbufLoader  *,  gint,
gint);
extern GType gdk_pixbuf_loader_get_type(void);
extern     GdkPixbuf     *gdk_pixbuf_composite_color_simple(const
GdkPixbuf *, int,
                                                      int,
GdkInterpType,
                                                      int,      int,
guint32,
                                                      guint32);
extern gboolean gdk_pixbuf_save(GdkPixbuf *, const char *, const
char *,
                                GError * *, ...);
extern GdkPixbuf *gdk_pixbuf_new_subpixbuf(GdkPixbuf *, int, int,
int,
                                           int);
extern gchar *gdk_pixbuf_format_get_license(GdkPixbufFormat *);
extern                                          GdkPixbufAnimation
*gdk_pixbuf_animation_new_from_file(const char *,

GError * *);
extern void gdk_pixbuf_fill(GdkPixbuf *, guint32);
extern   void   gdk_pixbuf_composite_color(const   GdkPixbuf   *,
GdkPixbuf *, int,
                                        int,   int,   int,   double,
double,
                                        double,             double,
GdkInterpType, int,
                                        int,  int,  int,  guint32,
guint32);
extern void gdk_pixbuf_composite(const GdkPixbuf *, GdkPixbuf *,
int, int,
                                 int,    int,    double,    double,
double, double,
                                 GdkInterpType, int);
extern int gdk_pixbuf_animation_get_width(GdkPixbufAnimation *);
extern                                                   gboolean
gdk_pixbuf_animation_is_static_image(GdkPixbufAnimation *);
extern void gdk_pixbuf_scale(const GdkPixbuf *, GdkPixbuf *, int,
int, int,
                             int, double, double, double, double,
                             GdkInterpType);
extern GdkPixbuf
    *gdk_pixbuf_animation_iter_get_pixbuf(GdkPixbufAnimationIter
*);
extern const char *gdk_pixbuf_version;
extern gchar *gdk_pixbuf_format_get_name(GdkPixbufFormat *);
extern   gchar   **gdk_pixbuf_format_get_mime_types(GdkPixbufFormat
*);
extern GType gdk_pixbuf_rotation_get_type(void);
extern GType gdk_colorspace_get_type(void);
extern                                          GdkPixbufFormat
*gdk_pixbuf_loader_get_format(GdkPixbufLoader *);
```

```
extern GType gdk_pixbuf_alpha_mode_get_type(void);
extern gboolean gdk_pixbuf_format_is_disabled(GdkPixbufFormat *);
extern GdkPixbuf *gdk_pixbuf_rotate_simple(const GdkPixbuf *,
                                           GdkPixbufRotation);
extern  void  gdk_pixbuf_copy_area(const  GdkPixbuf  *,  int,  int,
int, int,
                                GdkPixbuf *, int, int);
extern GQuark gdk_pixbuf_error_quark(void);
extern gboolean gdk_pixbuf_format_is_writable(GdkPixbufFormat *);
extern GType gdk_pixbuf_get_type(void);
extern  GdkPixbufFormat  *gdk_pixbuf_get_file_info(const  gchar  *,
gint *,
                                                   gint *);
extern GdkPixbuf *gdk_pixbuf_copy(const GdkPixbuf *);
extern gboolean gdk_pixbuf_savev(GdkPixbuf *, const char *, const
char *,
                                char **, char **, GError * *);
extern   gchar   *gdk_pixbuf_format_get_description(GdkPixbufFormat
*);
extern   GdkPixbuf   *gdk_pixbuf_loader_get_pixbuf(GdkPixbufLoader
*);
extern  gboolean  gdk_pixbuf_loader_write(GdkPixbufLoader  *,  const
guchar *,
                                        gsize, GError * *);
extern int gdk_pixbuf_animation_get_height(GdkPixbufAnimation *);
extern int gdk_pixbuf_get_width(const GdkPixbuf *);
extern  GdkPixbuf  *gdk_pixbuf_new(GdkColorspace,  gboolean,  int,
int, int);
extern   gchar   **gdk_pixbuf_format_get_extensions(GdkPixbufFormat
*);
extern  GdkColorspace  gdk_pixbuf_get_colorspace(const  GdkPixbuf
*);
extern                                              GdkPixbufLoader
*gdk_pixbuf_loader_new_with_mime_type(const char *,

GError * *);
extern GType gdk_pixbuf_error_get_type(void);
extern gboolean gdk_pixbuf_get_has_alpha(const GdkPixbuf *);
extern  const  gchar  *gdk_pixbuf_get_option(GdkPixbuf  *,  const
gchar *);
extern                                                          int
gdk_pixbuf_animation_iter_get_delay_time(GdkPixbufAnimationIter
                                                      *);
```

12.17.2 gtk-2.0/gdk-pixbuf/gdk-pixdata.h

```
#define GDK_PIXBUF_MAGIC_NUMBER (0x47646b50)
#define GDK_PIXDATA_HEADER_LENGTH       (4 + 4 + 4 + 4 + 4 + 4)

typedef struct _GdkPixdata {
    guint32 magic;
    gint32 length;
    guint32 pixdata_type;
    guint32 rowstride;
    guint32 width;
    guint32 height;
    guint8 *pixel_data;
} GdkPixdata;
typedef enum {
    GDK_PIXDATA_DUMP_PIXDATA_STREAM = 0,
    GDK_PIXDATA_DUMP_PIXDATA_STRUCT = 1,
    GDK_PIXDATA_DUMP_MACROS = 2,
    GDK_PIXDATA_DUMP_GTYPES = 0,
    GDK_PIXDATA_DUMP_CTYPES = 256,
    GDK_PIXDATA_DUMP_STATIC = 512,
```

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```
    GDK_PIXDATA_DUMP_CONST = 1024,
    GDK_PIXDATA_DUMP_RLE_DECODER = 65536
} GdkPixdataDumpType;
typedef enum {
    GDK_PIXDATA_COLOR_TYPE_RGB = 0x01,
    GDK_PIXDATA_COLOR_TYPE_RGBA = 0x02,
    GDK_PIXDATA_COLOR_TYPE_MASK = 0xff,
    GDK_PIXDATA_SAMPLE_WIDTH_8 = 0x01 << 16,
    GDK_PIXDATA_SAMPLE_WIDTH_MASK = 0x0f << 16,
    GDK_PIXDATA_ENCODING_RAW = 0x01 << 24,
    GDK_PIXDATA_ENCODING_RLE = 0x02 << 24,
    GDK_PIXDATA_ENCODING_MASK = 0x0f << 24
} GdkPixdataType;
extern gboolean gdk_pixdata_deserialize(GdkPixdata *, guint,
                                        const guint8 *, GError *
*);
extern gpointer gdk_pixdata_from_pixbuf(GdkPixdata *, const
GdkPixbuf *,
                                        gboolean);
extern guint8 *gdk_pixdata_serialize(const GdkPixdata *, guint
*);
extern GString *gdk_pixdata_to_csource(GdkPixdata *, const gchar
*,
                                       GdkPixdataDumpType);
extern GdkPixbuf *gdk_pixbuf_from_pixdata(const GdkPixdata *,
gboolean,
                                          GError * *);
```

12.18 Interfaces for libgdk_pixbuf_xlib-2.0

Table 12-20 defines the library name and shared object name for the libgdk_pixbuf_xlib-2.0 library

Table 12-20 libgdk_pixbuf_xlib-2.0 Definition

Library:	libgdk_pixbuf_xlib-2.0
SONAME:	libgdk_pixbuf_xlib-2.0.so.0

The behavior of the interfaces in this library is specified by the following specifications:

[Gdk-pixbuf] Gdk-pixbuf 2.6.2 Reference Manual

12.18.1 GDK pixbuf rendering to an X drawable library

12.18.1.1 Interfaces for GDK pixbuf rendering to an X drawable library

An LSB conforming implementation shall provide the generic functions for GDK pixbuf rendering to an X drawable library specified in Table 12-21, with the full mandatory functionality as described in the referenced underlying specification.

Table 12-21 libgdk_pixbuf_xlib-2.0 - GDK pixbuf rendering to an X drawable library Function Interfaces

gdk_pixbuf_xlib_get_from_drawable [Gdk-pixbuf]	gdk_pixbuf_xlib_init [Gdk-pixbuf]
gdk_pixbuf_xlib_init_with_depth [Gdk-pixbuf]	gdk_pixbuf_xlib_render_pixmap_and_mask [Gdk-pixbuf]

gdk_pixbuf_xlib_render_threshold_alpha [Gdk-pixbuf]	gdk_pixbuf_xlib_render_to_drawable [Gdk-pixbuf]
gdk_pixbuf_xlib_render_to_drawable_alpha [Gdk-pixbuf]	xlib_draw_gray_image [Gdk-pixbuf]
xlib_draw_indexed_image [Gdk-pixbuf]	xlib_draw_rgb_32_image [Gdk-pixbuf]
xlib_draw_rgb_image [Gdk-pixbuf]	xlib_draw_rgb_image_dithalign [Gdk-pixbuf]
xlib_rgb_cmap_free [Gdk-pixbuf]	xlib_rgb_cmap_new [Gdk-pixbuf]
xlib_rgb_ditherable [Gdk-pixbuf]	xlib_rgb_gc_set_background [Gdk-pixbuf]
xlib_rgb_gc_set_foreground [Gdk-pixbuf]	xlib_rgb_get_cmap [Gdk-pixbuf]
xlib_rgb_get_depth [Gdk-pixbuf]	xlib_rgb_get_display [Gdk-pixbuf]
xlib_rgb_get_screen [Gdk-pixbuf]	xlib_rgb_get_visual [Gdk-pixbuf]
xlib_rgb_get_visual_info [Gdk-pixbuf]	xlib_rgb_init [Gdk-pixbuf]
xlib_rgb_init_with_depth [Gdk-pixbuf]	xlib_rgb_set_install [Gdk-pixbuf]
xlib_rgb_set_min_colors [Gdk-pixbuf]	xlib_rgb_set_verbose [Gdk-pixbuf]
xlib_rgb_xpixel_from_rgb [Gdk-pixbuf]	

12.19 Data Definitions for libgdk_pixbuf_xlib-2.0

This section defines global identifiers and their values that are associated with interfaces contained in libgdk_pixbuf_xlib-2.0. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and application developers should use this ABI to supplement - not to replace - source interface definition specifications.

This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

12.19.1 gtk-2.0/gdk-pixbuf-xlib/gdk-pixbuf-xlib.h

```
typedef enum {
```

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```
    XLIB_RGB_DITHER_NONE = 0,
    XLIB_RGB_DITHER_NORMAL = 1,
    XLIB_RGB_DITHER_MAX = 2
} XlibRgbDither;
typedef struct _XlibRgbCmap {
    unsigned int colors[256];
    unsigned char lut[256];
} XlibRgbCmap;
extern void gdk_pixbuf_xlib_init_with_depth(Display *, int, int);
extern Visual *xlib_rgb_get_visual(void);
extern   void   gdk_pixbuf_xlib_render_to_drawable(GdkPixbuf   *,
Drawable, GC,
                                                int,   int,   int,
int, int,
                                                int,
XlibRgbDither, int,
                                                int);
extern  GdkPixbuf  *gdk_pixbuf_xlib_get_from_drawable(GdkPixbuf  *,
Drawable,
                                                     Colormap,
Visual *,
                                                     int,      int,
int, int,
                                                     int, int);
extern XVisualInfo *xlib_rgb_get_visual_info(void);
extern void xlib_rgb_set_install(int);
extern void xlib_rgb_cmap_free(XlibRgbCmap *);
extern int xlib_rgb_get_depth(void);
extern long unsigned int xlib_rgb_xpixel_from_rgb(guint32);
extern void xlib_rgb_gc_set_foreground(GC, guint32);
extern void xlib_rgb_set_verbose(int);
extern int xlib_rgb_ditherable(void);
extern void xlib_rgb_set_min_colors(int);
extern  void  gdk_pixbuf_xlib_render_threshold_alpha(GdkPixbuf  *,
Pixmap,
                                                    int,  int,  int,
int, int,
                                                    int, int);
extern Display *xlib_rgb_get_display(void);
extern void xlib_rgb_init(Display *, Screen *);
extern void gdk_pixbuf_xlib_init(Display *, int);
extern Screen *xlib_rgb_get_screen(void);
extern Colormap xlib_rgb_get_cmap(void);
extern  void  xlib_draw_gray_image(Drawable,  GC,  int,  int,  int,
int,
                                XlibRgbDither,  unsigned  char  *,
int);
extern  void  xlib_draw_indexed_image(Drawable,  GC,  int,  int,  int,
int,
                                   XlibRgbDither,  unsigned  char
*, int,
                                   XlibRgbCmap *);
extern XlibRgbCmap *xlib_rgb_cmap_new(guint32 *, int);
extern  void  xlib_draw_rgb_32_image(Drawable,  GC,  int,  int,  int,
int,
                                  XlibRgbDither,   unsigned   char
*, int);
extern void xlib_draw_rgb_image_dithalign(Drawable, GC, int, int,
int, int,
                                          XlibRgbDither,  unsigned
char *,
                                          int, int, int);
extern void xlib_rgb_gc_set_background(GC, guint32);
extern  void  gdk_pixbuf_xlib_render_pixmap_and_mask(GdkPixbuf  *,
Pixmap *,
```

```
                                                        Pixmap       *,
int);
extern void gdk_pixbuf_xlib_render_to_drawable_alpha(GdkPixbuf *,
Drawable,
                                                          int,     int,
int, int,
                                                          int, int,

GdkPixbufAlphaMode,
                                                          int,
XlibRgbDither,
                                                          int, int);
extern void xlib_draw_rgb_image(Drawable, GC, int, int, int, int,
                                XlibRgbDither,  unsigned  char  *,
int);
extern void xlib_rgb_init_with_depth(Display *, Screen *, int);
```

12.20 Interfaces for libgdk-x11-2.0

Table 12-22 defines the library name and shared object name for the libgdk-x11-2.0 library

Table 12-22 libgdk-x11-2.0 Definition

Library:	libgdk-x11-2.0
SONAME:	libgdk-x11-2.0.so.0

The behavior of the interfaces in this library is specified by the following specifications:

[Gdk] Gdk 2.6.2 Reference Manual

12.20.1 GTK Drawing toolkit

12.20.1.1 Interfaces for GTK Drawing toolkit

An LSB conforming implementation shall provide the generic functions for GTK Drawing toolkit specified in Table 12-23, with the full mandatory functionality as described in the referenced underlying specification.

Table 12-23 libgdk-x11-2.0 - GTK Drawing toolkit Function Interfaces

gdk_add_client_message_filter [Gdk]	gdk_atom_intern [Gdk]
gdk_atom_name [Gdk]	gdk_axis_use_get_type [Gdk]
gdk_beep [Gdk]	gdk_bitmap_create_from_data [Gdk]
gdk_byte_order_get_type [Gdk]	gdk_cap_style_get_type [Gdk]
gdk_color_copy [Gdk]	gdk_color_equal [Gdk]
gdk_color_free [Gdk]	gdk_color_get_type [Gdk]
gdk_color_hash [Gdk]	gdk_color_parse [Gdk]
gdk_colormap_alloc_color [Gdk]	gdk_colormap_alloc_colors [Gdk]
gdk_colormap_free_colors [Gdk]	gdk_colormap_get_screen [Gdk]
gdk_colormap_get_system [Gdk]	gdk_colormap_get_type [Gdk]
gdk_colormap_get_visual [Gdk]	gdk_colormap_new [Gdk]

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gdk_colormap_query_color [Gdk]	gdk_crossing_mode_get_type [Gdk]
gdk_cursor_get_display [Gdk]	gdk_cursor_get_type [Gdk]
gdk_cursor_new [Gdk]	gdk_cursor_new_for_display [Gdk]
gdk_cursor_new_from_pixbuf [Gdk]	gdk_cursor_new_from_pixmap [Gdk]
gdk_cursor_ref [Gdk]	gdk_cursor_type_get_type [Gdk]
gdk_cursor_unref [Gdk]	gdk_device_free_history [Gdk]
gdk_device_get_axis [Gdk]	gdk_device_get_core_pointer [Gdk]
gdk_device_get_history [Gdk]	gdk_device_get_state [Gdk]
gdk_device_get_type [Gdk]	gdk_device_set_axis_use [Gdk]
gdk_device_set_key [Gdk]	gdk_device_set_mode [Gdk]
gdk_device_set_source [Gdk]	gdk_devices_list [Gdk]
gdk_display_add_client_message_filter [Gdk]	gdk_display_beep [Gdk]
gdk_display_close [Gdk]	gdk_display_flush [Gdk]
gdk_display_get_core_pointer [Gdk]	gdk_display_get_default [Gdk]
gdk_display_get_default_cursor_size [Gdk]	gdk_display_get_default_group [Gdk]
gdk_display_get_default_screen [Gdk]	gdk_display_get_event [Gdk]
gdk_display_get_maximal_cursor_size [Gdk]	gdk_display_get_n_screens [Gdk]
gdk_display_get_name [Gdk]	gdk_display_get_pointer [Gdk]
gdk_display_get_screen [Gdk]	gdk_display_get_type [Gdk]
gdk_display_get_window_at_pointer [Gdk]	gdk_display_keyboard_ungrab [Gdk]
gdk_display_list_devices [Gdk]	gdk_display_manager_get [Gdk]
gdk_display_manager_get_default_display [Gdk]	gdk_display_manager_get_type [Gdk]
gdk_display_manager_list_displays [Gdk]	gdk_display_manager_set_default_display [Gdk]
gdk_display_open [Gdk]	gdk_display_peek_event [Gdk]
gdk_display_pointer_is_grabbed [Gdk]	gdk_display_pointer_ungrab [Gdk]
gdk_display_put_event [Gdk]	gdk_display_request_selection_notification [Gdk]
gdk_display_set_double_click_distance [Gdk]	gdk_display_set_double_click_time [Gdk]

gdk_display_set_pointer_hooks [Gdk]	gdk_display_store_clipboard [Gdk]
gdk_display_supports_clipboard_persistence [Gdk]	gdk_display_supports_cursor_alpha [Gdk]
gdk_display_supports_cursor_color [Gdk]	gdk_display_supports_selection_notification [Gdk]
gdk_display_sync [Gdk]	gdk_drag_abort [Gdk]
gdk_drag_action_get_type [Gdk]	gdk_drag_begin [Gdk]
gdk_drag_context_get_type [Gdk]	gdk_drag_context_new [Gdk]
gdk_drag_drop [Gdk]	gdk_drag_drop_succeeded [Gdk]
gdk_drag_find_window [Gdk]	gdk_drag_find_window_for_screen [Gdk]
gdk_drag_get_protocol [Gdk]	gdk_drag_get_protocol_for_display [Gdk]
gdk_drag_get_selection [Gdk]	gdk_drag_motion [Gdk]
gdk_drag_protocol_get_type [Gdk]	gdk_drag_status [Gdk]
gdk_draw_arc [Gdk]	gdk_draw_drawable [Gdk]
gdk_draw_glyphs [Gdk]	gdk_draw_glyphs_transformed [Gdk]
gdk_draw_gray_image [Gdk]	gdk_draw_image [Gdk]
gdk_draw_indexed_image [Gdk]	gdk_draw_layout [Gdk]
gdk_draw_layout_line [Gdk]	gdk_draw_layout_line_with_colors [Gdk]
gdk_draw_layout_with_colors [Gdk]	gdk_draw_line [Gdk]
gdk_draw_lines [Gdk]	gdk_draw_pixbuf [Gdk]
gdk_draw_point [Gdk]	gdk_draw_points [Gdk]
gdk_draw_polygon [Gdk]	gdk_draw_rectangle [Gdk]
gdk_draw_rgb_32_image [Gdk]	gdk_draw_rgb_32_image_dithalign [Gdk]
gdk_draw_rgb_image [Gdk]	gdk_draw_rgb_image_dithalign [Gdk]
gdk_draw_segments [Gdk]	gdk_draw_trapezoids [Gdk]
gdk_drawable_copy_to_image [Gdk]	gdk_drawable_get_clip_region [Gdk]
gdk_drawable_get_colormap [Gdk]	gdk_drawable_get_depth [Gdk]
gdk_drawable_get_display [Gdk]	gdk_drawable_get_image [Gdk]
gdk_drawable_get_screen [Gdk]	gdk_drawable_get_size [Gdk]
gdk_drawable_get_type [Gdk]	gdk_drawable_get_visible_region [Gdk]

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gdk_drawable_get_visual [Gdk]	gdk_drawable_set_colormap [Gdk]
gdk_drop_finish [Gdk]	gdk_drop_reply [Gdk]
gdk_error_trap_pop [Gdk]	gdk_error_trap_push [Gdk]
gdk_event_copy [Gdk]	gdk_event_free [Gdk]
gdk_event_get [Gdk]	gdk_event_get_axis [Gdk]
gdk_event_get_coords [Gdk]	gdk_event_get_graphics_expose [Gdk]
gdk_event_get_root_coords [Gdk]	gdk_event_get_screen [Gdk]
gdk_event_get_state [Gdk]	gdk_event_get_time [Gdk]
gdk_event_get_type [Gdk]	gdk_event_handler_set [Gdk]
gdk_event_mask_get_type [Gdk]	gdk_event_new [Gdk]
gdk_event_peek [Gdk]	gdk_event_put [Gdk]
gdk_event_send_client_message [Gdk]	gdk_event_send_client_message_for _display [Gdk]
gdk_event_send_clientmessage_toall [Gdk]	gdk_event_set_screen [Gdk]
gdk_event_type_get_type [Gdk]	gdk_events_pending [Gdk]
gdk_extension_mode_get_type [Gdk]	gdk_fill_get_type [Gdk]
gdk_fill_rule_get_type [Gdk]	gdk_filter_return_get_type [Gdk]
gdk_flush [Gdk]	gdk_font_type_get_type [Gdk]
gdk_free_compound_text [Gdk]	gdk_free_text_list [Gdk]
gdk_function_get_type [Gdk]	gdk_gc_copy [Gdk]
gdk_gc_get_colormap [Gdk]	gdk_gc_get_screen [Gdk]
gdk_gc_get_type [Gdk]	gdk_gc_get_values [Gdk]
gdk_gc_new [Gdk]	gdk_gc_new_with_values [Gdk]
gdk_gc_offset [Gdk]	gdk_gc_set_background [Gdk]
gdk_gc_set_clip_mask [Gdk]	gdk_gc_set_clip_origin [Gdk]
gdk_gc_set_clip_rectangle [Gdk]	gdk_gc_set_clip_region [Gdk]
gdk_gc_set_colormap [Gdk]	gdk_gc_set_dashes [Gdk]
gdk_gc_set_exposures [Gdk]	gdk_gc_set_fill [Gdk]
gdk_gc_set_foreground [Gdk]	gdk_gc_set_function [Gdk]
gdk_gc_set_line_attributes [Gdk]	gdk_gc_set_rgb_bg_color [Gdk]
gdk_gc_set_rgb_fg_color [Gdk]	gdk_gc_set_stipple [Gdk]
gdk_gc_set_subwindow [Gdk]	gdk_gc_set_tile [Gdk]
gdk_gc_set_ts_origin [Gdk]	gdk_gc_set_values [Gdk]
gdk_gc_values_mask_get_type [Gdk]	gdk_get_default_root_window [Gdk]

gdk_get_display [Gdk]	gdk_get_display_arg_name [Gdk]
gdk_get_program_class [Gdk]	gdk_get_show_events [Gdk]
gdk_grab_status_get_type [Gdk]	gdk_gravity_get_type [Gdk]
gdk_image_get_colormap [Gdk]	gdk_image_get_pixel [Gdk]
gdk_image_get_type [Gdk]	gdk_image_new [Gdk]
gdk_image_put_pixel [Gdk]	gdk_image_set_colormap [Gdk]
gdk_image_type_get_type [Gdk]	gdk_init [Gdk]
gdk_init_check [Gdk]	gdk_input_condition_get_type [Gdk]
gdk_input_mode_get_type [Gdk]	gdk_input_set_extension_events [Gdk]
gdk_input_source_get_type [Gdk]	gdk_join_style_get_type [Gdk]
gdk_keyboard_grab [Gdk]	gdk_keyboard_ungrab [Gdk]
gdk_keymap_get_default [Gdk]	gdk_keymap_get_direction [Gdk]
gdk_keymap_get_entries_for_keycode [Gdk]	gdk_keymap_get_entries_for_keyval [Gdk]
gdk_keymap_get_for_display [Gdk]	gdk_keymap_get_type [Gdk]
gdk_keymap_lookup_key [Gdk]	gdk_keymap_translate_keyboard_state [Gdk]
gdk_keyval_convert_case [Gdk]	gdk_keyval_from_name [Gdk]
gdk_keyval_is_lower [Gdk]	gdk_keyval_is_upper [Gdk]
gdk_keyval_name [Gdk]	gdk_keyval_to_lower [Gdk]
gdk_keyval_to_unicode [Gdk]	gdk_keyval_to_upper [Gdk]
gdk_line_style_get_type [Gdk]	gdk_list_visuals [Gdk]
gdk_modifier_type_get_type [Gdk]	gdk_net_wm_supports [Gdk]
gdk_notify_startup_complete [Gdk]	gdk_notify_type_get_type [Gdk]
gdk_overlap_type_get_type [Gdk]	gdk_owner_change_get_type [Gdk]
gdk_pango_attr_embossed_new [Gdk]	gdk_pango_attr_stipple_new [Gdk]
gdk_pango_context_get [Gdk]	gdk_pango_context_get_for_screen [Gdk]
gdk_pango_layout_get_clip_region [Gdk]	gdk_pango_layout_line_get_clip_region [Gdk]
gdk_pango_renderer_get_default [Gdk]	gdk_pango_renderer_get_type [Gdk]
gdk_pango_renderer_new [Gdk]	gdk_pango_renderer_set_drawable [Gdk]
gdk_pango_renderer_set_gc [Gdk]	gdk_pango_renderer_set_override_color [Gdk]

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gdk_pango_renderer_set_stipple [Gdk]	gdk_parse_args [Gdk]
gdk_pixbuf_get_from_drawable [Gdk]	gdk_pixbuf_get_from_image [Gdk]
gdk_pixbuf_render_pixmap_and_mask [Gdk]	gdk_pixbuf_render_pixmap_and_mask_for_colormap [Gdk]
gdk_pixbuf_render_threshold_alpha [Gdk]	gdk_pixmap_colormap_create_from_xpm [Gdk]
gdk_pixmap_colormap_create_from_xpm_d [Gdk]	gdk_pixmap_create_from_data [Gdk]
gdk_pixmap_create_from_xpm [Gdk]	gdk_pixmap_create_from_xpm_d [Gdk]
gdk_pixmap_foreign_new [Gdk]	gdk_pixmap_foreign_new_for_display [Gdk]
gdk_pixmap_get_type [Gdk]	gdk_pixmap_lookup [Gdk]
gdk_pixmap_lookup_for_display [Gdk]	gdk_pixmap_new [Gdk]
gdk_pointer_grab [Gdk]	gdk_pointer_is_grabbed [Gdk]
gdk_pointer_ungrab [Gdk]	gdk_prop_mode_get_type [Gdk]
gdk_property_change [Gdk]	gdk_property_delete [Gdk]
gdk_property_get [Gdk]	gdk_property_state_get_type [Gdk]
gdk_query_depths [Gdk]	gdk_query_visual_types [Gdk]
gdk_rectangle_get_type [Gdk]	gdk_rectangle_intersect [Gdk]
gdk_rectangle_union [Gdk]	gdk_region_copy [Gdk]
gdk_region_destroy [Gdk]	gdk_region_empty [Gdk]
gdk_region_equal [Gdk]	gdk_region_get_clipbox [Gdk]
gdk_region_get_rectangles [Gdk]	gdk_region_intersect [Gdk]
gdk_region_new [Gdk]	gdk_region_offset [Gdk]
gdk_region_point_in [Gdk]	gdk_region_polygon [Gdk]
gdk_region_rect_in [Gdk]	gdk_region_rectangle [Gdk]
gdk_region_shrink [Gdk]	gdk_region_spans_intersect_foreach [Gdk]
gdk_region_subtract [Gdk]	gdk_region_union [Gdk]
gdk_region_union_with_rect [Gdk]	gdk_region_xor [Gdk]
gdk_rgb_cmap_free [Gdk]	gdk_rgb_cmap_new [Gdk]
gdk_rgb_colormap_ditherable [Gdk]	gdk_rgb_dither_get_type [Gdk]
gdk_rgb_ditherable [Gdk]	gdk_rgb_find_color [Gdk]
gdk_rgb_get_colormap [Gdk]	gdk_rgb_get_visual [Gdk]

gdk_rgb_set_install [Gdk]	gdk_rgb_set_min_colors [Gdk]
gdk_rgb_set_verbose [Gdk]	gdk_screen_broadcast_client_messag e [Gdk]
gdk_screen_get_default [Gdk]	gdk_screen_get_default_colormap [Gdk]
gdk_screen_get_display [Gdk]	gdk_screen_get_height [Gdk]
gdk_screen_get_height_mm [Gdk]	gdk_screen_get_monitor_at_point [Gdk]
gdk_screen_get_monitor_at_window [Gdk]	gdk_screen_get_monitor_geometry [Gdk]
gdk_screen_get_n_monitors [Gdk]	gdk_screen_get_number [Gdk]
gdk_screen_get_rgb_colormap [Gdk]	gdk_screen_get_rgb_visual [Gdk]
gdk_screen_get_root_window [Gdk]	gdk_screen_get_setting [Gdk]
gdk_screen_get_system_colormap [Gdk]	gdk_screen_get_system_visual [Gdk]
gdk_screen_get_toplevel_windows [Gdk]	gdk_screen_get_type [Gdk]
gdk_screen_get_width [Gdk]	gdk_screen_get_width_mm [Gdk]
gdk_screen_height [Gdk]	gdk_screen_height_mm [Gdk]
gdk_screen_list_visuals [Gdk]	gdk_screen_make_display_name [Gdk]
gdk_screen_set_default_colormap [Gdk]	gdk_screen_width [Gdk]
gdk_screen_width_mm [Gdk]	gdk_scroll_direction_get_type [Gdk]
gdk_selection_convert [Gdk]	gdk_selection_owner_get [Gdk]
gdk_selection_owner_get_for_displa y [Gdk]	gdk_selection_owner_set [Gdk]
gdk_selection_owner_set_for_displa y [Gdk]	gdk_selection_property_get [Gdk]
gdk_selection_send_notify [Gdk]	gdk_selection_send_notify_for_displ ay [Gdk]
gdk_set_double_click_time [Gdk]	gdk_set_locale [Gdk]
gdk_set_pointer_hooks [Gdk]	gdk_set_program_class [Gdk]
gdk_set_show_events [Gdk]	gdk_set_sm_client_id [Gdk]
gdk_setting_action_get_type [Gdk]	gdk_setting_get [Gdk]
gdk_spawn_command_line_on_scree n [Gdk]	gdk_spawn_on_screen [Gdk]
gdk_spawn_on_screen_with_pipes [Gdk]	gdk_status_get_type [Gdk]

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gdk_string_to_compound_text [Gdk]	gdk_string_to_compound_text_for_display [Gdk]
gdk_subwindow_mode_get_type [Gdk]	gdk_synthesize_window_state [Gdk]
gdk_text_property_to_text_list [Gdk]	gdk_text_property_to_text_list_for_display [Gdk]
gdk_text_property_to_utf8_list [Gdk]	gdk_text_property_to_utf8_list_for_display [Gdk]
gdk_threads_enter [Gdk]	gdk_threads_init [Gdk]
gdk_threads_leave [Gdk]	gdk_threads_set_lock_functions [Gdk]
gdk_unicode_to_keyval [Gdk]	gdk_utf8_to_compound_text [Gdk]
gdk_utf8_to_compound_text_for_display [Gdk]	gdk_utf8_to_string_target [Gdk]
gdk_visibility_state_get_type [Gdk]	gdk_visual_get_best [Gdk]
gdk_visual_get_best_depth [Gdk]	gdk_visual_get_best_type [Gdk]
gdk_visual_get_best_with_both [Gdk]	gdk_visual_get_best_with_depth [Gdk]
gdk_visual_get_best_with_type [Gdk]	gdk_visual_get_screen [Gdk]
gdk_visual_get_system [Gdk]	gdk_visual_get_type [Gdk]
gdk_visual_type_get_type [Gdk]	gdk_window_add_filter [Gdk]
gdk_window_at_pointer [Gdk]	gdk_window_attributes_type_get_type [Gdk]
gdk_window_begin_move_drag [Gdk]	gdk_window_begin_paint_rect [Gdk]
gdk_window_begin_paint_region [Gdk]	gdk_window_begin_resize_drag [Gdk]
gdk_window_class_get_type [Gdk]	gdk_window_clear [Gdk]
gdk_window_clear_area [Gdk]	gdk_window_clear_area_e [Gdk]
gdk_window_configure_finished [Gdk]	gdk_window_constrain_size [Gdk]
gdk_window_deiconify [Gdk]	gdk_window_destroy [Gdk]
gdk_window_destroy_notify [Gdk]	gdk_window_edge_get_type [Gdk]
gdk_window_enable_synchronized_configure [Gdk]	gdk_window_end_paint [Gdk]
gdk_window_focus [Gdk]	gdk_window_foreign_new [Gdk]
gdk_window_foreign_new_for_display [Gdk]	gdk_window_freeze_updates [Gdk]

gdk_window_fullscreen [Gdk]	gdk_window_get_children [Gdk]
gdk_window_get_decorations [Gdk]	gdk_window_get_events [Gdk]
gdk_window_get_frame_extents [Gdk]	gdk_window_get_geometry [Gdk]
gdk_window_get_group [Gdk]	gdk_window_get_internal_paint_info [Gdk]
gdk_window_get_origin [Gdk]	gdk_window_get_parent [Gdk]
gdk_window_get_pointer [Gdk]	gdk_window_get_position [Gdk]
gdk_window_get_root_origin [Gdk]	gdk_window_get_state [Gdk]
gdk_window_get_toplevel [Gdk]	gdk_window_get_toplevels [Gdk]
gdk_window_get_update_area [Gdk]	gdk_window_get_user_data [Gdk]
gdk_window_get_window_type [Gdk]	gdk_window_hide [Gdk]
gdk_window_hints_get_type [Gdk]	gdk_window_iconify [Gdk]
gdk_window_invalidate_maybe_recurse [Gdk]	gdk_window_invalidate_rect [Gdk]
gdk_window_invalidate_region [Gdk]	gdk_window_is_viewable [Gdk]
gdk_window_is_visible [Gdk]	gdk_window_lookup [Gdk]
gdk_window_lookup_for_display [Gdk]	gdk_window_lower [Gdk]
gdk_window_maximize [Gdk]	gdk_window_merge_child_shapes [Gdk]
gdk_window_move [Gdk]	gdk_window_move_resize [Gdk]
gdk_window_new [Gdk]	gdk_window_object_get_type [Gdk]
gdk_window_peek_children [Gdk]	gdk_window_process_all_updates [Gdk]
gdk_window_process_updates [Gdk]	gdk_window_raise [Gdk]
gdk_window_register_dnd [Gdk]	gdk_window_remove_filter [Gdk]
gdk_window_reparent [Gdk]	gdk_window_resize [Gdk]
gdk_window_scroll [Gdk]	gdk_window_set_accept_focus [Gdk]
gdk_window_set_back_pixmap [Gdk]	gdk_window_set_background [Gdk]
gdk_window_set_child_shapes [Gdk]	gdk_window_set_cursor [Gdk]
gdk_window_set_debug_updates [Gdk]	gdk_window_set_decorations [Gdk]
gdk_window_set_events [Gdk]	gdk_window_set_focus_on_map [Gdk]

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gdk_window_set_functions [Gdk]	gdk_window_set_geometry_hints [Gdk]
gdk_window_set_group [Gdk]	gdk_window_set_icon [Gdk]
gdk_window_set_icon_list [Gdk]	gdk_window_set_icon_name [Gdk]
gdk_window_set_keep_above [Gdk]	gdk_window_set_keep_below [Gdk]
gdk_window_set_modal_hint [Gdk]	gdk_window_set_override_redirect [Gdk]
gdk_window_set_role [Gdk]	gdk_window_set_skip_pager_hint [Gdk]
gdk_window_set_skip_taskbar_hint [Gdk]	gdk_window_set_static_gravities [Gdk]
gdk_window_set_title [Gdk]	gdk_window_set_transient_for [Gdk]
gdk_window_set_type_hint [Gdk]	gdk_window_set_user_data [Gdk]
gdk_window_shape_combine_mask [Gdk]	gdk_window_shape_combine_region [Gdk]
gdk_window_show [Gdk]	gdk_window_show_unraised [Gdk]
gdk_window_state_get_type [Gdk]	gdk_window_stick [Gdk]
gdk_window_thaw_updates [Gdk]	gdk_window_type_get_type [Gdk]
gdk_window_type_hint_get_type [Gdk]	gdk_window_unfullscreen [Gdk]
gdk_window_unmaximize [Gdk]	gdk_window_unstick [Gdk]
gdk_window_withdraw [Gdk]	gdk_wm_decoration_get_type [Gdk]
gdk_wm_function_get_type [Gdk]	gdk_x11_atom_to_xatom [Gdk]
gdk_x11_atom_to_xatom_for_displa y [Gdk]	gdk_x11_colormap_foreign_new [Gdk]
gdk_x11_colormap_get_xcolormap [Gdk]	gdk_x11_colormap_get_xdisplay [Gdk]
gdk_x11_cursor_get_xcursor [Gdk]	gdk_x11_cursor_get_xdisplay [Gdk]
gdk_x11_display_get_xdisplay [Gdk]	gdk_x11_display_grab [Gdk]
gdk_x11_display_ungrab [Gdk]	gdk_x11_drawable_get_xdisplay [Gdk]
gdk_x11_drawable_get_xid [Gdk]	gdk_x11_gc_get_xdisplay [Gdk]
gdk_x11_gc_get_xgc [Gdk]	gdk_x11_get_default_root_xwindow [Gdk]
gdk_x11_get_default_screen [Gdk]	gdk_x11_get_default_xdisplay [Gdk]
gdk_x11_get_server_time [Gdk]	gdk_x11_get_xatom_by_name [Gdk]
gdk_x11_get_xatom_by_name_for_di splay [Gdk]	gdk_x11_get_xatom_name [Gdk]

gdk_x11_get_xatom_name_for_display [Gdk]	gdk_x11_grab_server [Gdk]
gdk_x11_image_get_xdisplay [Gdk]	gdk_x11_image_get_ximage [Gdk]
gdk_x11_lookup_xdisplay [Gdk]	gdk_x11_register_standard_event_type [Gdk]
gdk_x11_screen_get_screen_number [Gdk]	gdk_x11_screen_get_window_manager_name [Gdk]
gdk_x11_screen_get_xscreen [Gdk]	gdk_x11_screen_lookup_visual [Gdk]
gdk_x11_screen_supports_net_wm_hint [Gdk]	gdk_x11_ungrab_server [Gdk]
gdk_x11_visual_get_xvisual [Gdk]	gdk_x11_window_set_user_time [Gdk]
gdk_x11_xatom_to_atom [Gdk]	gdk_x11_xatom_to_atom_for_display [Gdk]
gdk_xid_table_lookup [Gdk]	gdk_xid_table_lookup_for_display [Gdk]
gdkx_visual_get [Gdk]	

An LSB conforming implementation shall provide the generic data interfaces for GTK Drawing toolkit specified in Table 12-24, with the full mandatory functionality as described in the referenced underlying specification.

Table 12-24 libgdk-x11-2.0 - GTK Drawing toolkit Data Interfaces

gdk_display [Gdk]	gdk_threads_lock [Gdk]
gdk_threads_unlock [Gdk]	

12.21 Data Definitions for libgdk-x11-2.0

This section defines global identifiers and their values that are associated with interfaces contained in libgdk-x11-2.0. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and application developers should use this ABI to supplement - not to replace - source interface definition specifications.

This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

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12.21.1 gtk-2.0/gdk/gdk.h

```
#define GDK_WINDOWING_X11
#define GDK_PIXMAP_OBJECT(object)        \
        ((GdkPixmapObject *) GDK_PIXMAP (object))
#define GDK_WINDOW_OBJECT(object)        \
        ((GdkWindowObject *) GDK_WINDOW (object))
#define GDK_TYPE_WINDOW_ATTRIBUTES_TYPE  \
        (gdk_window_attributes_type_get_type())
#define GDK_COLORMAP_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GDK_TYPE_COLORMAP, \
        GdkColormapClass))
#define GDK_DEVICE_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST    ((klass),    GDK_TYPE_DEVICE,
GdkDeviceClass))
#define GDK_DISPLAY_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GDK_TYPE_DISPLAY, \
        GdkDisplayClass))
#define GDK_DISPLAY_MANAGER_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GDK_TYPE_DISPLAY_MANAGER, \
        GdkDisplayManagerClass))
#define GDK_DRAG_CONTEXT_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GDK_TYPE_DRAG_CONTEXT,
\
        GdkDragContextClass))
#define GDK_DRAWABLE_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GDK_TYPE_DRAWABLE, \
        GdkDrawableClass))
#define GDK_GC_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST      ((klass),      GDK_TYPE_GC,
GdkGCClass))
#define GDK_IMAGE_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_CAST    ((klass),    GDK_TYPE_IMAGE,
GdkImageClass))
#define GDK_KEYMAP_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST    ((klass),    GDK_TYPE_KEYMAP,
GdkKeymapClass))
#define GDK_PANGO_RENDERER_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GDK_TYPE_PANGO_RENDERER, \
        GdkPangoRendererClass))
#define GDK_PIXMAP_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GDK_TYPE_PIXMAP, \
        GdkPixmapObjectClass))
#define GDK_SCREEN_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST    ((klass),    GDK_TYPE_SCREEN,
GdkScreenClass))
#define GDK_VISUAL_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST    ((klass),    GDK_TYPE_VISUAL,
GdkVisualClass))
#define GDK_WINDOW_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GDK_TYPE_WINDOW, \
        GdkWindowObjectClass))
#define GDK_IS_COLORMAP_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GDK_TYPE_COLORMAP))
#define GDK_IS_DEVICE_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GDK_TYPE_DEVICE))
#define GDK_IS_DISPLAY_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GDK_TYPE_DISPLAY))
#define GDK_IS_DISPLAY_MANAGER_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GDK_TYPE_DISPLAY_MANAGER))
#define GDK_IS_DRAG_CONTEXT_CLASS(klass)         \
```

```
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GDK_TYPE_DRAG_CONTEXT))
#define GDK_IS_DRAWABLE_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GDK_TYPE_DRAWABLE))
#define GDK_IS_GC_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GDK_TYPE_GC))
#define GDK_IS_IMAGE_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GDK_TYPE_IMAGE))
#define GDK_IS_KEYMAP_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GDK_TYPE_KEYMAP))
#define GDK_IS_PANGO_RENDERER_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GDK_TYPE_PANGO_RENDERER))
#define GDK_IS_PIXMAP_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GDK_TYPE_PIXMAP))
#define GDK_IS_SCREEN_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GDK_TYPE_SCREEN))
#define GDK_IS_VISUAL_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GDK_TYPE_VISUAL))
#define GDK_IS_WINDOW_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GDK_TYPE_WINDOW))
#define GDK_COLORMAP(object)     \
        (G_TYPE_CHECK_INSTANCE_CAST ((object), GDK_TYPE_COLORMAP,
\
        GdkColormap))
#define GDK_DEVICE(object)       \
        (G_TYPE_CHECK_INSTANCE_CAST  ((object),  GDK_TYPE_DEVICE,
GdkDevice))
#define GDK_DISPLAY_OBJECT(object)       \
        (G_TYPE_CHECK_INSTANCE_CAST  ((object),  GDK_TYPE_DISPLAY,
GdkDisplay))
#define GDK_DISPLAY_MANAGER(object)      \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
GDK_TYPE_DISPLAY_MANAGER, \
        GdkDisplayManager))
#define GDK_DRAG_CONTEXT(object)         \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
GDK_TYPE_DRAG_CONTEXT, \
        GdkDragContext))
#define GDK_DRAWABLE(object)     \
        (G_TYPE_CHECK_INSTANCE_CAST ((object), GDK_TYPE_DRAWABLE,
\
        GdkDrawable))
#define GDK_GC(object)   \
        (G_TYPE_CHECK_INSTANCE_CAST    ((object),    GDK_TYPE_GC,
GdkGC))
#define GDK_IMAGE(object)        \
        (G_TYPE_CHECK_INSTANCE_CAST   ((object),   GDK_TYPE_IMAGE,
GdkImage))
#define GDK_KEYMAP(object)       \
        (G_TYPE_CHECK_INSTANCE_CAST  ((object),  GDK_TYPE_KEYMAP,
GdkKeymap))
#define GDK_PANGO_RENDERER(object)       \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
GDK_TYPE_PANGO_RENDERER, \
        GdkPangoRenderer))
#define GDK_PIXMAP(object)       \
        (G_TYPE_CHECK_INSTANCE_CAST  ((object),  GDK_TYPE_PIXMAP,
GdkPixmap))
#define GDK_SCREEN(object)       \
        (G_TYPE_CHECK_INSTANCE_CAST  ((object),  GDK_TYPE_SCREEN,
GdkScreen))
#define GDK_VISUAL(object)       \
        (G_TYPE_CHECK_INSTANCE_CAST  ((object),  GDK_TYPE_VISUAL,
GdkVisual))
#define GDK_WINDOW(object)       \
```

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```
        (G_TYPE_CHECK_INSTANCE_CAST  ((object),  GDK_TYPE_WINDOW,
GdkWindow))
#define GDK_IS_COLORMAP(object)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                    ((object),
GDK_TYPE_COLORMAP))
#define GDK_IS_DEVICE(object)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((object), GDK_TYPE_DEVICE))
#define GDK_IS_DISPLAY(object)   \
        (G_TYPE_CHECK_INSTANCE_TYPE ((object), GDK_TYPE_DISPLAY))
#define GDK_IS_DISPLAY_MANAGER(object)   \
        (G_TYPE_CHECK_INSTANCE_TYPE                    ((object),
GDK_TYPE_DISPLAY_MANAGER))
#define GDK_IS_DRAG_CONTEXT(object)      \
        (G_TYPE_CHECK_INSTANCE_TYPE                    ((object),
GDK_TYPE_DRAG_CONTEXT))
#define GDK_IS_DRAWABLE(object)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                    ((object),
GDK_TYPE_DRAWABLE))
#define GDK_IS_GC(object)        \
        (G_TYPE_CHECK_INSTANCE_TYPE ((object), GDK_TYPE_GC))
#define GDK_IS_IMAGE(object)     \
        (G_TYPE_CHECK_INSTANCE_TYPE ((object), GDK_TYPE_IMAGE))
#define GDK_IS_KEYMAP(object)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((object), GDK_TYPE_KEYMAP))
#define GDK_IS_PANGO_RENDERER(object)    \
        (G_TYPE_CHECK_INSTANCE_TYPE                    ((object),
GDK_TYPE_PANGO_RENDERER))
#define GDK_IS_PIXMAP(object)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((object), GDK_TYPE_PIXMAP))
#define GDK_IS_SCREEN(object)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((object), GDK_TYPE_SCREEN))
#define GDK_IS_VISUAL(object)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((object), GDK_TYPE_VISUAL))
#define GDK_IS_WINDOW(object)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((object), GDK_TYPE_WINDOW))
#define GDK_COLORMAP_GET_CLASS(obj)      \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GDK_TYPE_COLORMAP, \
        GdkColormapClass))
#define GDK_DEVICE_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS    ((obj),    GDK_TYPE_DEVICE,
GdkDeviceClass))
#define GDK_DISPLAY_GET_CLASS(obj)       \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GDK_TYPE_DISPLAY, \
        GdkDisplayClass))
#define GDK_DISPLAY_MANAGER_GET_CLASS(obj)       \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GDK_TYPE_DISPLAY_MANAGER, \
        GdkDisplayManagerClass))
#define GDK_DRAG_CONTEXT_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS  ((obj),  GDK_TYPE_DRAG_CONTEXT,
\
        GdkDragContextClass))
#define GDK_DRAWABLE_GET_CLASS(obj)      \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GDK_TYPE_DRAWABLE, \
        GdkDrawableClass))
#define GDK_GC_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS      ((obj),      GDK_TYPE_GC,
GdkGCClass))
#define GDK_IMAGE_GET_CLASS(obj)         \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GDK_TYPE_IMAGE,
GdkImageClass))
#define GDK_KEYMAP_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS    ((obj),    GDK_TYPE_KEYMAP,
GdkKeymapClass))
#define GDK_PANGO_RENDERER_GET_CLASS(obj)        \
```

```
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GDK_TYPE_PANGO_RENDERER, \
        GdkPangoRendererClass))
#define GDK_PIXMAP_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GDK_TYPE_PIXMAP, \
        GdkPixmapObjectClass))
#define GDK_SCREEN_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS    ((obj),    GDK_TYPE_SCREEN,
GdkScreenClass))
#define GDK_VISUAL_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS    ((obj),    GDK_TYPE_VISUAL,
GdkVisualClass))
#define GDK_WINDOW_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GDK_TYPE_WINDOW, \
        GdkWindowObjectClass))
#define GDK_THREADS_ENTER()      \
        G_STMT_START { if (gdk_threads_lock) (*gdk_threads_lock)
(); } \
        G_STMT_END
#define GDK_THREADS_LEAVE()      \
        G_STMT_START        {        if        (gdk_threads_unlock)
(*gdk_threads_unlock) (); } \
        G_STMT_END
#define GDK_POINTER_TO_ATOM(ptr)        ((GdkAtom)(ptr))
#define _GDK_MAKE_ATOM(val)     ((GdkAtom)GUINT_TO_POINTER(val))
#define GDK_ATOM_TO_POINTER(atom)       (atom)
#define GDK_TYPE_AXIS_USE       (gdk_axis_use_get_type())
#define GDK_TYPE_BYTE_ORDER     (gdk_byte_order_get_type())
#define GDK_TYPE_CAP_STYLE      (gdk_cap_style_get_type())
#define GDK_TYPE_COLORMAP       (gdk_colormap_get_type ())
#define GDK_TYPE_COLOR  (gdk_color_get_type ())
#define GDK_TYPE_CROSSING_MODE  (gdk_crossing_mode_get_type())
#define GDK_TYPE_CURSOR (gdk_cursor_get_type ())
#define GDK_TYPE_CURSOR_TYPE    (gdk_cursor_type_get_type())
#define GDK_TYPE_DEVICE (gdk_device_get_type ())
#define GDK_TYPE_DISPLAY        (gdk_display_get_type ())
#define                                 GDK_TYPE_DISPLAY_MANAGER
(gdk_display_manager_get_type ())
#define GDK_TYPE_DRAG_ACTION    (gdk_drag_action_get_type())
#define GDK_TYPE_DRAG_CONTEXT   (gdk_drag_context_get_type ())
#define GDK_TYPE_DRAG_PROTOCOL  (gdk_drag_protocol_get_type())
#define GDK_TYPE_DRAWABLE       (gdk_drawable_get_type ())
#define GDK_TYPE_EVENT  (gdk_event_get_type ())
#define GDK_TYPE_EVENT_MASK     (gdk_event_mask_get_type())
#define GDK_TYPE_EVENT_TYPE     (gdk_event_type_get_type())
#define GDK_TYPE_EXTENSION_MODE (gdk_extension_mode_get_type())
#define GDK_TYPE_FILL   (gdk_fill_get_type())
#define GDK_TYPE_FILL_RULE      (gdk_fill_rule_get_type())
#define GDK_TYPE_FILTER_RETURN  (gdk_filter_return_get_type())
#define GDK_TYPE_FONT_TYPE      (gdk_font_type_get_type())
#define GDK_TYPE_FUNCTION       (gdk_function_get_type())
#define GDK_TYPE_GC     (gdk_gc_get_type ())
#define GDK_TYPE_GC_VALUES_MASK (gdk_gc_values_mask_get_type())
#define GDK_TYPE_GRAB_STATUS    (gdk_grab_status_get_type())
#define GDK_TYPE_GRAVITY        (gdk_gravity_get_type())
#define GDK_TYPE_IMAGE  (gdk_image_get_type ())
#define GDK_TYPE_IMAGE_TYPE     (gdk_image_type_get_type())
#define                                 GDK_TYPE_INPUT_CONDITION
(gdk_input_condition_get_type())
#define GDK_TYPE_INPUT_MODE     (gdk_input_mode_get_type())
#define GDK_TYPE_INPUT_SOURCE   (gdk_input_source_get_type())
#define GDK_TYPE_JOIN_STYLE     (gdk_join_style_get_type())
#define GDK_TYPE_KEYMAP (gdk_keymap_get_type ())
#define GDK_TYPE_LINE_STYLE     (gdk_line_style_get_type())
#define GDK_TYPE_MODIFIER_TYPE  (gdk_modifier_type_get_type())
#define GDK_TYPE_NOTIFY_TYPE    (gdk_notify_type_get_type())
```

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```
#define GDK_TYPE_OVERLAP_TYPE   (gdk_overlap_type_get_type())
#define GDK_TYPE_OWNER_CHANGE   (gdk_owner_change_get_type())
#define GDK_TYPE_PANGO_RENDERER (gdk_pango_renderer_get_type())
#define GDK_TYPE_PIXMAP (gdk_pixmap_get_type ())
#define GDK_TYPE_PROPERTY_STATE (gdk_property_state_get_type())
#define GDK_TYPE_PROP_MODE      (gdk_prop_mode_get_type())
#define GDK_TYPE_RECTANGLE      (gdk_rectangle_get_type ())
#define GDK_TYPE_RGB_DITHER     (gdk_rgb_dither_get_type())
#define GDK_TYPE_SCREEN (gdk_screen_get_type ())
#define                                 GDK_TYPE_SCROLL_DIRECTION
(gdk_scroll_direction_get_type())
#define GDK_TYPE_SETTING_ACTION (gdk_setting_action_get_type())
#define GDK_TYPE_STATUS (gdk_status_get_type())
#define GDK_TYPE_SUBWINDOW_MODE (gdk_subwindow_mode_get_type())
#define                                 GDK_TYPE_VISIBILITY_STATE
(gdk_visibility_state_get_type())
#define GDK_TYPE_VISUAL (gdk_visual_get_type ())
#define GDK_TYPE_VISUAL_TYPE    (gdk_visual_type_get_type())
#define GDK_TYPE_WINDOW_CLASS   (gdk_window_class_get_type())
#define GDK_TYPE_WINDOW_EDGE    (gdk_window_edge_get_type())
#define GDK_TYPE_WINDOW_HINTS   (gdk_window_hints_get_type())
#define GDK_TYPE_WINDOW (gdk_window_object_get_type ())
#define GDK_TYPE_WINDOW_STATE   (gdk_window_state_get_type())
#define GDK_TYPE_WINDOW_TYPE    (gdk_window_type_get_type())
#define                                 GDK_TYPE_WINDOW_TYPE_HINT
(gdk_window_type_hint_get_type())
#define GDK_TYPE_WM_DECORATION  (gdk_wm_decoration_get_type())
#define GDK_TYPE_WM_FUNCTION    (gdk_wm_function_get_type())
#define GDK_PRIORITY_EVENTS     (G_PRIORITY_DEFAULT)
#define GDK_PRIORITY_REDRAW     (G_PRIORITY_HIGH_IDLE + 20)
#define GDK_CURRENT_TIME        0L
#define GDK_HAVE_WCHAR_H        1
#define GDK_HAVE_WCTYPE_H       1
#define GDK_MAX_TIMECOORD_AXES  128
#define GDK_PARENT_RELATIVE     1L
#define GDKVAR  extern
#define gdk_draw_bitmap gdk_draw_drawable
#define GDK_NONE        _GDK_MAKE_ATOM (0)
#define GDK_SELECTION_PRIMARY   _GDK_MAKE_ATOM (1)
#define GDK_SELECTION_TYPE_DRAWABLE     _GDK_MAKE_ATOM (17)
#define GDK_TARGET_DRAWABLE     _GDK_MAKE_ATOM (17)
#define GDK_SELECTION_TYPE_INTEGER      _GDK_MAKE_ATOM (19)
#define GDK_SELECTION_SECONDARY _GDK_MAKE_ATOM (2)
#define GDK_SELECTION_TYPE_PIXMAP       _GDK_MAKE_ATOM (20)
#define GDK_TARGET_PIXMAP       _GDK_MAKE_ATOM (20)
#define GDK_SELECTION_TYPE_STRING       _GDK_MAKE_ATOM (31)
#define GDK_TARGET_STRING       _GDK_MAKE_ATOM (31)
#define GDK_SELECTION_TYPE_WINDOW       _GDK_MAKE_ATOM (33)
#define GDK_SELECTION_TYPE_ATOM _GDK_MAKE_ATOM (4)
#define GDK_SELECTION_TYPE_BITMAP       _GDK_MAKE_ATOM (5)
#define GDK_TARGET_BITMAP       _GDK_MAKE_ATOM (5)
#define GDK_SELECTION_CLIPBOARD _GDK_MAKE_ATOM (69)
#define GDK_SELECTION_TYPE_COLORMAP     _GDK_MAKE_ATOM (7)
#define GDK_TARGET_COLORMAP     _GDK_MAKE_ATOM (7)

typedef struct _GdkDrawable {
    GObject parent_instance;
} GdkWindow;
typedef struct _GdkColor {
    guint32 pixel;
    guint16 red;
    guint16 green;
    guint16 blue;
} GdkColor;
typedef enum {
    GDK_VISUAL_STATIC_GRAY = 0,
```

```
    GDK_VISUAL_GRAYSCALE = 1,
    GDK_VISUAL_STATIC_COLOR = 2,
    GDK_VISUAL_PSEUDO_COLOR = 3,
    GDK_VISUAL_TRUE_COLOR = 4,
    GDK_VISUAL_DIRECT_COLOR = 5
} GdkVisualType;
typedef enum {
    GDK_LSB_FIRST = 0,
    GDK_MSB_FIRST = 1
} GdkByteOrder;
typedef struct _GdkVisual {
    GObject parent_instance;
    GdkVisualType type;
    gint depth;
    GdkByteOrder byte_order;
    gint colormap_size;
    gint bits_per_rgb;
    guint32 red_mask;
    gint red_shift;
    gint red_prec;
    guint32 green_mask;
    gint green_shift;
    gint green_prec;
    guint32 blue_mask;
    gint blue_shift;
    gint blue_prec;
} GdkVisual;
typedef struct _GdkColormap {
    GObject parent_instance;
    gint size;
    GdkColor *colors;
    GdkVisual *visual;
    gpointer windowing_data;
} GdkColormap;
typedef struct _GdkGC {
    GObject parent_instance;
    gint clip_x_origin;
    gint clip_y_origin;
    gint ts_x_origin;
    gint ts_y_origin;
    GdkColormap *colormap;
} GdkGC;
typedef struct _GdkDrawable {
    GObject parent_instance;
} GdkDrawable;
typedef enum {
    GDK_SOURCE_MOUSE = 0,
    GDK_SOURCE_PEN = 1,
    GDK_SOURCE_ERASER = 2,
    GDK_SOURCE_CURSOR = 3
} GdkInputSource;
typedef enum {
    GDK_MODE_DISABLED = 0,
    GDK_MODE_SCREEN = 1,
    GDK_MODE_WINDOW = 2
} GdkInputMode;
typedef enum {
    GDK_AXIS_IGNORE = 0,
    GDK_AXIS_X = 1,
    GDK_AXIS_Y = 2,
    GDK_AXIS_PRESSURE = 3,
    GDK_AXIS_XTILT = 4,
    GDK_AXIS_YTILT = 5,
    GDK_AXIS_WHEEL = 6,
    GDK_AXIS_LAST = 7
} GdkAxisUse;
```

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```
typedef struct _GdkDeviceAxis {
    GdkAxisUse use;
    gdouble min;
    gdouble max;
} GdkDeviceAxis;
typedef enum {
    GDK_SHIFT_MASK = 1,
    GDK_LOCK_MASK = 2,
    GDK_CONTROL_MASK = 4,
    GDK_MOD1_MASK = 8,
    GDK_MOD2_MASK = 16,
    GDK_MOD3_MASK = 32,
    GDK_MOD4_MASK = 64,
    GDK_MOD5_MASK = 128,
    GDK_BUTTON1_MASK = 256,
    GDK_BUTTON2_MASK = 512,
    GDK_BUTTON3_MASK = 1024,
    GDK_BUTTON4_MASK = 2048,
    GDK_BUTTON5_MASK = 4096,
    GDK_RELEASE_MASK = 1073741824,
    GDK_MODIFIER_MASK = 1073750015
} GdkModifierType;
typedef struct _GdkDeviceKey {
    guint keyval;
    GdkModifierType modifiers;
} GdkDeviceKey;
typedef struct _GdkDevice {
    GObject parent_instance;
    gchar *name;
    GdkInputSource source;
    GdkInputMode mode;
    gboolean has_cursor;
    gint num_axes;
    GdkDeviceAxis *axes;
    gint num_keys;
    GdkDeviceKey *keys;
} GdkDevice;
typedef struct _GdkDisplay {
    GObject parent_instance;
    GList *queued_events;
    GList *queued_tail;
    guint32 button_click_time[2];
    GdkWindow *button_window[2];
    gint button_number[2];
    guint double_click_time;
    GdkDevice *core_pointer;
    const GdkDisplayPointerHooks *pointer_hooks;
    guint closed:1;
    guint double_click_distance;
    gint button_x[2];
    gint button_y[2];
} GdkDisplay;
typedef struct _GdkScreen {
    GObject parent_instance;
    guint closed:1;
    GdkGC *normal_gcs[32];
    GdkGC *exposure_gcs[32];
} GdkScreen;
typedef struct _GdkDisplayPointerHooks {
    void (*get_pointer) (GdkDisplay *, GdkScreen * *, gint *,
gint *,
                         GdkModifierType *);
    GdkWindow *(*window_get_pointer) (GdkDisplay *, GdkWindow *,
gint *,
                                      gint *, GdkModifierType *);
```

```
    GdkWindow *(*window_at_pointer) (GdkDisplay *, gint *, gint
*);
} GdkDisplayPointerHooks;
typedef enum {
    GDK_EXPOSURE_MASK = 2,
    GDK_POINTER_MOTION_MASK = 4,
    GDK_POINTER_MOTION_HINT_MASK = 8,
    GDK_BUTTON_MOTION_MASK = 16,
    GDK_BUTTON1_MOTION_MASK = 32,
    GDK_BUTTON2_MOTION_MASK = 64,
    GDK_BUTTON3_MOTION_MASK = 128,
    GDK_BUTTON_PRESS_MASK = 256,
    GDK_BUTTON_RELEASE_MASK = 512,
    GDK_KEY_PRESS_MASK = 1024,
    GDK_KEY_RELEASE_MASK = 2048,
    GDK_ENTER_NOTIFY_MASK = 4096,
    GDK_LEAVE_NOTIFY_MASK = 8192,
    GDK_FOCUS_CHANGE_MASK = 16384,
    GDK_STRUCTURE_MASK = 32768,
    GDK_PROPERTY_CHANGE_MASK = 65536,
    GDK_VISIBILITY_NOTIFY_MASK = 131072,
    GDK_PROXIMITY_IN_MASK = 262144,
    GDK_PROXIMITY_OUT_MASK = 524288,
    GDK_SUBSTRUCTURE_MASK = 1048576,
    GDK_SCROLL_MASK = 2097152,
    GDK_ALL_EVENTS_MASK = 4194302
} GdkEventMask;
typedef enum {
    GDK_X_CURSOR = 0,
    GDK_ARROW = 2,
    GDK_BASED_ARROW_DOWN = 4,
    GDK_BASED_ARROW_UP = 6,
    GDK_BOAT = 8,
    GDK_BOGOSITY = 10,
    GDK_BOTTOM_LEFT_CORNER = 12,
    GDK_BOTTOM_RIGHT_CORNER = 14,
    GDK_BOTTOM_SIDE = 16,
    GDK_BOTTOM_TEE = 18,
    GDK_BOX_SPIRAL = 20,
    GDK_CENTER_PTR = 22,
    GDK_CIRCLE = 24,
    GDK_CLOCK = 26,
    GDK_COFFEE_MUG = 28,
    GDK_CROSS = 30,
    GDK_CROSS_REVERSE = 32,
    GDK_CROSSHAIR = 34,
    GDK_DIAMOND_CROSS = 36,
    GDK_DOT = 38,
    GDK_DOTBOX = 40,
    GDK_DOUBLE_ARROW = 42,
    GDK_DRAFT_LARGE = 44,
    GDK_DRAFT_SMALL = 46,
    GDK_DRAPED_BOX = 48,
    GDK_EXCHANGE = 50,
    GDK_FLEUR = 52,
    GDK_GOBBLER = 54,
    GDK_GUMBY = 56,
    GDK_HAND1 = 58,
    GDK_HAND2 = 60,
    GDK_HEART = 62,
    GDK_ICON = 64,
    GDK_IRON_CROSS = 66,
    GDK_LEFT_PTR = 68,
    GDK_LEFT_SIDE = 70,
    GDK_LEFT_TEE = 72,
    GDK_LEFTBUTTON = 74,
```

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```
    GDK_LL_ANGLE = 76,
    GDK_LR_ANGLE = 78,
    GDK_MAN = 80,
    GDK_MIDDLEBUTTON = 82,
    GDK_MOUSE = 84,
    GDK_PENCIL = 86,
    GDK_PIRATE = 88,
    GDK_PLUS = 90,
    GDK_QUESTION_ARROW = 92,
    GDK_RIGHT_PTR = 94,
    GDK_RIGHT_SIDE = 96,
    GDK_RIGHT_TEE = 98,
    GDK_RIGHTBUTTON = 100,
    GDK_RTL_LOGO = 102,
    GDK_SAILBOAT = 104,
    GDK_SB_DOWN_ARROW = 106,
    GDK_SB_H_DOUBLE_ARROW = 108,
    GDK_SB_LEFT_ARROW = 110,
    GDK_SB_RIGHT_ARROW = 112,
    GDK_SB_UP_ARROW = 114,
    GDK_SB_V_DOUBLE_ARROW = 116,
    GDK_SHUTTLE = 118,
    GDK_SIZING = 120,
    GDK_SPIDER = 122,
    GDK_SPRAYCAN = 124,
    GDK_STAR = 126,
    GDK_TARGET = 128,
    GDK_TCROSS = 130,
    GDK_TOP_LEFT_ARROW = 132,
    GDK_TOP_LEFT_CORNER = 134,
    GDK_TOP_RIGHT_CORNER = 136,
    GDK_TOP_SIDE = 138,
    GDK_TOP_TEE = 140,
    GDK_TREK = 142,
    GDK_UL_ANGLE = 144,
    GDK_UMBRELLA = 146,
    GDK_UR_ANGLE = 148,
    GDK_WATCH = 150,
    GDK_XTERM = 152,
    GDK_LAST_CURSOR = 153,
    GDK_CURSOR_IS_PIXMAP = -1
} GdkCursorType;
typedef struct _GdkCursor {
    GdkCursorType type;
    guint ref_count;
} GdkCursor;
typedef struct _GdkKeymap {
    GObject parent_instance;
    GdkDisplay *display;
} GdkKeymap;
typedef struct _GdkAtom *GdkAtom;
typedef enum {
    GDK_FILTER_CONTINUE = 0,
    GDK_FILTER_TRANSLATE = 1,
    GDK_FILTER_REMOVE = 2
} GdkFilterReturn;
typedef void GdkXEvent;
typedef enum {
    GDK_NOTHING = -1,
    GDK_DELETE = 0,
    GDK_DESTROY = 1,
    GDK_EXPOSE = 2,
    GDK_MOTION_NOTIFY = 3,
    GDK_BUTTON_PRESS = 4,
    GDK_2BUTTON_PRESS = 5,
    GDK_3BUTTON_PRESS = 6,
```

```
    GDK_BUTTON_RELEASE = 7,
    GDK_KEY_PRESS = 8,
    GDK_KEY_RELEASE = 9,
    GDK_ENTER_NOTIFY = 10,
    GDK_LEAVE_NOTIFY = 11,
    GDK_FOCUS_CHANGE = 12,
    GDK_CONFIGURE = 13,
    GDK_MAP = 14,
    GDK_UNMAP = 15,
    GDK_PROPERTY_NOTIFY = 16,
    GDK_SELECTION_CLEAR = 17,
    GDK_SELECTION_REQUEST = 18,
    GDK_SELECTION_NOTIFY = 19,
    GDK_PROXIMITY_IN = 20,
    GDK_PROXIMITY_OUT = 21,
    GDK_DRAG_ENTER = 22,
    GDK_DRAG_LEAVE = 23,
    GDK_DRAG_MOTION = 24,
    GDK_DRAG_STATUS = 25,
    GDK_DROP_START = 26,
    GDK_DROP_FINISHED = 27,
    GDK_CLIENT_EVENT = 28,
    GDK_VISIBILITY_NOTIFY = 29,
    GDK_NO_EXPOSE = 30,
    GDK_SCROLL = 31,
    GDK_WINDOW_STATE = 32,
    GDK_SETTING = 33,
    GDK_OWNER_CHANGE = 34
} GdkEventType;
typedef struct _GdkEventAny {
    GdkEventType type;
    GdkWindow *window;
    gint8 send_event;
} GdkEventAny;
typedef struct _GdkRectangle {
    gint x;
    gint y;
    gint width;
    gint height;
} GdkRectangle;
typedef struct _GdkRegion
 GdkRegion;
typedef struct _GdkEventExpose {
    GdkEventType type;
    GdkWindow *window;
    gint8 send_event;
    GdkRectangle area;
    GdkRegion *region;
    gint count;
} GdkEventExpose;
typedef struct _GdkEventNoExpose {
    GdkEventType type;
    GdkWindow *window;
    gint8 send_event;
} GdkEventNoExpose;
typedef enum {
    GDK_VISIBILITY_UNOBSCURED = 0,
    GDK_VISIBILITY_PARTIAL = 1,
    GDK_VISIBILITY_FULLY_OBSCURED = 2
} GdkVisibilityState;
typedef struct _GdkEventVisibility {
    GdkEventType type;
    GdkWindow *window;
    gint8 send_event;
    GdkVisibilityState state;
} GdkEventVisibility;
```

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```
typedef struct _GdkEventMotion {
    GdkEventType type;
    GdkWindow *window;
    gint8 send_event;
    guint32 time;
    gdouble x;
    gdouble y;
    gdouble *axes;
    guint state;
    gint16 is_hint;
    GdkDevice *device;
    gdouble x_root;
    gdouble y_root;
} GdkEventMotion;
typedef struct _GdkEventButton {
    GdkEventType type;
    GdkWindow *window;
    gint8 send_event;
    guint32 time;
    gdouble x;
    gdouble y;
    gdouble *axes;
    guint state;
    guint button;
    GdkDevice *device;
    gdouble x_root;
    gdouble y_root;
} GdkEventButton;
typedef enum {
    GDK_SCROLL_UP = 0,
    GDK_SCROLL_DOWN = 1,
    GDK_SCROLL_LEFT = 2,
    GDK_SCROLL_RIGHT = 3
} GdkScrollDirection;
typedef struct _GdkEventScroll {
    GdkEventType type;
    GdkWindow *window;
    gint8 send_event;
    guint32 time;
    gdouble x;
    gdouble y;
    guint state;
    GdkScrollDirection direction;
    GdkDevice *device;
    gdouble x_root;
    gdouble y_root;
} GdkEventScroll;
typedef struct _GdkEventKey {
    GdkEventType type;
    GdkWindow *window;
    gint8 send_event;
    guint32 time;
    guint state;
    guint keyval;
    gint length;
    gchar *string;
    guint16 hardware_keycode;
    guint8 group;
} GdkEventKey;
typedef enum {
    GDK_CROSSING_NORMAL = 0,
    GDK_CROSSING_GRAB = 1,
    GDK_CROSSING_UNGRAB = 2
} GdkCrossingMode;
typedef enum {
    GDK_NOTIFY_ANCESTOR = 0,
```

```
        GDK_NOTIFY_VIRTUAL = 1,
        GDK_NOTIFY_INFERIOR = 2,
        GDK_NOTIFY_NONLINEAR = 3,
        GDK_NOTIFY_NONLINEAR_VIRTUAL = 4,
        GDK_NOTIFY_UNKNOWN = 5
    } GdkNotifyType;
    typedef struct _GdkEventCrossing {
        GdkEventType type;
        GdkWindow *window;
        gint8 send_event;
        GdkWindow *subwindow;
        guint32 time;
        gdouble x;
        gdouble y;
        gdouble x_root;
        gdouble y_root;
        GdkCrossingMode mode;
        GdkNotifyType detail;
        gboolean focus;
        guint state;
    } GdkEventCrossing;
    typedef struct _GdkEventFocus {
        GdkEventType type;
        GdkWindow *window;
        gint8 send_event;
        gint16 in;
    } GdkEventFocus;
    typedef struct _GdkEventConfigure {
        GdkEventType type;
        GdkWindow *window;
        gint8 send_event;
        gint x;
        gint y;
        gint width;
        gint height;
    } GdkEventConfigure;
    typedef struct _GdkEventProperty {
        GdkEventType type;
        GdkWindow *window;
        gint8 send_event;
        GdkAtom atom;
        guint32 time;
        guint state;
    } GdkEventProperty;
    typedef guint32 GdkNativeWindow;
    typedef struct _GdkEventSelection {
        GdkEventType type;
        GdkWindow *window;
        gint8 send_event;
        GdkAtom selection;
        GdkAtom target;
        GdkAtom property;
        guint32 time;
        GdkNativeWindow requestor;
    } GdkEventSelection;
    typedef enum {
        GDK_OWNER_CHANGE_NEW_OWNER = 0,
        GDK_OWNER_CHANGE_DESTROY = 1,
        GDK_OWNER_CHANGE_CLOSE = 2
    } GdkOwnerChange;
    typedef struct _GdkEventOwnerChange {
        GdkEventType type;
        GdkWindow *window;
        gint8 send_event;
        GdkNativeWindow owner;
        GdkOwnerChange reason;
```

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```
    GdkAtom selection;
    guint32 time;
    guint32 selection_time;
} GdkEventOwnerChange;
typedef struct _GdkEventProximity {
    GdkEventType type;
    GdkWindow *window;
    gint8 send_event;
    guint32 time;
    GdkDevice *device;
} GdkEventProximity;
typedef struct _GdkEventClient {
    GdkEventType type;
    GdkWindow *window;
    gint8 send_event;
    GdkAtom message_type;
    gushort data_format;
    union {
        char b[20];
        short int s[10];
        long int l[5];
    } data;
} GdkEventClient;
typedef enum {
    GDK_DRAG_PROTO_MOTIF = 0,
    GDK_DRAG_PROTO_XDND = 1,
    GDK_DRAG_PROTO_ROOTWIN = 2,
    GDK_DRAG_PROTO_NONE = 3,
    GDK_DRAG_PROTO_WIN32_DROPFILES = 4,
    GDK_DRAG_PROTO_OLE2 = 5,
    GDK_DRAG_PROTO_LOCAL = 6
} GdkDragProtocol;
typedef enum {
    GDK_ACTION_DEFAULT = 1,
    GDK_ACTION_COPY = 2,
    GDK_ACTION_MOVE = 4,
    GDK_ACTION_LINK = 8,
    GDK_ACTION_PRIVATE = 16,
    GDK_ACTION_ASK = 32
} GdkDragAction;
typedef struct _GdkDragContext {
    GObject parent_instance;
    GdkDragProtocol protocol;
    gboolean is_source;
    GdkWindow *source_window;
    GdkWindow *dest_window;
    GList *targets;
    GdkDragAction actions;
    GdkDragAction suggested_action;
    GdkDragAction action;
    guint32 start_time;
    gpointer windowing_data;
} GdkDragContext;
typedef short int gshort;
typedef struct _GdkEventDND {
    GdkEventType type;
    GdkWindow *window;
    gint8 send_event;
    GdkDragContext *context;
    guint32 time;
    gshort x_root;
    gshort y_root;
} GdkEventDND;
typedef enum {
    GDK_WINDOW_STATE_WITHDRAWN = 1,
    GDK_WINDOW_STATE_ICONIFIED = 2,
```

```
    GDK_WINDOW_STATE_MAXIMIZED = 4,
    GDK_WINDOW_STATE_STICKY = 8,
    GDK_WINDOW_STATE_FULLSCREEN = 16,
    GDK_WINDOW_STATE_ABOVE = 32,
    GDK_WINDOW_STATE_BELOW = 64
} GdkWindowState;
typedef struct _GdkEventWindowState {
    GdkEventType type;
    GdkWindow *window;
    gint8 send_event;
    GdkWindowState changed_mask;
    GdkWindowState new_window_state;
} GdkEventWindowState;
typedef enum {
    GDK_SETTING_ACTION_NEW = 0,
    GDK_SETTING_ACTION_CHANGED = 1,
    GDK_SETTING_ACTION_DELETED = 2
} GdkSettingAction;
typedef struct _GdkEventSetting {
    GdkEventType type;
    GdkWindow *window;
    gint8 send_event;
    GdkSettingAction action;
    char *name;
} GdkEventSetting;
typedef union _GdkEvent {
    GdkEventType type;
    GdkEventAny any;
    GdkEventExpose expose;
    GdkEventNoExpose no_expose;
    GdkEventVisibility visibility;
    GdkEventMotion motion;
    GdkEventButton button;
    GdkEventScroll scroll;
    GdkEventKey key;
    GdkEventCrossing crossing;
    GdkEventFocus focus_change;
    GdkEventConfigure configure;
    GdkEventProperty property;
    GdkEventSelection selection;
    GdkEventOwnerChange owner_change;
    GdkEventProximity proximity;
    GdkEventClient client;
    GdkEventDND dnd;
    GdkEventWindowState window_state;
    GdkEventSetting setting;
} GdkEvent;
typedef GdkFilterReturn(*GdkFilterFunc) (GdkXEvent *, GdkEvent *,
                                         gpointer);
typedef struct _GdkDrawable {
    GObject parent_instance;
} GdkPixmap;
typedef struct _GdkDrawable {
    GObject parent_instance;
} GdkBitmap;
typedef struct _GdkDisplayManager GdkDisplayManager;
typedef enum {
    GDK_CLIP_BY_CHILDREN = 0,
    GDK_INCLUDE_INFERIORS = 1
} GdkSubwindowMode;
typedef enum {
    GDK_WINDOW_EDGE_NORTH_WEST = 0,
    GDK_WINDOW_EDGE_NORTH = 1,
    GDK_WINDOW_EDGE_NORTH_EAST = 2,
    GDK_WINDOW_EDGE_WEST = 3,
    GDK_WINDOW_EDGE_EAST = 4,
```

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```
    GDK_WINDOW_EDGE_SOUTH_WEST = 5,
    GDK_WINDOW_EDGE_SOUTH = 6,
    GDK_WINDOW_EDGE_SOUTH_EAST = 7
} GdkWindowEdge;
typedef enum {
    GDK_IMAGE_NORMAL = 0,
    GDK_IMAGE_SHARED = 1,
    GDK_IMAGE_FASTEST = 2
} GdkImageType;
typedef struct _GdkImage {
    GObject parent_instance;
    GdkImageType type;
    GdkVisual *visual;
    GdkByteOrder byte_order;
    gint width;
    gint height;
    guint16 depth;
    guint16 bpp;
    guint16 bpl;
    guint16 bits_per_pixel;
    gpointer mem;
    GdkColormap *colormap;
    gpointer windowing_data;
} GdkImage;
typedef struct _GdkPangoRendererPrivate GdkPangoRendererPrivate;
typedef struct _GdkPangoRenderer {
    PangoRenderer parent_instance;
    GdkPangoRendererPrivate *priv;
} GdkPangoRenderer;
typedef enum {
    GDK_GRAB_SUCCESS = 0,
    GDK_GRAB_ALREADY_GRABBED = 1,
    GDK_GRAB_INVALID_TIME = 2,
    GDK_GRAB_NOT_VIEWABLE = 3,
    GDK_GRAB_FROZEN = 4
} GdkGrabStatus;
typedef enum {
    GDK_SOLID = 0,
    GDK_TILED = 1,
    GDK_STIPPLED = 2,
    GDK_OPAQUE_STIPPLED = 3
} GdkFill;
typedef enum {
    GDK_WINDOW_TYPE_HINT_NORMAL = 0,
    GDK_WINDOW_TYPE_HINT_DIALOG = 1,
    GDK_WINDOW_TYPE_HINT_MENU = 2,
    GDK_WINDOW_TYPE_HINT_TOOLBAR = 3,
    GDK_WINDOW_TYPE_HINT_SPLASHSCREEN = 4,
    GDK_WINDOW_TYPE_HINT_UTILITY = 5,
    GDK_WINDOW_TYPE_HINT_DOCK = 6,
    GDK_WINDOW_TYPE_HINT_DESKTOP = 7
} GdkWindowTypeHint;
typedef struct _GdkTimeCoord {
    guint32 time;
    gdouble axes[128];
} GdkTimeCoord;
typedef struct _GdkPoint {
    gint x;
    gint y;
} GdkPoint;
typedef struct _GdkFont GdkFont;
typedef enum {
    GDK_DECOR_ALL = 1,
    GDK_DECOR_BORDER = 2,
    GDK_DECOR_RESIZEH = 4,
    GDK_DECOR_TITLE = 8,
```

```
    GDK_DECOR_MENU = 16,
    GDK_DECOR_MINIMIZE = 32,
    GDK_DECOR_MAXIMIZE = 64
} GdkWMDecoration;
typedef enum {
    GDK_FUNC_ALL = 1,
    GDK_FUNC_RESIZE = 2,
    GDK_FUNC_MOVE = 4,
    GDK_FUNC_MINIMIZE = 8,
    GDK_FUNC_MAXIMIZE = 16,
    GDK_FUNC_CLOSE = 32
} GdkWMFunction;
typedef struct _GdkKeymapKey {
    guint keycode;
    gint group;
    gint level;
} GdkKeymapKey;
typedef enum {
    GDK_RGB_DITHER_NONE = 0,
    GDK_RGB_DITHER_NORMAL = 1,
    GDK_RGB_DITHER_MAX = 2
} GdkRgbDither;
typedef struct _GdkRgbCmap {
    guint32 colors[256];
    gint n_colors;
    GSList *info_list;
} GdkRgbCmap;
typedef enum {
    GDK_COPY = 0,
    GDK_INVERT = 1,
    GDK_XOR = 2,
    GDK_CLEAR = 3,
    GDK_AND = 4,
    GDK_AND_REVERSE = 5,
    GDK_AND_INVERT = 6,
    GDK_NOOP = 7,
    GDK_OR = 8,
    GDK_EQUIV = 9,
    GDK_OR_REVERSE = 10,
    GDK_COPY_INVERT = 11,
    GDK_OR_INVERT = 12,
    GDK_NAND = 13,
    GDK_NOR = 14,
    GDK_SET = 15
} GdkFunction;
typedef enum {
    GDK_LINE_SOLID = 0,
    GDK_LINE_ON_OFF_DASH = 1,
    GDK_LINE_DOUBLE_DASH = 2
} GdkLineStyle;
typedef enum {
    GDK_CAP_NOT_LAST = 0,
    GDK_CAP_BUTT = 1,
    GDK_CAP_ROUND = 2,
    GDK_CAP_PROJECTING = 3
} GdkCapStyle;
typedef enum {
    GDK_JOIN_MITER = 0,
    GDK_JOIN_ROUND = 1,
    GDK_JOIN_BEVEL = 2
} GdkJoinStyle;
typedef struct _GdkGCValues {
    GdkColor foreground;
    GdkColor background;
    GdkFont *font;
    GdkFunction function;
```

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```
    GdkFill fill;
    GdkPixmap *tile;
    GdkPixmap *stipple;
    GdkPixmap *clip_mask;
    GdkSubwindowMode subwindow_mode;
    gint ts_x_origin;
    gint ts_y_origin;
    gint clip_x_origin;
    gint clip_y_origin;
    gint graphics_exposures;
    gint line_width;
    GdkLineStyle line_style;
    GdkCapStyle cap_style;
    GdkJoinStyle join_style;
} GdkGCValues;
typedef enum {
    GDK_GC_FOREGROUND = 1,
    GDK_GC_BACKGROUND = 2,
    GDK_GC_FONT = 4,
    GDK_GC_FUNCTION = 8,
    GDK_GC_FILL = 16,
    GDK_GC_TILE = 32,
    GDK_GC_STIPPLE = 64,
    GDK_GC_CLIP_MASK = 128,
    GDK_GC_SUBWINDOW = 256,
    GDK_GC_TS_X_ORIGIN = 512,
    GDK_GC_TS_Y_ORIGIN = 1024,
    GDK_GC_CLIP_X_ORIGIN = 2048,
    GDK_GC_CLIP_Y_ORIGIN = 4096,
    GDK_GC_EXPOSURES = 8192,
    GDK_GC_LINE_WIDTH = 16384,
    GDK_GC_LINE_STYLE = 32768,
    GDK_GC_CAP_STYLE = 65536,
    GDK_GC_JOIN_STYLE = 131072
} GdkGCValuesMask;
typedef enum {
    GDK_WINDOW_ROOT = 0,
    GDK_WINDOW_TOPLEVEL = 1,
    GDK_WINDOW_CHILD = 2,
    GDK_WINDOW_DIALOG = 3,
    GDK_WINDOW_TEMP = 4,
    GDK_WINDOW_FOREIGN = 5
} GdkWindowType;
typedef struct _GdkSpan {
    gint x;
    gint y;
    gint width;
} GdkSpan;
typedef void (*GdkSpanFunc) (GdkSpan *, gpointer);
typedef enum {
    GDK_GRAVITY_NORTH_WEST = 1,
    GDK_GRAVITY_NORTH = 2,
    GDK_GRAVITY_NORTH_EAST = 3,
    GDK_GRAVITY_WEST = 4,
    GDK_GRAVITY_CENTER = 5,
    GDK_GRAVITY_EAST = 6,
    GDK_GRAVITY_SOUTH_WEST = 7,
    GDK_GRAVITY_SOUTH = 8,
    GDK_GRAVITY_SOUTH_EAST = 9,
    GDK_GRAVITY_STATIC = 10
} GdkGravity;
typedef struct _GdkGeometry {
    gint min_width;
    gint min_height;
    gint max_width;
    gint max_height;
```

```
    gint base_width;
    gint base_height;
    gint width_inc;
    gint height_inc;
    gdouble min_aspect;
    gdouble max_aspect;
    GdkGravity win_gravity;
} GdkGeometry;
typedef enum {
    GDK_HINT_POS = 1,
    GDK_HINT_MIN_SIZE = 2,
    GDK_HINT_MAX_SIZE = 4,
    GDK_HINT_BASE_SIZE = 8,
    GDK_HINT_ASPECT = 16,
    GDK_HINT_RESIZE_INC = 32,
    GDK_HINT_WIN_GRAVITY = 64,
    GDK_HINT_USER_POS = 128,
    GDK_HINT_USER_SIZE = 256
} GdkWindowHints;
typedef void (*GdkEventFunc) (GdkEvent *, gpointer);
typedef enum {
    GDK_OVERLAP_RECTANGLE_IN = 0,
    GDK_OVERLAP_RECTANGLE_OUT = 1,
    GDK_OVERLAP_RECTANGLE_PART = 2
} GdkOverlapType;
typedef struct _GdkSegment {
    gint x1;
    gint y1;
    gint x2;
    gint y2;
} GdkSegment;
typedef enum {
    GDK_PROP_MODE_REPLACE = 0,
    GDK_PROP_MODE_PREPEND = 1,
    GDK_PROP_MODE_APPEND = 2
} GdkPropMode;
typedef enum {
    GDK_INPUT_OUTPUT = 0,
    GDK_INPUT_ONLY = 1
} GdkWindowClass;
typedef struct _GdkWindowAttr {
    gchar *title;
    gint event_mask;
    gint x;
    gint y;
    gint width;
    gint height;
    GdkWindowClass wclass;
    GdkVisual *visual;
    GdkColormap *colormap;
    GdkWindowType window_type;
    GdkCursor *cursor;
    gchar *wmclass_name;
    gchar *wmclass_class;
    gboolean override_redirect;
} GdkWindowAttr;
typedef struct _GdkTrapezoid {
    double y1;
    double x11;
    double x21;
    double y2;
    double x12;
    double x22;
} GdkTrapezoid;
typedef enum {
    GDK_EVEN_ODD_RULE = 0,
```

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```
    GDK_WINDING_RULE = 1
} GdkFillRule;
typedef struct _GdkPointerHooks {
    GdkWindow *(*get_pointer) (GdkWindow *, gint *, gint *,
                                GdkModifierType *);
    GdkWindow  *(*window_at_pointer)  (GdkScreen  *,  gint  *,  gint
*);
} GdkPointerHooks;
typedef enum {
    GDK_EXTENSION_EVENTS_NONE = 0,
    GDK_EXTENSION_EVENTS_ALL = 1,
    GDK_EXTENSION_EVENTS_CURSOR = 2
} GdkExtensionMode;
typedef struct _GdkWindowObject {
    GdkDrawable parent_instance;
    GdkDrawable *impl;
    GdkWindowObject *parent;
    gpointer user_data;
    gint x;
    gint y;
    gint extension_events;
    GList *filters;
    GList *children;
    GdkColor bg_color;
    GdkPixmap *bg_pixmap;
    GSList *paint_stack;
    GdkRegion *update_area;
    guint update_freeze_count;
    guint8 window_type;
    guint8 depth;
    guint8 resize_count;
    GdkWindowState state;
    guint guffaw_gravity:1;
    guint input_only:1;
    guint modal_hint:1;
    guint destroyed:2;
    guint accept_focus:1;
    guint focus_on_map:1;
    GdkEventMask event_mask;
} GdkWindowObject;
typedef struct _GdkScreenClass {
    GObjectClass parent_class;
    void (*size_changed) (GdkScreen *);
} GdkScreenClass;
typedef guint32 GdkWChar;
typedef struct _GdkPixmapObject {
    GdkDrawable parent_instance;
    GdkDrawable *impl;
    gint depth;
} GdkPixmapObject;
typedef enum {
    GDK_INPUT_READ = 1,
    GDK_INPUT_WRITE = 2,
    GDK_INPUT_EXCEPTION = 4
} GdkInputCondition;
typedef     void     (*GdkInputFunction)     (gpointer,     gint,
GdkInputCondition);
typedef struct _GdkImageClass {
    GObjectClass parent_class;
} GdkImageClass;
typedef void (*GdkDestroyNotify) (gpointer);
typedef struct _GdkKeymapClass {
    GObjectClass parent_class;
    void (*direction_changed) (GdkKeymap *);
    void (*keys_changed) (GdkKeymap *);
} GdkKeymapClass;
```

```
typedef struct _GdkDrawableClass {
    GObjectClass parent_class;
    GdkGC   *(*create_gc)   (GdkDrawable   *,   GdkGCValues   *,
GdkGCValuesMask);
    void  (*draw_rectangle)  (GdkDrawable  *,  GdkGC  *,  gboolean,
gint, gint,
                              gint, gint);
    void  (*draw_arc)  (GdkDrawable  *,  GdkGC  *,  gboolean,  gint,
gint, gint,
                        gint, gint, gint);
    void  (*draw_polygon)  (GdkDrawable  *,  GdkGC  *,  gboolean,
GdkPoint *,
                            gint);
    void  (*draw_text)  (GdkDrawable  *,  GdkFont  *,  GdkGC  *,  gint,
gint,
                         const gchar *, gint);
    void  (*draw_text_wc)  (GdkDrawable  *,  GdkFont  *,  GdkGC  *,
gint, gint,
                            const GdkWChar *, gint);
    void (*draw_drawable) (GdkDrawable *, GdkGC *, GdkDrawable *,
gint,
                            gint, gint, gint, gint, gint);
    void  (*draw_points)  (GdkDrawable  *,  GdkGC  *,  GdkPoint  *,
gint);
    void (*draw_segments) (GdkDrawable *, GdkGC *, GdkSegment *,
gint);
    void  (*draw_lines)  (GdkDrawable  *,  GdkGC  *,  GdkPoint  *,
gint);
    void  (*draw_glyphs)  (GdkDrawable  *,  GdkGC  *,  PangoFont  *,
gint, gint,
                           PangoGlyphString *);
    void (*draw_image) (GdkDrawable *, GdkGC *, GdkImage *, gint,
gint,
                        gint, gint, gint, gint);
     gint(*get_depth) (GdkDrawable *);
    void (*get_size) (GdkDrawable *, gint *, gint *);
    void (*set_colormap) (GdkDrawable *, GdkColormap *);
    GdkColormap *(*get_colormap) (GdkDrawable *);
    GdkVisual *(*get_visual) (GdkDrawable *);
    GdkScreen *(*get_screen) (GdkDrawable *);
    GdkImage  *(*get_image)  (GdkDrawable  *,  gint,  gint,  gint,
gint);
    GdkRegion *(*get_clip_region) (GdkDrawable *);
    GdkRegion *(*get_visible_region) (GdkDrawable *);
    GdkDrawable  *(*get_composite_drawable)  (GdkDrawable  *,  gint,
gint,
                                              gint,  gint,  gint  *,
gint *);
    void  (*draw_pixbuf)  (GdkDrawable  *,  GdkGC  *,  GdkPixbuf  *,
gint, gint,
                           gint,  gint,  gint,  gint,  GdkRgbDither,
gint, gint);
    GdkImage *(*_copy_to_image) (GdkDrawable *, GdkImage *, gint,
gint,
                                 gint, gint, gint, gint);
    void  (*draw_glyphs_transformed)  (GdkDrawable  *,  GdkGC  *,
PangoMatrix *,
                                       PangoFont *, gint, gint,
                                       PangoGlyphString *);
    void (*draw_trapezoids) (GdkDrawable *, GdkGC *, GdkTrapezoid
*, gint);
    void (*_gdk_reserved3) (void);
    void (*_gdk_reserved4) (void);
    void (*_gdk_reserved5) (void);
    void (*_gdk_reserved6) (void);
    void (*_gdk_reserved7) (void);
```

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```
    void (*_gdk_reserved9) (void);
    void (*_gdk_reserved10) (void);
    void (*_gdk_reserved11) (void);
    void (*_gdk_reserved12) (void);
    void (*_gdk_reserved13) (void);
    void (*_gdk_reserved14) (void);
    void (*_gdk_reserved15) (void);
    void (*_gdk_reserved16) (void);
} GdkDrawableClass;
typedef struct _GdkPangoAttrEmbossed {
    PangoAttribute attr;
    gboolean embossed;
} GdkPangoAttrEmbossed;
typedef struct _GdkDisplayManagerClass {
    GObjectClass parent_class;
    void (*display_opened) (GdkDisplayManager *, GdkDisplay *);
} GdkDisplayManagerClass;
typedef struct _GdkPixmapObjectClass {
    GdkDrawableClass parent_class;
} GdkPixmapObjectClass;
typedef struct _GdkPangoRendererClass {
    PangoRendererClass parent_class;
} GdkPangoRendererClass;
typedef struct _GdkDisplayClass {
    GObjectClass parent_class;
    const gchar *(*get_display_name) (GdkDisplay *);
     gint(*get_n_screens) (GdkDisplay *);
    GdkScreen *(*get_screen) (GdkDisplay *, gint);
    GdkScreen *(*get_default_screen) (GdkDisplay *);
    void (*closed) (GdkDisplay *, gboolean);
} GdkDisplayClass;
typedef struct _GdkPangoAttrStipple {
    PangoAttribute attr;
    GdkBitmap *stipple;
} GdkPangoAttrStipple;
typedef struct _GdkColormapClass {
    GObjectClass parent_class;
} GdkColormapClass;
typedef struct _GdkDragContextClass {
    GObjectClass parent_class;
} GdkDragContextClass;
typedef struct _GdkWindowObjectClass {
    GdkDrawableClass parent_class;
} GdkWindowObjectClass;
typedef struct _GdkGCClass {
    GObjectClass parent_class;
    void (*get_values) (GdkGC *, GdkGCValues *);
    void (*set_values) (GdkGC *, GdkGCValues *, GdkGCValuesMask);
    void (*set_dashes) (GdkGC *, gint, gint8 *, gint);
    void (*_gdk_reserved1) (void);
    void (*_gdk_reserved2) (void);
    void (*_gdk_reserved3) (void);
    void (*_gdk_reserved4) (void);
} GdkGCClass;
typedef struct _GdkDeviceClass GdkDeviceClass;
typedef struct _GdkVisualClass GdkVisualClass;
typedef enum {
    GDK_OK = 0,
    GDK_ERROR = -1,
    GDK_ERROR_PARAM = -2,
    GDK_ERROR_FILE = -3,
    GDK_ERROR_MEM = -4
} GdkStatus;
typedef enum {
    GDK_PROPERTY_NEW_VALUE,
    GDK_PROPERTY_DELETE
```

```
} GdkPropertyState;
typedef enum {
    GDK_WA_TITLE = 1 << 1,
    GDK_WA_X = 1 << 2,
    GDK_WA_Y = 1 << 3,
    GDK_WA_CURSOR = 1 << 4,
    GDK_WA_COLORMAP = 1 << 5,
    GDK_WA_VISUAL = 1 << 6,
    GDK_WA_WMCLASS = 1 << 7,
    GDK_WA_NOREDIR = 1 << 8
} GdkWindowAttributesType;
extern void gdk_window_deiconify(GdkWindow *);
extern GType gdk_device_get_type(void);
extern void gdk_gc_set_clip_origin(GdkGC *, gint, gint);
extern GdkColormap *gdk_drawable_get_colormap(GdkDrawable *);
extern void gdk_flush(void);
extern gint gdk_screen_height_mm(void);
extern void gdk_display_get_pointer(GdkDisplay *, GdkScreen * *,
gint *,
                                    gint *, GdkModifierType *);
extern GdkEventMask gdk_window_get_events(GdkWindow *);
extern void gdk_window_scroll(GdkWindow *, gint, gint);
extern GType gdk_window_object_get_type(void);
extern   GdkCursor   *gdk_cursor_new_from_pixbuf(GdkDisplay   *,
GdkPixbuf *,
                                                 gint, gint);
extern GType gdk_axis_use_get_type(void);
extern GType gdk_fill_get_type(void);
extern void gdk_window_resize(GdkWindow *, gint, gint);
extern GdkKeymap *gdk_keymap_get_for_display(GdkDisplay *);
extern  void  gdk_display_add_client_message_filter(GdkDisplay  *,
GdkAtom,
                                                    GdkFilterFunc,
gpointer);
extern GdkPixmap *gdk_pixmap_create_from_xpm_d(GdkDrawable *,
                                               GdkBitmap * *,
                                               const GdkColor *,
                                               gchar * *);
extern                                                   gboolean
gdk_display_supports_selection_notification(GdkDisplay *);
extern                                                     GSList
*gdk_display_manager_list_displays(GdkDisplayManager *);
extern void gdk_gc_set_subwindow(GdkGC *, GdkSubwindowMode);
extern void gdk_gc_set_colormap(GdkGC *, GdkColormap *);
extern GType gdk_grab_status_get_type(void);
extern GType gdk_visual_get_type(void);
extern GdkVisual *gdk_rgb_get_visual(void);
extern GType gdk_event_get_type(void);
extern   void   gdk_display_set_double_click_time(GdkDisplay   *,
guint);
extern GList *gdk_devices_list(void);
extern  void  gdk_draw_layout_line(GdkDrawable  *,  GdkGC  *,  gint,
gint,
                                   PangoLayoutLine *);
extern gboolean gdk_init_check(int *, char ***);
extern gboolean gdk_event_get_root_coords(GdkEvent *, gdouble *,
                                          gdouble *);
extern     void     gdk_window_begin_resize_drag(GdkWindow     *,
GdkWindowEdge, gint,
                                             gint, gint, guint32);
extern guint gdk_keyval_from_name(const gchar *);
extern                                                   gboolean
gdk_display_request_selection_notification(GdkDisplay *,

GdkAtom);
extern void gdk_window_raise(GdkWindow *);
```

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```
extern GdkImage *gdk_image_new(GdkImageType, GdkVisual *, gint,
gint);
extern GdkAtom gdk_atom_intern(const gchar *, gboolean);
extern void gdk_window_get_frame_extents(GdkWindow *,
GdkRectangle *);
extern gboolean gdk_rectangle_intersect(GdkRectangle *,
GdkRectangle *,
                                        GdkRectangle *);
extern GdkWindow *gdk_selection_owner_get_for_display(GdkDisplay
*,
                                                      GdkAtom);
extern PangoRenderer *gdk_pango_renderer_get_default(GdkScreen
*);
extern gchar *gdk_get_display(void);
extern void gdk_gc_set_dashes(GdkGC *, gint, gint8 *, gint);
extern void gdk_device_set_key(GdkDevice *, guint, guint,
GdkModifierType);
extern                                                  void
gdk_pango_renderer_set_override_color(GdkPangoRenderer *,

PangoRenderPart,
                                                  const GdkColor
*);
extern void gdk_window_iconify(GdkWindow *);
extern void gdk_display_set_double_click_distance(GdkDisplay *,
guint);
extern GdkWindow *gdk_window_get_group(GdkWindow *);
extern GdkDevice *gdk_device_get_core_pointer(void);
extern guint gdk_color_hash(const GdkColor *);
extern void gdk_screen_get_monitor_geometry(GdkScreen *, gint,
                                            GdkRectangle *);
extern void gdk_device_set_source(GdkDevice *, GdkInputSource);
extern GType gdk_input_mode_get_type(void);
extern GdkWindow *gdk_get_default_root_window(void);
extern gchar *gdk_screen_make_display_name(GdkScreen *);
extern GdkGrabStatus gdk_pointer_grab(GdkWindow *, gboolean,
GdkEventMask,
                                      GdkWindow *, GdkCursor *,
guint32);
extern void gdk_window_set_title(GdkWindow *, const gchar *);
extern void gdk_property_delete(GdkWindow *, GdkAtom);
extern GdkColormap *gdk_rgb_get_colormap(void);
extern void gdk_free_text_list(gchar * *);
extern gint gdk_colormap_alloc_colors(GdkColormap *, GdkColor *,
gint,
                                      gboolean,         gboolean,
gboolean *);
extern void gdk_window_process_all_updates(void);
extern guint32 gdk_event_get_time(GdkEvent *);
extern gint gdk_text_property_to_text_list_for_display(GdkDisplay
*,
                                                       GdkAtom,
gint,
                                                       const
guchar *,
                                                       gint,
gchar * **);
extern GdkAtom gdk_drag_get_selection(GdkDragContext *);
extern GdkScreen *gdk_screen_get_default(void);
extern void gdk_window_set_skip_pager_hint(GdkWindow *,
gboolean);
extern GdkPixmap *gdk_pixmap_foreign_new(GdkNativeWindow);
extern GType gdk_window_hints_get_type(void);
extern void gdk_drag_drop(GdkDragContext *, guint32);
extern void gdk_gc_set_fill(GdkGC *, GdkFill);
extern void gdk_init(int *, char ***);
```

```
extern gboolean gdk_property_get(GdkWindow *, GdkAtom, GdkAtom,
gulong,
                                 gulong, gint, GdkAtom *, gint *,
gint *,
                                 guchar * *);
extern void gdk_gc_set_rgb_fg_color(GdkGC *, const GdkColor *);
extern void gdk_window_set_transient_for(GdkWindow *, GdkWindow
*);
extern                                                  GdkRegion
*gdk_pango_layout_line_get_clip_region(PangoLayoutLine *,
                                                        gint,
gint, gint *,
                                                        gint);
extern GdkVisual *gdk_screen_get_system_visual(GdkScreen *);
extern GdkDisplay
    *gdk_display_manager_get_default_display(GdkDisplayManager
*);
extern gint gdk_text_property_to_utf8_list(GdkAtom, gint, const
guchar *,
                                           gint, gchar * **);
extern      void      gdk_window_set_type_hint(GdkWindow      *,
GdkWindowTypeHint);
extern void gdk_parse_args(int *, char ***);
extern   GdkPixmap   *gdk_pixmap_create_from_xpm(GdkDrawable   *,
GdkBitmap * *,
                                                 const GdkColor *,
                                                 const gchar *);
extern void gdk_window_set_group(GdkWindow *, GdkWindow *);
extern void gdk_window_focus(GdkWindow *, guint32);
extern void gdk_event_set_screen(GdkEvent *, GdkScreen *);
extern void gdk_display_flush(GdkDisplay *);
extern GType gdk_owner_change_get_type(void);
extern void gdk_region_subtract(GdkRegion *, GdkRegion *);
extern GType gdk_cap_style_get_type(void);
extern void gdk_window_unstick(GdkWindow *);
extern void gdk_draw_glyphs(GdkDrawable *, GdkGC *, PangoFont *,
gint,
                            gint, PangoGlyphString *);
extern gint gdk_text_property_to_utf8_list_for_display(GdkDisplay
*,
                                                       GdkAtom,
gint,
                                                       const
guchar *,
                                                       gint,
gchar * **);
extern void gdk_drag_abort(GdkDragContext *, guint32);
extern GdkWindow *gdk_display_get_window_at_pointer(GdkDisplay *,
gint *,
                                                    gint *);
extern                                        GdkDisplayPointerHooks
*gdk_display_set_pointer_hooks(GdkDisplay *,

const

GdkDisplayPointerHooks
                                                                 *);
extern void gdk_window_set_debug_updates(gboolean);
extern gboolean gdk_spawn_command_line_on_screen(GdkScreen *,
                                                 const gchar *,
                                                 GError * *);
extern GdkRegion *gdk_region_copy(GdkRegion *);
extern GdkEvent *gdk_display_peek_event(GdkDisplay *);
extern GdkColormap *gdk_gc_get_colormap(GdkGC *);
extern void gdk_selection_send_notify(guint32, GdkAtom, GdkAtom,
GdkAtom,
```

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```
                                        guint32);
extern const char *gdk_get_program_class(void);
extern GType gdk_filter_return_get_type(void);
extern void gdk_drop_reply(GdkDragContext *, gboolean, guint32);
extern void gdk_threads_enter(void);
extern void gdk_device_free_history(GdkTimeCoord * *, gint);
extern  GdkImage  *gdk_drawable_get_image(GdkDrawable  *,  gint,
gint, gint,
                                          gint);
extern GType gdk_event_mask_get_type(void);
extern void gdk_set_program_class(const char *);
extern  void  gdk_draw_polygon(GdkDrawable  *,  GdkGC  *,  gboolean,
GdkPoint *,
                               gint);
extern GType gdk_function_get_type(void);
extern void gdk_display_close(GdkDisplay *);
extern gint gdk_screen_get_n_monitors(GdkScreen *);
extern  gboolean  gdk_keymap_translate_keyboard_state(GdkKeymap  *,
guint,

GdkModifierType, gint,
                                                        guint  *,  gint
*,
                                                        gint *,

GdkModifierType *);
extern GType gdk_rectangle_get_type(void);
extern GdkDisplay *gdk_screen_get_display(GdkScreen *);
extern GList *gdk_window_get_toplevels(void);
extern GdkVisual *gdk_visual_get_best_with_depth(gint);
extern gboolean gdk_display_supports_cursor_alpha(GdkDisplay *);
extern      void      gdk_window_set_decorations(GdkWindow      *,
GdkWMDecoration);
extern  PangoContext  *gdk_pango_context_get_for_screen(GdkScreen
*);
extern GdkVisual *gdk_colormap_get_visual(GdkColormap *);
extern void gdk_error_trap_push(void);
extern void gdk_display_beep(GdkDisplay *);
extern  gboolean  gdk_spawn_on_screen(GdkScreen  *,  const  gchar  *,
gchar * *,
                                      gchar * *, GSpawnFlags,
                                      GSpawnChildSetupFunc,
gpointer, gint *,
                                      GError * *);
extern void gdk_add_client_message_filter(GdkAtom, GdkFilterFunc,
                                          gpointer);
extern PangoDirection gdk_keymap_get_direction(GdkKeymap *);
extern PangoAttribute *gdk_pango_attr_stipple_new(GdkBitmap *);
extern void gdk_window_lower(GdkWindow *);
extern gboolean gdk_rgb_ditherable(void);
extern  gboolean  gdk_colormap_alloc_color(GdkColormap  *,  GdkColor
*,
                                           gboolean, gboolean);
extern GdkWindow *gdk_display_get_default_group(GdkDisplay *);
extern GType gdk_event_type_get_type(void);
extern GType gdk_color_get_type(void);
extern GType gdk_drag_protocol_get_type(void);
extern GType gdk_gravity_get_type(void);
extern gboolean gdk_events_pending(void);
extern GType gdk_input_condition_get_type(void);
extern GType gdk_input_source_get_type(void);
extern gchar *gdk_utf8_to_string_target(const gchar *);
extern void gdk_threads_init(void);
extern void gdk_gc_set_foreground(GdkGC *, const GdkColor *);
extern gint gdk_string_to_compound_text_for_display(GdkDisplay *,
```

```
                                                        const    gchar
*,
                                                        GdkAtom     *,
gint *,
                                                        guchar   *   *,
gint *);
extern GdkWindow *gdk_window_get_toplevel(GdkWindow *);
extern void gdk_drop_finish(GdkDragContext *, gboolean, guint32);
extern void gdk_window_set_functions(GdkWindow *, GdkWMFunction);
extern   void   gdk_window_invalidate_maybe_recurse(GdkWindow   *,
GdkRegion *,

gboolean(*_gdk_reserved4)
                                                  (GdkWindow      *,
gpointer)
                                                  , gpointer);
extern gint gdk_screen_get_height(GdkScreen *);
extern  gboolean  gdk_keymap_get_entries_for_keyval(GdkKeymap  *,
guint,
                                                    GdkKeymapKey   *
*,
                                                    gint *);
extern GdkDragContext *gdk_drag_context_new(void);
extern   void   gdk_colormap_query_color(GdkColormap   *,   gulong,
GdkColor *);
extern                                                        void
gdk_pixbuf_render_pixmap_and_mask_for_colormap(GdkPixbuf *,

GdkColormap *,

GdkPixmap * *,

GdkBitmap * *,
                                                                int);
extern void gdk_region_intersect(GdkRegion *, GdkRegion *);
extern GdkWindow *gdk_selection_owner_get(GdkAtom);
extern void gdk_draw_pixbuf(GdkDrawable *, GdkGC *, GdkPixbuf *,
gint,
                            gint,   gint,   gint,   gint,   gint,
GdkRgbDither,
                            gint, gint);
extern void gdk_rgb_cmap_free(GdkRgbCmap *);
extern GdkDisplay *gdk_display_open(const gchar *);
extern                                                  GdkPixmap
*gdk_pixmap_colormap_create_from_xpm_d(GdkDrawable *,

GdkColormap *,
                                                        GdkBitmap
* *,
                                                        const
GdkColor *,
                                                        gchar    *
*);
extern gboolean gdk_keyval_is_lower(guint);
extern GCallback gdk_threads_unlock;
extern GType gdk_modifier_type_get_type(void);
extern gint gdk_visual_get_best_depth(void);
extern gboolean gdk_setting_get(const gchar *, GValue *);
extern GType gdk_screen_get_type(void);
extern  guint32  gdk_drag_get_protocol_for_display(GdkDisplay  *,
guint32,
                                                   GdkDragProtocol
*);
extern GList *gdk_screen_get_toplevel_windows(GdkScreen *);
extern  GdkGC  *gdk_gc_new_with_values(GdkDrawable  *,  GdkGCValues
*,
```

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```
                                        GdkGCValuesMask);
extern GdkScreen *gdk_display_get_default_screen(GdkDisplay *);
extern gboolean gdk_drag_motion(GdkDragContext *, GdkWindow *,
                                GdkDragProtocol,    gint,    gint,
GdkDragAction,
                                GdkDragAction, guint32);
extern GdkRegion *gdk_drawable_get_visible_region(GdkDrawable *);
extern void gdk_pango_renderer_set_stipple(GdkPangoRenderer *,
                                           PangoRenderPart,
GdkBitmap *);
extern  void  gdk_display_get_maximal_cursor_size(GdkDisplay  *,
guint *,
                                                  guint *);
extern GdkRegion *gdk_window_get_update_area(GdkWindow *);
extern  void  gdk_drag_status(GdkDragContext  *,  GdkDragAction,
guint32);
extern gboolean gdk_keyval_is_upper(guint);
extern  void  gdk_window_begin_paint_region(GdkWindow  *,  GdkRegion
*);
extern void gdk_pango_renderer_set_drawable(GdkPangoRenderer *,
                                            GdkDrawable *);
extern  gint  gdk_screen_get_monitor_at_point(GdkScreen  *,  gint,
gint);
extern  gboolean  gdk_utf8_to_compound_text_for_display(GdkDisplay
*,
                                                        const  gchar
*,
                                                        GdkAtom   *,
gint *,
                                                        guchar  *  *,
gint *);
extern GdkColormap *gdk_image_get_colormap(GdkImage *);
extern gint gdk_window_get_origin(GdkWindow *, gint *, gint *);
extern void gdk_set_double_click_time(guint);
extern void gdk_gc_get_values(GdkGC *, GdkGCValues *);
extern GdkColor *gdk_color_copy(const GdkColor *);
extern void gdk_gc_set_tile(GdkGC *, GdkPixmap *);
extern  gboolean  gdk_event_get_coords(GdkEvent  *,  gdouble  *,
gdouble *);
extern void gdk_gc_set_ts_origin(GdkGC *, gint, gint);
extern GdkWindowType gdk_window_get_window_type(GdkWindow *);
extern void gdk_window_set_focus_on_map(GdkWindow *, gboolean);
extern  void  gdk_region_union_with_rect(GdkRegion  *,  GdkRectangle
*);
extern  gboolean  gdk_keymap_get_entries_for_keycode(GdkKeymap  *,
guint,
                                                     GdkKeymapKey  *
*,
                                                     guint   *   *,
gint *);
extern gboolean gdk_selection_property_get(GdkWindow *, guchar *
*,
                                           GdkAtom *, gint *);
extern void gdk_display_keyboard_ungrab(GdkDisplay *, guint32);
extern GdkDisplay *gdk_drawable_get_display(GdkDrawable *);
extern void gdk_gc_set_stipple(GdkGC *, GdkPixmap *);
extern  void  gdk_window_clear_area_e(GdkWindow  *,  gint,  gint,
gint, gint);
extern void gdk_window_set_keep_below(GdkWindow *, gboolean);
extern GType gdk_font_type_get_type(void);
extern GType gdk_visual_type_get_type(void);
extern GdkEvent *gdk_display_get_event(GdkDisplay *);
extern   void   gdk_pixbuf_render_pixmap_and_mask(GdkPixbuf   *,
GdkPixmap * *,
                                                  GdkBitmap   *   *,
int);
```

```
extern GdkVisual *gdk_drawable_get_visual(GdkDrawable *);
extern void gdk_image_set_colormap(GdkImage *, GdkColormap *);
extern guint gdk_keyval_to_upper(guint);
extern void gdk_set_show_events(gboolean);
extern GdkWindow *gdk_window_lookup_for_display(GdkDisplay *,
                                                GdkNativeWindow);
extern  GdkPixmap  *gdk_pixmap_new(GdkDrawable  *,  gint,  gint,
gint);
extern GdkColormap *gdk_screen_get_rgb_colormap(GdkScreen *);
extern void gdk_rgb_find_color(GdkColormap *, GdkColor *);
extern    void    gdk_window_set_override_redirect(GdkWindow    *,
gboolean);
extern void gdk_window_set_accept_focus(GdkWindow *, gboolean);
extern GdkEvent *gdk_event_peek(void);
extern void gdk_window_show(GdkWindow *);
extern GType gdk_overlap_type_get_type(void);
extern void gdk_window_show_unraised(GdkWindow *);
extern GType gdk_gc_values_mask_get_type(void);
extern   void   gdk_screen_broadcast_client_message(GdkScreen   *,
GdkEvent *);
extern void gdk_window_set_events(GdkWindow *, GdkEventMask);
extern   void   gdk_window_set_icon(GdkWindow   *,   GdkWindow   *,
GdkPixmap *,
                                GdkBitmap *);
extern GType gdk_join_style_get_type(void);
extern gboolean gdk_utf8_to_compound_text(const gchar *, GdkAtom
*, gint *,
                                          guchar * *, gint *);
extern void gdk_display_put_event(GdkDisplay *, GdkEvent *);
extern GList *gdk_window_peek_children(GdkWindow *);
extern   void   gdk_window_enable_synchronized_configure(GdkWindow
*);
extern void gdk_window_set_role(GdkWindow *, const gchar *);
extern GdkDisplay *gdk_display_get_default(void);
extern void gdk_window_remove_filter(GdkWindow *, GdkFilterFunc,
gpointer);
extern void gdk_gc_set_function(GdkGC *, GdkFunction);
extern GList *gdk_list_visuals(void);
extern    void    gdk_pixbuf_render_threshold_alpha(GdkPixbuf    *,
GdkBitmap *,
                                                int, int, int, int,
int, int,
                                                int);
extern   void   gdk_region_spans_intersect_foreach(GdkRegion   *,
GdkSpan *, int,
                                                 gboolean,
GdkSpanFunc,
                                                 gpointer);
extern void gdk_display_pointer_ungrab(GdkDisplay *, guint32);
extern GdkColormap *gdk_screen_get_default_colormap(GdkScreen *);
extern gboolean gdk_rgb_colormap_ditherable(GdkColormap *);
extern void gdk_window_move(GdkWindow *, gint, gint);
extern    GdkImage    *gdk_drawable_copy_to_image(GdkDrawable    *,
GdkImage *,
                                              gint,   gint,   gint,
gint, gint,
                                              gint);
extern void gdk_window_reparent(GdkWindow *, GdkWindow *, gint,
gint);
extern GList *gdk_display_list_devices(GdkDisplay *);
extern GdkVisual *gdk_screen_get_rgb_visual(GdkScreen *);
extern void gdk_set_sm_client_id(const gchar *);
extern void gdk_region_destroy(GdkRegion *);
extern                                                      void
gdk_display_manager_set_default_display(GdkDisplayManager *,
```

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```
                                                        GdkDisplay
*);
extern void gdk_beep(void);
extern GdkColormap *gdk_colormap_get_system(void);
extern void gdk_display_store_clipboard(GdkDisplay *, GdkWindow
*, guint32,
                                        GdkAtom *, gint);
extern gint gdk_error_trap_pop(void);
extern PangoAttribute *gdk_pango_attr_embossed_new(gboolean);
extern void gdk_drawable_set_colormap(GdkDrawable *, GdkColormap
*);
extern GdkDisplay *gdk_cursor_get_display(GdkCursor *);
extern void gdk_window_add_filter(GdkWindow *, GdkFilterFunc,
gpointer);
extern void gdk_draw_line(GdkDrawable *, GdkGC *, gint, gint,
gint, gint);
extern gboolean gdk_event_send_client_message(GdkEvent *,
GdkNativeWindow);
extern void gdk_window_set_geometry_hints(GdkWindow *,
GdkGeometry *,
                                          GdkWindowHints);
extern GType gdk_window_class_get_type(void);
extern guint gdk_unicode_to_keyval(guint32);
extern void gdk_draw_arc(GdkDrawable *, GdkGC *, gboolean, gint,
gint,
                         gint, gint, gint, gint);
extern void gdk_event_handler_set(GdkEventFunc, gpointer,
GDestroyNotify);
extern void gdk_region_get_clipbox(GdkRegion *, GdkRectangle *);
extern GType gdk_drawable_get_type(void);
extern void gdk_window_clear_area(GdkWindow *, gint, gint, gint,
gint);
extern void gdk_draw_layout(GdkDrawable *, GdkGC *, int, int,
                            PangoLayout *);
extern void gdk_window_get_root_origin(GdkWindow *, gint *, gint
*);
extern gint gdk_color_parse(const gchar *, GdkColor *);
extern void gdk_window_set_skip_taskbar_hint(GdkWindow *,
gboolean);
extern GType gdk_gc_get_type(void);
extern GdkRegion *gdk_pango_layout_get_clip_region(PangoLayout *,
gint,
                                                   gint, gint *,
gint);
extern void gdk_window_fullscreen(GdkWindow *);
extern gchar *gdk_keyval_name(guint);
extern GdkCursor *gdk_cursor_new(GdkCursorType);
extern PangoContext *gdk_pango_context_get(void);
extern GType gdk_rgb_dither_get_type(void);
extern void gdk_window_hide(GdkWindow *);
extern void gdk_window_register_dnd(GdkWindow *);
extern GType gdk_notify_type_get_type(void);
extern void gdk_window_invalidate_rect(GdkWindow *, GdkRectangle
*,
                                       gboolean);
extern void gdk_window_unmaximize(GdkWindow *);
extern void gdk_gc_copy(GdkGC *, GdkGC *);
extern guint gdk_display_get_default_cursor_size(GdkDisplay *);
extern void gdk_window_set_cursor(GdkWindow *, GdkCursor *);
extern void gdk_keyval_convert_case(guint, guint *, guint *);
extern GdkVisual *gdk_visual_get_best_with_type(GdkVisualType);
extern void gdk_gc_set_exposures(GdkGC *, gboolean);
extern GdkDisplayManager *gdk_display_manager_get(void);
extern void gdk_gc_set_background(GdkGC *, const GdkColor *);
extern void gdk_draw_point(GdkDrawable *, GdkGC *, gint, gint);
extern GdkVisual *gdk_visual_get_best(void);
```

```
extern GList *gdk_window_get_children(GdkWindow *);
extern gint gdk_screen_height(void);
extern void gdk_selection_convert(GdkWindow *, GdkAtom, GdkAtom,
guint32);
extern GdkWindow *gdk_window_get_pointer(GdkWindow *, gint *,
gint *,
                                          GdkModifierType *);
extern void gdk_window_end_paint(GdkWindow *);
extern GType gdk_pixmap_get_type(void);
extern GType gdk_property_state_get_type(void);
extern void gdk_window_maximize(GdkWindow *);
extern void gdk_window_get_user_data(GdkWindow *, gpointer *);
extern GdkGrabStatus gdk_keyboard_grab(GdkWindow *, gboolean,
guint32);
extern GType gdk_visibility_state_get_type(void);
extern void gdk_draw_indexed_image(GdkDrawable *, GdkGC *, gint,
gint,
                                   gint,    gint,    GdkRgbDither,
guchar *,
                                   gint, GdkRgbCmap *);
extern gboolean gdk_color_equal(const GdkColor *, const GdkColor
*);
extern gboolean gdk_region_empty(GdkRegion *);
extern void gdk_region_offset(GdkRegion *, gint, gint);
extern gint gdk_string_to_compound_text(const gchar *, GdkAtom *,
gint *,
                                        guchar * *, gint *);
extern GdkScreen *gdk_gc_get_screen(GdkGC *);
extern     GdkOverlapType     gdk_region_rect_in(GdkRegion     *,
GdkRectangle *);
extern GType gdk_cursor_type_get_type(void);
extern   gboolean   gdk_window_set_static_gravities(GdkWindow   *,
gboolean);
extern gint gdk_screen_get_number(GdkScreen *);
extern void gdk_draw_segments(GdkDrawable *, GdkGC *, GdkSegment
*, gint);
extern guint32 gdk_keyval_to_unicode(guint);
extern void gdk_draw_layout_line_with_colors(GdkDrawable *, GdkGC
*, gint,
                                             gint,
PangoLayoutLine *,
                                             const GdkColor *,
                                             const GdkColor *);
extern void gdk_property_change(GdkWindow *, GdkAtom, GdkAtom,
gint,
                                GdkPropMode,   const   guchar   *,
gint);
extern                                                   gboolean
gdk_event_send_client_message_for_display(GdkDisplay *,

GdkEvent *,

GdkNativeWindow);
extern gboolean gdk_screen_get_setting(GdkScreen *, const gchar
*,
                                       GValue *);
extern GList *gdk_screen_list_visuals(GdkScreen *);
extern GType gdk_window_attributes_type_get_type(void);
extern GdkWindow *gdk_window_new(GdkWindow *, GdkWindowAttr *,
gint);
extern void gdk_window_begin_move_drag(GdkWindow *, gint, gint,
gint,
                                       guint32);
extern   void   gdk_device_get_state(GdkDevice   *,   GdkWindow   *,
gdouble *,
                                     GdkModifierType *);
```

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```
extern void gdk_window_set_modal_hint(GdkWindow *, gboolean);
extern GdkEvent *gdk_event_new(GdkEventType);
extern void gdk_window_destroy(GdkWindow *);
extern GType gdk_wm_function_get_type(void);
extern GdkColormap *gdk_colormap_new(GdkVisual *, gboolean);
extern void gdk_draw_rgb_32_image(GdkDrawable *, GdkGC *, gint,
gint, gint,
                                  gint, GdkRgbDither, guchar *,
gint);
extern void gdk_window_set_background(GdkWindow *, const GdkColor
*);
extern void gdk_window_stick(GdkWindow *);
extern GType gdk_pango_renderer_get_type(void);
extern void gdk_window_set_back_pixmap(GdkWindow *, GdkPixmap *,
gboolean);
extern gboolean gdk_display_supports_cursor_color(GdkDisplay *);
extern GdkDragContext *gdk_drag_begin(GdkWindow *, GList *);
extern void gdk_notify_startup_complete(void);
extern void gdk_display_sync(GdkDisplay *);
extern gboolean gdk_event_get_state(GdkEvent *, GdkModifierType
*);
extern void gdk_gc_set_values(GdkGC *, GdkGCValues *,
GdkGCValuesMask);
extern GdkEvent *gdk_event_get_graphics_expose(GdkWindow *);
extern void gdk_color_free(GdkColor *);
extern void gdk_rectangle_union(GdkRectangle *, GdkRectangle *,
                                GdkRectangle *);
extern void gdk_window_configure_finished(GdkWindow *);
extern gboolean gdk_drag_drop_succeeded(GdkDragContext *);
extern gint gdk_display_get_n_screens(GdkDisplay *);
extern void gdk_draw_layout_with_colors(GdkDrawable *, GdkGC *,
int, int,
                                        PangoLayout *, const
GdkColor *,
                                        const GdkColor *);
extern gint gdk_drawable_get_depth(GdkDrawable *);
extern GdkPixmap *gdk_pixmap_foreign_new_for_display(GdkDisplay
*,

GdkNativeWindow);
extern void gdk_event_send_clientmessage_toall(GdkEvent *);
extern GdkPixbuf *gdk_pixbuf_get_from_drawable(GdkPixbuf *,
GdkDrawable *,
                                               GdkColormap *,
int, int,
                                               int, int, int,
int);
extern void gdk_draw_gray_image(GdkDrawable *, GdkGC *, gint,
gint, gint,
                                gint, GdkRgbDither, guchar *,
gint);
extern gint gdk_text_property_to_text_list(GdkAtom, gint, const
guchar *,
                                           gint, gchar * **);
extern GCallback gdk_threads_lock;
extern gboolean gdk_region_equal(GdkRegion *, GdkRegion *);
extern GdkEvent *gdk_event_get(void);
extern void gdk_window_freeze_updates(GdkWindow *);
extern GdkScreen *gdk_visual_get_screen(GdkVisual *);
extern gboolean gdk_device_get_history(GdkDevice *, GdkWindow *,
guint32,
                                       guint32, GdkTimeCoord *
**, gint *);
extern void gdk_image_put_pixel(GdkImage *, gint, gint, guint32);
extern void gdk_screen_set_default_colormap(GdkScreen *,
GdkColormap *);
```

```
extern GType gdk_wm_decoration_get_type(void);
extern void gdk_draw_image(GdkDrawable *, GdkGC *, GdkImage *,
gint, gint,
                           gint, gint, gint, gint);
extern    void    gdk_window_shape_combine_region(GdkWindow    *,
GdkRegion *, gint,
                                                  gint);
extern GdkGC *gdk_gc_new(GdkDrawable *);
extern GType gdk_status_get_type(void);
extern void gdk_window_set_keep_above(GdkWindow *, gboolean);
extern gboolean gdk_selection_owner_set_for_display(GdkDisplay *,
                                                    GdkWindow  *,
GdkAtom,
                                                    guint32,
gboolean);
extern GdkDevice *gdk_display_get_core_pointer(GdkDisplay *);
extern void gdk_cursor_unref(GdkCursor *);
extern GType gdk_display_manager_get_type(void);
extern const gchar *gdk_get_display_arg_name(void);
extern gboolean gdk_window_is_visible(GdkWindow *);
extern void gdk_region_union(GdkRegion *, GdkRegion *);
extern gint gdk_screen_get_width_mm(GdkScreen *);
extern void gdk_draw_lines(GdkDrawable *, GdkGC *, GdkPoint *,
gint);
extern GType gdk_colormap_get_type(void);
extern guint32 gdk_drag_get_protocol(guint32, GdkDragProtocol *);
extern gint gdk_screen_get_width(GdkScreen *);
extern void gdk_selection_send_notify_for_display(GdkDisplay *,
guint32,
                                                  GdkAtom,
GdkAtom,
                                                  GdkAtom,
guint32);
extern gchar *gdk_set_locale(void);
extern GdkKeymap *gdk_keymap_get_default(void);
extern GdkScreen *gdk_colormap_get_screen(GdkColormap *);
extern GType gdk_byte_order_get_type(void);
extern void gdk_window_constrain_size(GdkGeometry *, guint, gint,
gint,
                                      gint *, gint *);
extern GdkWindow *gdk_screen_get_root_window(GdkScreen *);
extern void gdk_window_set_user_data(GdkWindow *, gpointer);
extern void gdk_colormap_free_colors(GdkColormap *, GdkColor *,
gint);
extern void gdk_window_get_internal_paint_info(GdkWindow *,
                                               GdkDrawable  *  *,
gint *,
                                               gint *);
extern gboolean gdk_window_is_viewable(GdkWindow *);
extern                    struct                    _GdkDrawable
*gdk_bitmap_create_from_data(GdkDrawable *,
                                                        const
gchar *,
                                                        gint,
gint);
extern void gdk_window_unfullscreen(GdkWindow *);
extern void gdk_drag_find_window(GdkDragContext *, GdkWindow *,
gint, gint,
                                 GdkWindow  *  *,  GdkDragProtocol
*);
extern GType gdk_keymap_get_type(void);
extern GType gdk_window_type_hint_get_type(void);
extern void gdk_gc_set_clip_mask(GdkGC *, GdkBitmap *);
extern gchar *gdk_atom_name(GdkAtom);
extern void gdk_rgb_set_verbose(gboolean);
```

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```
extern void gdk_draw_rgb_image(GdkDrawable *, GdkGC *, gint,
gint, gint,
                                gint, GdkRgbDither, guchar *,
gint);
extern void gdk_query_visual_types(GdkVisualType * *, gint *);
extern GType gdk_crossing_mode_get_type(void);
extern void gdk_draw_trapezoids(GdkDrawable *, GdkGC *,
GdkTrapezoid *,
                                gint);
extern GdkPixmap *gdk_pixmap_create_from_data(GdkDrawable *,
const gchar *,
                                              gint, gint, gint,
                                              const GdkColor *,
                                              const GdkColor *);
extern GType gdk_line_style_get_type(void);
extern gboolean gdk_window_get_decorations(GdkWindow *,
GdkWMDecoration *);
extern GType gdk_window_state_get_type(void);
extern void gdk_gc_offset(GdkGC *, gint, gint);
extern void gdk_event_free(GdkEvent *);
extern void gdk_gc_set_clip_region(GdkGC *, GdkRegion *);
extern gboolean gdk_device_set_mode(GdkDevice *, GdkInputMode);
extern void gdk_query_depths(gint * *, gint *);
extern void gdk_draw_rgb_32_image_dithalign(GdkDrawable *, GdkGC
*, gint,
                                            gint, gint, gint,
GdkRgbDither,
                                            guchar *, gint, gint,
gint);
extern GType gdk_subwindow_mode_get_type(void);
extern void gdk_rgb_set_install(gboolean);
extern guint gdk_keyval_to_lower(guint);
extern GType gdk_window_edge_get_type(void);
extern GdkPixmap *gdk_pixmap_lookup_for_display(GdkDisplay *,
                                                GdkNativeWindow);
extern gboolean gdk_display_pointer_is_grabbed(GdkDisplay *);
extern GType gdk_prop_mode_get_type(void);
extern void gdk_window_withdraw(GdkWindow *);
extern void gdk_drawable_get_size(GdkDrawable *, gint *, gint *);
extern void gdk_window_merge_child_shapes(GdkWindow *);
extern guint gdk_keymap_lookup_key(GdkKeymap *, const
GdkKeymapKey *);
extern GdkRegion *gdk_region_polygon(GdkPoint *, gint,
GdkFillRule);
extern void gdk_window_clear(GdkWindow *);
extern const gchar *gdk_display_get_name(GdkDisplay *);
extern void gdk_pango_renderer_set_gc(GdkPangoRenderer *, GdkGC
*);
extern gboolean gdk_spawn_on_screen_with_pipes(GdkScreen *, const
gchar *,
                                               gchar * *, gchar *
*,
                                               GSpawnFlags,

GSpawnChildSetupFunc,
                                               gpointer, gint *,
gint *,
                                               gint *, gint *,
GError * *);
extern void gdk_event_put(GdkEvent *);
extern GType gdk_window_type_get_type(void);
extern GdkScreen *gdk_event_get_screen(GdkEvent *);
extern GdkPointerHooks *gdk_set_pointer_hooks(const
GdkPointerHooks *);
extern void gdk_draw_glyphs_transformed(GdkDrawable *, GdkGC *,
```

```
                                        PangoMatrix  *,  PangoFont
*, gint,
                                        gint,     PangoGlyphString
*);
extern void gdk_draw_rgb_image_dithalign(GdkDrawable *, GdkGC *,
gint,
                                         gint,     gint,     gint,
GdkRgbDither,
                                         guchar  *,  gint,  gint,
gint);
extern void gdk_window_process_updates(GdkWindow *, gboolean);
extern GType gdk_extension_mode_get_type(void);
extern   gboolean   gdk_event_get_axis(GdkEvent   *,   GdkAxisUse,
gdouble *);
extern void gdk_gc_set_clip_rectangle(GdkGC *, GdkRectangle *);
extern void gdk_gc_set_rgb_bg_color(GdkGC *, const GdkColor *);
extern void gdk_region_xor(GdkRegion *, GdkRegion *);
extern GdkCursor *gdk_cursor_ref(GdkCursor *);
extern       GdkVisual       *gdk_visual_get_best_with_both(gint,
GdkVisualType);
extern GType gdk_scroll_direction_get_type(void);
extern  void  gdk_draw_points(GdkDrawable  *,  GdkGC  *,  GdkPoint  *,
gint);
extern GdkRgbCmap *gdk_rgb_cmap_new(guint32 *, gint);
extern GdkWindow *gdk_window_foreign_new(GdkNativeWindow);
extern GdkWindow *gdk_window_get_parent(GdkWindow *);
extern void gdk_draw_drawable(GdkDrawable *, GdkGC *, GdkDrawable
*, gint,
                              gint, gint, gint, gint, gint);
extern void gdk_threads_set_lock_functions(GCallback, GCallback);
extern gint gdk_screen_get_height_mm(GdkScreen *);
extern  gboolean  gdk_device_get_axis(GdkDevice  *,  gdouble  *,
GdkAxisUse,
                                      gdouble *);
extern gboolean gdk_get_show_events(void);
extern void gdk_window_begin_paint_rect(GdkWindow *, GdkRectangle
*);
extern void gdk_pointer_ungrab(guint32);
extern GdkPixmap *gdk_pixmap_lookup(GdkNativeWindow);
extern void gdk_threads_leave(void);
extern gboolean gdk_pointer_is_grabbed(void);
extern gboolean gdk_region_point_in(GdkRegion *, int, int);
extern GdkWindowState gdk_window_get_state(GdkWindow *);
extern void gdk_region_get_rectangles(GdkRegion *, GdkRectangle *
*,
                                      gint *);
extern void gdk_draw_rectangle(GdkDrawable *, GdkGC *, gboolean,
gint,
                               gint, gint, gint);
extern    void    gdk_gc_set_line_attributes(GdkGC    *,    gint,
GdkLineStyle,
                                         GdkCapStyle,
GdkJoinStyle);
extern void gdk_window_get_geometry(GdkWindow *, gint *, gint *,
gint *,
                                    gint *, gint *);
extern void gdk_rgb_set_min_colors(gint);
extern    gint    gdk_screen_get_monitor_at_window(GdkScreen    *,
GdkWindow *);
extern  GdkWindow  *gdk_window_foreign_new_for_display(GdkDisplay
*,

GdkNativeWindow);
extern GdkRegion *gdk_region_rectangle(GdkRectangle *);
extern void gdk_window_set_icon_list(GdkWindow *, GList *);
```

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```
extern GdkPixbuf *gdk_pixbuf_get_from_image(GdkPixbuf *, GdkImage
*,
                                            GdkColormap  *,  int,
int, int,
                                            int, int, int);
extern   void   gdk_device_set_axis_use(GdkDevice   *,   guint,
GdkAxisUse);
extern void gdk_keyboard_ungrab(guint32);
extern GdkWindow *gdk_window_at_pointer(gint *, gint *);
extern GdkVisual *gdk_visual_get_system(void);
extern  void  gdk_drag_find_window_for_screen(GdkDragContext  *,
GdkWindow *,
                                            GdkScreen  *,  gint,
gint,
                                            GdkWindow * *,
                                            GdkDragProtocol *);
extern GdkRegion *gdk_region_new(void);
extern GType gdk_image_type_get_type(void);
extern GType gdk_image_get_type(void);
extern                                                   gboolean
gdk_display_supports_clipboard_persistence(GdkDisplay *);
extern gint gdk_screen_width(void);
extern void gdk_input_set_extension_events(GdkWindow *, gint,
                                           GdkExtensionMode);
extern GType gdk_display_get_type(void);
extern   GdkCursor   *gdk_cursor_new_for_display(GdkDisplay   *,
GdkCursorType);
extern GdkRegion *gdk_drawable_get_clip_region(GdkDrawable *);
extern GdkScreen *gdk_display_get_screen(GdkDisplay *, gint);
extern GdkColormap *gdk_screen_get_system_colormap(GdkScreen *);
extern GdkVisualType gdk_visual_get_best_type(void);
extern GType gdk_setting_action_get_type(void);
extern   GdkCursor   *gdk_cursor_new_from_pixmap(GdkPixmap   *,
GdkPixmap *,
                                             const GdkColor *,
                                             const  GdkColor  *,
gint, gint);
extern GType gdk_fill_rule_get_type(void);
extern  void  gdk_window_invalidate_region(GdkWindow  *,  GdkRegion
*,
                                         gboolean);
extern gint gdk_screen_width_mm(void);
extern void gdk_window_set_child_shapes(GdkWindow *);
extern void gdk_window_move_resize(GdkWindow *, gint, gint, gint,
gint);
extern GType gdk_cursor_get_type(void);
extern void gdk_free_compound_text(guchar *);
extern PangoRenderer *gdk_pango_renderer_new(GdkScreen *);
extern GdkScreen *gdk_drawable_get_screen(GdkDrawable *);
extern GdkWindow *gdk_window_lookup(GdkNativeWindow);
extern void gdk_window_set_icon_name(GdkWindow *, const gchar *);
extern GType gdk_drag_context_get_type(void);
extern void gdk_window_thaw_updates(GdkWindow *);
extern  GdkPixmap  *gdk_pixmap_colormap_create_from_xpm(GdkDrawable
*,
                                                        GdkColormap
*,
                                                        GdkBitmap  *
*,
                                                        const
GdkColor *,
                                                        const  gchar
*);
extern GdkEvent *gdk_event_copy(GdkEvent *);
extern  gboolean  gdk_selection_owner_set(GdkWindow  *,  GdkAtom,
guint32,
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                                        gboolean);
extern void gdk_window_get_position(GdkWindow *, gint *, gint *);
extern GType gdk_drag_action_get_type(void);
extern guint32 gdk_image_get_pixel(GdkImage *, gint, gint);
extern void gdk_window_shape_combine_mask(GdkWindow *, GdkBitmap
*, gint,
                                          gint);
extern void gdk_region_shrink(GdkRegion *, int, int);
```

12.21.2 gtk-2.0/gdk/gdkkeysyms.h

```
#define GDK_space       0x020
#define GDK_exclam      0x021
#define GDK_quotedbl    0x022
#define GDK_numbersign  0x023
#define GDK_dollar      0x024
#define GDK_percent     0x025
#define GDK_ampersand   0x026
#define GDK_apostrophe  0x027
#define GDK_quoteright  0x027
#define GDK_parenleft   0x028
#define GDK_parenright  0x029
#define GDK_asterisk    0x02a
#define GDK_plus        0x02b
#define GDK_comma       0x02c
#define GDK_minus       0x02d
#define GDK_period      0x02e
#define GDK_slash       0x02f
#define GDK_0   0x030
#define GDK_1   0x031
#define GDK_2   0x032
#define GDK_3   0x033
#define GDK_4   0x034
#define GDK_5   0x035
#define GDK_6   0x036
#define GDK_7   0x037
#define GDK_8   0x038
#define GDK_9   0x039
#define GDK_colon       0x03a
#define GDK_semicolon   0x03b
#define GDK_less        0x03c
#define GDK_equal       0x03d
#define GDK_greater     0x03e
#define GDK_question    0x03f
#define GDK_at  0x040
#define GDK_A   0x041
#define GDK_B   0x042
#define GDK_C   0x043
#define GDK_D   0x044
#define GDK_E   0x045
#define GDK_F   0x046
#define GDK_G   0x047
#define GDK_H   0x048
#define GDK_I   0x049
#define GDK_J   0x04a
#define GDK_K   0x04b
#define GDK_L   0x04c
#define GDK_M   0x04d
#define GDK_N   0x04e
#define GDK_O   0x04f
#define GDK_P   0x050
#define GDK_Q   0x051
#define GDK_R   0x052
#define GDK_S   0x053
#define GDK_T   0x054
```

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```
#define GDK_U   0x055
#define GDK_V   0x056
#define GDK_W   0x057
#define GDK_X   0x058
#define GDK_Y   0x059
#define GDK_Z   0x05a
#define GDK_bracketleft 0x05b
#define GDK_backslash   0x05c
#define GDK_bracketright        0x05d
#define GDK_asciicircum 0x05e
#define GDK_underscore  0x05f
#define GDK_grave       0x060
#define GDK_quoteleft   0x060
#define GDK_a   0x061
#define GDK_b   0x062
#define GDK_c   0x063
#define GDK_d   0x064
#define GDK_e   0x065
#define GDK_f   0x066
#define GDK_g   0x067
#define GDK_h   0x068
#define GDK_i   0x069
#define GDK_j   0x06a
#define GDK_k   0x06b
#define GDK_l   0x06c
#define GDK_m   0x06d
#define GDK_n   0x06e
#define GDK_o   0x06f
#define GDK_p   0x070
#define GDK_q   0x071
#define GDK_r   0x072
#define GDK_s   0x073
#define GDK_t   0x074
#define GDK_u   0x075
#define GDK_v   0x076
#define GDK_w   0x077
#define GDK_x   0x078
#define GDK_y   0x079
#define GDK_z   0x07a
#define GDK_braceleft   0x07b
#define GDK_bar 0x07c
#define GDK_braceright  0x07d
#define GDK_asciitilde  0x07e
#define GDK_nobreakspace        0x0a0
#define GDK_exclamdown  0x0a1
#define GDK_cent        0x0a2
#define GDK_sterling    0x0a3
#define GDK_currency    0x0a4
#define GDK_yen 0x0a5
#define GDK_brokenbar   0x0a6
#define GDK_section     0x0a7
#define GDK_diaeresis   0x0a8
#define GDK_copyright   0x0a9
#define GDK_ordfeminine 0x0aa
#define GDK_guillemotleft       0x0ab
#define GDK_notsign     0x0ac
#define GDK_hyphen      0x0ad
#define GDK_registered  0x0ae
#define GDK_macron      0x0af
#define GDK_degree      0x0b0
#define GDK_plusminus   0x0b1
#define GDK_twosuperior 0x0b2
#define GDK_threesuperior       0x0b3
#define GDK_acute       0x0b4
#define GDK_mu  0x0b5
#define GDK_paragraph   0x0b6
```

```
#define GDK_periodcentered      0x0b7
#define GDK_cedilla     0x0b8
#define GDK_onesuperior 0x0b9
#define GDK_masculine   0x0ba
#define GDK_guillemotright      0x0bb
#define GDK_onequarter  0x0bc
#define GDK_onehalf     0x0bd
#define GDK_threequarters       0x0be
#define GDK_questiondown        0x0bf
#define GDK_Agrave      0x0c0
#define GDK_Aacute      0x0c1
#define GDK_Acircumflex 0x0c2
#define GDK_Atilde      0x0c3
#define GDK_Adiaeresis  0x0c4
#define GDK_Aring       0x0c5
#define GDK_AE  0x0c6
#define GDK_Ccedilla    0x0c7
#define GDK_Egrave      0x0c8
#define GDK_Eacute      0x0c9
#define GDK_Ecircumflex 0x0ca
#define GDK_Ediaeresis  0x0cb
#define GDK_Igrave      0x0cc
#define GDK_Iacute      0x0cd
#define GDK_Icircumflex 0x0ce
#define GDK_Idiaeresis  0x0cf
#define GDK_ETH 0x0d0
#define GDK_Eth 0x0d0
#define GDK_Ntilde      0x0d1
#define GDK_Ograve      0x0d2
#define GDK_Oacute      0x0d3
#define GDK_Ocircumflex 0x0d4
#define GDK_Otilde      0x0d5
#define GDK_Odiaeresis  0x0d6
#define GDK_multiply    0x0d7
#define GDK_Ooblique    0x0d8
#define GDK_Ugrave      0x0d9
#define GDK_Uacute      0x0da
#define GDK_Ucircumflex 0x0db
#define GDK_Udiaeresis  0x0dc
#define GDK_Yacute      0x0dd
#define GDK_THORN       0x0de
#define GDK_Thorn       0x0de
#define GDK_ssharp      0x0df
#define GDK_agrave      0x0e0
#define GDK_aacute      0x0e1
#define GDK_acircumflex 0x0e2
#define GDK_atilde      0x0e3
#define GDK_adiaeresis  0x0e4
#define GDK_aring       0x0e5
#define GDK_ae  0x0e6
#define GDK_ccedilla    0x0e7
#define GDK_egrave      0x0e8
#define GDK_eacute      0x0e9
#define GDK_ecircumflex 0x0ea
#define GDK_ediaeresis  0x0eb
#define GDK_igrave      0x0ec
#define GDK_iacute      0x0ed
#define GDK_icircumflex 0x0ee
#define GDK_idiaeresis  0x0ef
#define GDK_eth 0x0f0
#define GDK_ntilde      0x0f1
#define GDK_ograve      0x0f2
#define GDK_oacute      0x0f3
#define GDK_ocircumflex 0x0f4
#define GDK_otilde      0x0f5
#define GDK_odiaeresis  0x0f6
```

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```
#define GDK_division    0x0f7
#define GDK_oslash      0x0f8
#define GDK_ugrave      0x0f9
#define GDK_uacute      0x0fa
#define GDK_ucircumflex 0x0fb
#define GDK_udiaeresis  0x0fc
#define GDK_yacute      0x0fd
#define GDK_thorn       0x0fe
#define GDK_ydiaeresis  0x0ff
#define GDK_OE  0x13bc
#define GDK_oe  0x13bd
#define GDK_Ydiaeresis  0x13be
#define GDK_Aogonek     0x1a1
#define GDK_breve       0x1a2
#define GDK_Lstroke     0x1a3
#define GDK_Lcaron      0x1a5
#define GDK_Sacute      0x1a6
#define GDK_Scaron      0x1a9
#define GDK_Scedilla    0x1aa
#define GDK_Tcaron      0x1ab
#define GDK_Zacute      0x1ac
#define GDK_Zcaron      0x1ae
#define GDK_Zabovedot   0x1af
#define GDK_aogonek     0x1b1
#define GDK_ogonek      0x1b2
#define GDK_lstroke     0x1b3
#define GDK_lcaron      0x1b5
#define GDK_sacute      0x1b6
#define GDK_caron       0x1b7
#define GDK_scaron      0x1b9
#define GDK_scedilla    0x1ba
#define GDK_tcaron      0x1bb
#define GDK_zacute      0x1bc
#define GDK_doubleacute 0x1bd
#define GDK_zcaron      0x1be
#define GDK_zabovedot   0x1bf
#define GDK_Racute      0x1c0
#define GDK_Abreve      0x1c3
#define GDK_Lacute      0x1c5
#define GDK_Cacute      0x1c6
#define GDK_Ccaron      0x1c8
#define GDK_Eogonek     0x1ca
#define GDK_Ecaron      0x1cc
#define GDK_Dcaron      0x1cf
#define GDK_Dstroke     0x1d0
#define GDK_Nacute      0x1d1
#define GDK_Ncaron      0x1d2
#define GDK_Odoubleacute        0x1d5
#define GDK_Rcaron      0x1d8
#define GDK_Uring       0x1d9
#define GDK_Udoubleacute        0x1db
#define GDK_Tcedilla    0x1de
#define GDK_racute      0x1e0
#define GDK_abreve      0x1e3
#define GDK_lacute      0x1e5
#define GDK_cacute      0x1e6
#define GDK_ccaron      0x1e8
#define GDK_eogonek     0x1ea
#define GDK_ecaron      0x1ec
#define GDK_dcaron      0x1ef
#define GDK_dstroke     0x1f0
#define GDK_nacute      0x1f1
#define GDK_ncaron      0x1f2
#define GDK_odoubleacute        0x1f5
#define GDK_rcaron      0x1f8
#define GDK_uring       0x1f9
```

```
#define GDK_udoubleacute        0x1fb
#define GDK_tcedilla    0x1fe
#define GDK_abovedot    0x1ff
#define GDK_EcuSign     0x20a0
#define GDK_ColonSign   0x20a1
#define GDK_CruzeiroSign        0x20a2
#define GDK_FFrancSign  0x20a3
#define GDK_LiraSign    0x20a4
#define GDK_MillSign    0x20a5
#define GDK_NairaSign   0x20a6
#define GDK_PesetaSign  0x20a7
#define GDK_RupeeSign   0x20a8
#define GDK_WonSign     0x20a9
#define GDK_NewSheqelSign       0x20aa
#define GDK_DongSign    0x20ab
#define GDK_EuroSign    0x20ac
#define GDK_Hstroke     0x2a1
#define GDK_Hcircumflex 0x2a6
#define GDK_Iabovedot   0x2a9
#define GDK_Gbreve      0x2ab
#define GDK_Jcircumflex 0x2ac
#define GDK_hstroke     0x2b1
#define GDK_hcircumflex 0x2b6
#define GDK_idotless    0x2b9
#define GDK_gbreve      0x2bb
#define GDK_jcircumflex 0x2bc
#define GDK_Cabovedot   0x2c5
#define GDK_Ccircumflex 0x2c6
#define GDK_Gabovedot   0x2d5
#define GDK_Gcircumflex 0x2d8
#define GDK_Ubreve      0x2dd
#define GDK_Scircumflex 0x2de
#define GDK_cabovedot   0x2e5
#define GDK_ccircumflex 0x2e6
#define GDK_gabovedot   0x2f5
#define GDK_gcircumflex 0x2f8
#define GDK_ubreve      0x2fd
#define GDK_scircumflex 0x2fe
#define GDK_kappa       0x3a2
#define GDK_kra 0x3a2
#define GDK_Rcedilla    0x3a3
#define GDK_Itilde      0x3a5
#define GDK_Lcedilla    0x3a6
#define GDK_Emacron     0x3aa
#define GDK_Gcedilla    0x3ab
#define GDK_Tslash      0x3ac
#define GDK_rcedilla    0x3b3
#define GDK_itilde      0x3b5
#define GDK_lcedilla    0x3b6
#define GDK_emacron     0x3ba
#define GDK_gcedilla    0x3bb
#define GDK_tslash      0x3bc
#define GDK_ENG 0x3bd
#define GDK_eng 0x3bf
#define GDK_Amacron     0x3c0
#define GDK_Iogonek     0x3c7
#define GDK_Eabovedot   0x3cc
#define GDK_Imacron     0x3cf
#define GDK_Ncedilla    0x3d1
#define GDK_Omacron     0x3d2
#define GDK_Kcedilla    0x3d3
#define GDK_Uogonek     0x3d9
#define GDK_Utilde      0x3dd
#define GDK_Umacron     0x3de
#define GDK_amacron     0x3e0
#define GDK_iogonek     0x3e7
```

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```
#define GDK_eabovedot   0x3ec
#define GDK_imacron     0x3ef
#define GDK_ncedilla    0x3f1
#define GDK_omacron     0x3f2
#define GDK_kcedilla    0x3f3
#define GDK_uogonek     0x3f9
#define GDK_utilde      0x3fd
#define GDK_umacron     0x3fe
#define GDK_overline    0x47e
#define GDK_kana_fullstop       0x4a1
#define GDK_kana_openingbracket 0x4a2
#define GDK_kana_closingbracket 0x4a3
#define GDK_kana_comma  0x4a4
#define GDK_kana_conjunctive    0x4a5
#define GDK_kana_middledot      0x4a5
#define GDK_kana_WO     0x4a6
#define GDK_kana_a      0x4a7
#define GDK_kana_i      0x4a8
#define GDK_kana_u      0x4a9
#define GDK_kana_e      0x4aa
#define GDK_kana_o      0x4ab
#define GDK_kana_ya     0x4ac
#define GDK_kana_yu     0x4ad
#define GDK_kana_yo     0x4ae
#define GDK_kana_tsu    0x4af
#define GDK_kana_tu     0x4af
#define GDK_prolongedsound      0x4b0
#define GDK_kana_A      0x4b1
#define GDK_kana_I      0x4b2
#define GDK_kana_U      0x4b3
#define GDK_kana_E      0x4b4
#define GDK_kana_O      0x4b5
#define GDK_kana_KA     0x4b6
#define GDK_kana_KI     0x4b7
#define GDK_kana_KU     0x4b8
#define GDK_kana_KE     0x4b9
#define GDK_kana_KO     0x4ba
#define GDK_kana_SA     0x4bb
#define GDK_kana_SHI    0x4bc
#define GDK_kana_SU     0x4bd
#define GDK_kana_SE     0x4be
#define GDK_kana_SO     0x4bf
#define GDK_kana_TA     0x4c0
#define GDK_kana_CHI    0x4c1
#define GDK_kana_TI     0x4c1
#define GDK_kana_TSU    0x4c2
#define GDK_kana_TU     0x4c2
#define GDK_kana_TE     0x4c3
#define GDK_kana_TO     0x4c4
#define GDK_kana_NA     0x4c5
#define GDK_kana_NI     0x4c6
#define GDK_kana_NU     0x4c7
#define GDK_kana_NE     0x4c8
#define GDK_kana_NO     0x4c9
#define GDK_kana_HA     0x4ca
#define GDK_kana_HI     0x4cb
#define GDK_kana_FU     0x4cc
#define GDK_kana_HU     0x4cc
#define GDK_kana_HE     0x4cd
#define GDK_kana_HO     0x4ce
#define GDK_kana_MA     0x4cf
#define GDK_kana_MI     0x4d0
#define GDK_kana_MU     0x4d1
#define GDK_kana_ME     0x4d2
#define GDK_kana_MO     0x4d3
#define GDK_kana_YA     0x4d4
```

```
#define GDK_kana_YU     0x4d5
#define GDK_kana_YO     0x4d6
#define GDK_kana_RA     0x4d7
#define GDK_kana_RI     0x4d8
#define GDK_kana_RU     0x4d9
#define GDK_kana_RE     0x4da
#define GDK_kana_RO     0x4db
#define GDK_kana_WA     0x4dc
#define GDK_kana_N      0x4dd
#define GDK_voicedsound 0x4de
#define GDK_semivoicedsound     0x4df
#define GDK_Arabic_comma        0x5ac
#define GDK_Arabic_semicolon    0x5bb
#define GDK_Arabic_question_mark        0x5bf
#define GDK_Arabic_hamza        0x5c1
#define GDK_Arabic_maddaonalef  0x5c2
#define GDK_Arabic_hamzaonalef  0x5c3
#define GDK_Arabic_hamzaonwaw   0x5c4
#define GDK_Arabic_hamzaunderalef       0x5c5
#define GDK_Arabic_hamzaonyeh   0x5c6
#define GDK_Arabic_alef 0x5c7
#define GDK_Arabic_beh  0x5c8
#define GDK_Arabic_tehmarbuta   0x5c9
#define GDK_Arabic_teh  0x5ca
#define GDK_Arabic_theh 0x5cb
#define GDK_Arabic_jeem 0x5cc
#define GDK_Arabic_hah  0x5cd
#define GDK_Arabic_khah 0x5ce
#define GDK_Arabic_dal  0x5cf
#define GDK_Arabic_thal 0x5d0
#define GDK_Arabic_ra   0x5d1
#define GDK_Arabic_zain 0x5d2
#define GDK_Arabic_seen 0x5d3
#define GDK_Arabic_sheen        0x5d4
#define GDK_Arabic_sad  0x5d5
#define GDK_Arabic_dad  0x5d6
#define GDK_Arabic_tah  0x5d7
#define GDK_Arabic_zah  0x5d8
#define GDK_Arabic_ain  0x5d9
#define GDK_Arabic_ghain        0x5da
#define GDK_Arabic_tatweel      0x5e0
#define GDK_Arabic_feh  0x5e1
#define GDK_Arabic_qaf  0x5e2
#define GDK_Arabic_kaf  0x5e3
#define GDK_Arabic_lam  0x5e4
#define GDK_Arabic_meem 0x5e5
#define GDK_Arabic_noon 0x5e6
#define GDK_Arabic_ha   0x5e7
#define GDK_Arabic_heh  0x5e7
#define GDK_Arabic_waw  0x5e8
#define GDK_Arabic_alefmaksura  0x5e9
#define GDK_Arabic_yeh  0x5ea
#define GDK_Arabic_fathatan     0x5eb
#define GDK_Arabic_dammatan     0x5ec
#define GDK_Arabic_kasratan     0x5ed
#define GDK_Arabic_fatha        0x5ee
#define GDK_Arabic_damma        0x5ef
#define GDK_Arabic_kasra        0x5f0
#define GDK_Arabic_shadda       0x5f1
#define GDK_Arabic_sukun        0x5f2
#define GDK_Serbian_dje 0x6a1
#define GDK_Macedonia_gje       0x6a2
#define GDK_Cyrillic_io 0x6a3
#define GDK_Ukrainian_ie        0x6a4
#define GDK_Ukranian_je 0x6a4
#define GDK_Macedonia_dse       0x6a5
```

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```
#define GDK_Ukrainian_i 0x6a6
#define GDK_Ukranian_i  0x6a6
#define GDK_Ukrainian_yi        0x6a7
#define GDK_Ukranian_yi 0x6a7
#define GDK_Cyrillic_je 0x6a8
#define GDK_Serbian_je  0x6a8
#define GDK_Cyrillic_lje        0x6a9
#define GDK_Serbian_lje 0x6a9
#define GDK_Cyrillic_nje        0x6aa
#define GDK_Serbian_nje 0x6aa
#define GDK_Serbian_tshe        0x6ab
#define GDK_Macedonia_kje       0x6ac
#define GDK_Ukrainian_ghe_with_upturn   0x6ad
#define GDK_Byelorussian_shortu 0x6ae
#define GDK_Cyrillic_dzhe       0x6af
#define GDK_Serbian_dze 0x6af
#define GDK_numerosign  0x6b0
#define GDK_Serbian_DJE 0x6b1
#define GDK_Macedonia_GJE       0x6b2
#define GDK_Cyrillic_IO 0x6b3
#define GDK_Ukrainian_IE        0x6b4
#define GDK_Ukranian_JE 0x6b4
#define GDK_Macedonia_DSE       0x6b5
#define GDK_Ukrainian_I 0x6b6
#define GDK_Ukranian_I  0x6b6
#define GDK_Ukrainian_YI        0x6b7
#define GDK_Ukranian_YI 0x6b7
#define GDK_Cyrillic_JE 0x6b8
#define GDK_Serbian_JE  0x6b8
#define GDK_Cyrillic_LJE        0x6b9
#define GDK_Serbian_LJE 0x6b9
#define GDK_Cyrillic_NJE        0x6ba
#define GDK_Serbian_NJE 0x6ba
#define GDK_Serbian_TSHE        0x6bb
#define GDK_Macedonia_KJE       0x6bc
#define GDK_Ukrainian_GHE_WITH_UPTURN   0x6bd
#define GDK_Byelorussian_SHORTU 0x6be
#define GDK_Cyrillic_DZHE       0x6bf
#define GDK_Serbian_DZE 0x6bf
#define GDK_Cyrillic_yu 0x6c0
#define GDK_Cyrillic_a  0x6c1
#define GDK_Cyrillic_be 0x6c2
#define GDK_Cyrillic_tse        0x6c3
#define GDK_Cyrillic_de 0x6c4
#define GDK_Cyrillic_ie 0x6c5
#define GDK_Cyrillic_ef 0x6c6
#define GDK_Cyrillic_ghe        0x6c7
#define GDK_Cyrillic_ha 0x6c8
#define GDK_Cyrillic_i  0x6c9
#define GDK_Cyrillic_shorti     0x6ca
#define GDK_Cyrillic_ka 0x6cb
#define GDK_Cyrillic_el 0x6cc
#define GDK_Cyrillic_em 0x6cd
#define GDK_Cyrillic_en 0x6ce
#define GDK_Cyrillic_o  0x6cf
#define GDK_Cyrillic_pe 0x6d0
#define GDK_Cyrillic_ya 0x6d1
#define GDK_Cyrillic_er 0x6d2
#define GDK_Cyrillic_es 0x6d3
#define GDK_Cyrillic_te 0x6d4
#define GDK_Cyrillic_u  0x6d5
#define GDK_Cyrillic_zhe        0x6d6
#define GDK_Cyrillic_ve 0x6d7
#define GDK_Cyrillic_softsign   0x6d8
#define GDK_Cyrillic_yeru       0x6d9
#define GDK_Cyrillic_ze 0x6da
```

```
#define GDK_Cyrillic_sha        0x6db
#define GDK_Cyrillic_e  0x6dc
#define GDK_Cyrillic_shcha      0x6dd
#define GDK_Cyrillic_che        0x6de
#define GDK_Cyrillic_hardsign   0x6df
#define GDK_Cyrillic_YU 0x6e0
#define GDK_Cyrillic_A  0x6e1
#define GDK_Cyrillic_BE 0x6e2
#define GDK_Cyrillic_TSE        0x6e3
#define GDK_Cyrillic_DE 0x6e4
#define GDK_Cyrillic_IE 0x6e5
#define GDK_Cyrillic_EF 0x6e6
#define GDK_Cyrillic_GHE        0x6e7
#define GDK_Cyrillic_HA 0x6e8
#define GDK_Cyrillic_I  0x6e9
#define GDK_Cyrillic_SHORTI     0x6ea
#define GDK_Cyrillic_KA 0x6eb
#define GDK_Cyrillic_EL 0x6ec
#define GDK_Cyrillic_EM 0x6ed
#define GDK_Cyrillic_EN 0x6ee
#define GDK_Cyrillic_O  0x6ef
#define GDK_Cyrillic_PE 0x6f0
#define GDK_Cyrillic_YA 0x6f1
#define GDK_Cyrillic_ER 0x6f2
#define GDK_Cyrillic_ES 0x6f3
#define GDK_Cyrillic_TE 0x6f4
#define GDK_Cyrillic_U  0x6f5
#define GDK_Cyrillic_ZHE        0x6f6
#define GDK_Cyrillic_VE 0x6f7
#define GDK_Cyrillic_SOFTSIGN   0x6f8
#define GDK_Cyrillic_YERU       0x6f9
#define GDK_Cyrillic_ZE 0x6fa
#define GDK_Cyrillic_SHA        0x6fb
#define GDK_Cyrillic_E  0x6fc
#define GDK_Cyrillic_SHCHA      0x6fd
#define GDK_Cyrillic_CHE        0x6fe
#define GDK_Cyrillic_HARDSIGN   0x6ff
#define GDK_Greek_ALPHAaccent   0x7a1
#define GDK_Greek_EPSILONaccent 0x7a2
#define GDK_Greek_ETAaccent     0x7a3
#define GDK_Greek_IOTAaccent    0x7a4
#define GDK_Greek_IOTAdieresis  0x7a5
#define GDK_Greek_OMICRONaccent 0x7a7
#define GDK_Greek_UPSILONaccent 0x7a8
#define GDK_Greek_UPSILONdieresis       0x7a9
#define GDK_Greek_OMEGAaccent   0x7ab
#define GDK_Greek_accentdieresis        0x7ae
#define GDK_Greek_horizbar      0x7af
#define GDK_Greek_alphaaccent   0x7b1
#define GDK_Greek_epsilonaccent 0x7b2
#define GDK_Greek_etaaccent     0x7b3
#define GDK_Greek_iotaaccent    0x7b4
#define GDK_Greek_iotadieresis  0x7b5
#define GDK_Greek_iotaaccentdieresis    0x7b6
#define GDK_Greek_omicronaccent 0x7b7
#define GDK_Greek_upsilonaccent 0x7b8
#define GDK_Greek_upsilondieresis       0x7b9
#define GDK_Greek_upsilonaccentdieresis 0x7ba
#define GDK_Greek_omegaaccent   0x7bb
#define GDK_Greek_ALPHA 0x7c1
#define GDK_Greek_BETA  0x7c2
#define GDK_Greek_GAMMA 0x7c3
#define GDK_Greek_DELTA 0x7c4
#define GDK_Greek_EPSILON       0x7c5
#define GDK_Greek_ZETA  0x7c6
#define GDK_Greek_ETA   0x7c7
```

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```
#define GDK_Greek_THETA 0x7c8
#define GDK_Greek_IOTA  0x7c9
#define GDK_Greek_KAPPA 0x7ca
#define GDK_Greek_LAMBDA        0x7cb
#define GDK_Greek_LAMDA 0x7cb
#define GDK_Greek_MU    0x7cc
#define GDK_Greek_NU    0x7cd
#define GDK_Greek_XI    0x7ce
#define GDK_Greek_OMICRON       0x7cf
#define GDK_Greek_PI    0x7d0
#define GDK_Greek_RHO   0x7d1
#define GDK_Greek_SIGMA 0x7d2
#define GDK_Greek_TAU   0x7d4
#define GDK_Greek_UPSILON       0x7d5
#define GDK_Greek_PHI   0x7d6
#define GDK_Greek_CHI   0x7d7
#define GDK_Greek_PSI   0x7d8
#define GDK_Greek_OMEGA 0x7d9
#define GDK_Greek_alpha 0x7e1
#define GDK_Greek_beta  0x7e2
#define GDK_Greek_gamma 0x7e3
#define GDK_Greek_delta 0x7e4
#define GDK_Greek_epsilon       0x7e5
#define GDK_Greek_zeta  0x7e6
#define GDK_Greek_eta   0x7e7
#define GDK_Greek_theta 0x7e8
#define GDK_Greek_iota  0x7e9
#define GDK_Greek_kappa 0x7ea
#define GDK_Greek_lambda        0x7eb
#define GDK_Greek_lamda 0x7eb
#define GDK_Greek_mu    0x7ec
#define GDK_Greek_nu    0x7ed
#define GDK_Greek_xi    0x7ee
#define GDK_Greek_omicron       0x7ef
#define GDK_Greek_pi    0x7f0
#define GDK_Greek_rho   0x7f1
#define GDK_Greek_sigma 0x7f2
#define GDK_Greek_finalsmallsigma       0x7f3
#define GDK_Greek_tau   0x7f4
#define GDK_Greek_upsilon       0x7f5
#define GDK_Greek_phi   0x7f6
#define GDK_Greek_chi   0x7f7
#define GDK_Greek_psi   0x7f8
#define GDK_Greek_omega 0x7f9
#define GDK_leftradical 0x8a1
#define GDK_topleftradical      0x8a2
#define GDK_horizconnector      0x8a3
#define GDK_topintegral 0x8a4
#define GDK_botintegral 0x8a5
#define GDK_vertconnector       0x8a6
#define GDK_topleftsqbracket    0x8a7
#define GDK_botleftsqbracket    0x8a8
#define GDK_toprightsqbracket   0x8a9
#define GDK_botrightsqbracket   0x8aa
#define GDK_topleftparens       0x8ab
#define GDK_botleftparens       0x8ac
#define GDK_toprightparens      0x8ad
#define GDK_botrightparens      0x8ae
#define GDK_leftmiddlecurlybrace        0x8af
#define GDK_rightmiddlecurlybrace       0x8b0
#define GDK_topleftsummation    0x8b1
#define GDK_botleftsummation    0x8b2
#define GDK_topvertsummationconnector   0x8b3
#define GDK_botvertsummationconnector   0x8b4
#define GDK_toprightsummation   0x8b5
#define GDK_botrightsummation   0x8b6
```

```
#define GDK_rightmiddlesummation        0x8b7
#define GDK_lessthanequal       0x8bc
#define GDK_notequal    0x8bd
#define GDK_greaterthanequal    0x8be
#define GDK_integral    0x8bf
#define GDK_therefore   0x8c0
#define GDK_variation   0x8c1
#define GDK_infinity    0x8c2
#define GDK_nabla       0x8c5
#define GDK_approximate 0x8c8
#define GDK_similarequal        0x8c9
#define GDK_ifonlyif    0x8cd
#define GDK_implies     0x8ce
#define GDK_identical   0x8cf
#define GDK_radical     0x8d6
#define GDK_includedin  0x8da
#define GDK_includes    0x8db
#define GDK_intersection        0x8dc
#define GDK_union       0x8dd
#define GDK_logicaland  0x8de
#define GDK_logicalor   0x8df
#define GDK_partialderivative   0x8ef
#define GDK_function    0x8f6
#define GDK_leftarrow   0x8fb
#define GDK_uparrow     0x8fc
#define GDK_rightarrow  0x8fd
#define GDK_downarrow   0x8fe
#define GDK_blank       0x9df
#define GDK_soliddiamond        0x9e0
#define GDK_checkerboard        0x9e1
#define GDK_ht  0x9e2
#define GDK_ff  0x9e3
#define GDK_cr  0x9e4
#define GDK_lf  0x9e5
#define GDK_nl  0x9e8
#define GDK_vt  0x9e9
#define GDK_lowrightcorner      0x9ea
#define GDK_uprightcorner       0x9eb
#define GDK_upleftcorner        0x9ec
#define GDK_lowleftcorner       0x9ed
#define GDK_crossinglines       0x9ee
#define GDK_horizlinescan1      0x9ef
#define GDK_horizlinescan3      0x9f0
#define GDK_horizlinescan5      0x9f1
#define GDK_horizlinescan7      0x9f2
#define GDK_horizlinescan9      0x9f3
#define GDK_leftt       0x9f4
#define GDK_rightt      0x9f5
#define GDK_bott        0x9f6
#define GDK_topt        0x9f7
#define GDK_vertbar     0x9f8
#define GDK_emspace     0xaa1
#define GDK_enspace     0xaa2
#define GDK_em3space    0xaa3
#define GDK_em4space    0xaa4
#define GDK_digitspace  0xaa5
#define GDK_punctspace  0xaa6
#define GDK_thinspace   0xaa7
#define GDK_hairspace   0xaa8
#define GDK_emdash      0xaa9
#define GDK_endash      0xaaa
#define GDK_signifblank 0xaac
#define GDK_ellipsis    0xaae
#define GDK_doubbaselinedot     0xaaf
#define GDK_onethird    0xab0
#define GDK_twothirds   0xab1
```

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```
#define GDK_onefifth    0xab2
#define GDK_twofifths   0xab3
#define GDK_threefifths 0xab4
#define GDK_fourfifths  0xab5
#define GDK_onesixth    0xab6
#define GDK_fivesixths  0xab7
#define GDK_careof      0xab8
#define GDK_figdash     0xabb
#define GDK_leftanglebracket    0xabc
#define GDK_decimalpoint        0xabd
#define GDK_rightanglebracket   0xabe
#define GDK_marker      0xabf
#define GDK_oneeighth   0xac3
#define GDK_threeeighths        0xac4
#define GDK_fiveeighths 0xac5
#define GDK_seveneighths        0xac6
#define GDK_trademark   0xac9
#define GDK_signaturemark       0xaca
#define GDK_trademarkincircle   0xacb
#define GDK_leftopentriangle    0xacc
#define GDK_rightopentriangle   0xacd
#define GDK_emopencircle        0xace
#define GDK_emopenrectangle     0xacf
#define GDK_leftsinglequotemark 0xad0
#define GDK_rightsinglequotemark        0xad1
#define GDK_leftdoublequotemark 0xad2
#define GDK_rightdoublequotemark        0xad3
#define GDK_prescription        0xad4
#define GDK_minutes     0xad6
#define GDK_seconds     0xad7
#define GDK_latincross  0xad9
#define GDK_hexagram    0xada
#define GDK_filledrectbullet    0xadb
#define GDK_filledlefttribullet 0xadc
#define GDK_filledrighttribullet        0xadd
#define GDK_emfilledcircle      0xade
#define GDK_emfilledrect        0xadf
#define GDK_enopencircbullet    0xae0
#define GDK_enopensquarebullet  0xae1
#define GDK_openrectbullet      0xae2
#define GDK_opentribulletup     0xae3
#define GDK_opentribulletdown   0xae4
#define GDK_openstar    0xae5
#define GDK_enfilledcircbullet  0xae6
#define GDK_enfilledsqbullet    0xae7
#define GDK_filledtribulletup   0xae8
#define GDK_filledtribulletdown 0xae9
#define GDK_leftpointer 0xaea
#define GDK_rightpointer        0xaeb
#define GDK_club        0xaec
#define GDK_diamond     0xaed
#define GDK_heart       0xaee
#define GDK_maltesecross        0xaf0
#define GDK_dagger      0xaf1
#define GDK_doubledagger        0xaf2
#define GDK_checkmark   0xaf3
#define GDK_ballotcross 0xaf4
#define GDK_musicalsharp        0xaf5
#define GDK_musicalflat 0xaf6
#define GDK_malesymbol  0xaf7
#define GDK_femalesymbol        0xaf8
#define GDK_telephone   0xaf9
#define GDK_telephonerecorder   0xafa
#define GDK_phonographcopyright 0xafb
#define GDK_caret       0xafc
#define GDK_singlelowquotemark  0xafd
```

```
#define GDK_doublelowquotemark  0xafe
#define GDK_cursor      0xaff
#define GDK_leftcaret   0xba3
#define GDK_rightcaret  0xba6
#define GDK_downcaret   0xba8
#define GDK_upcaret     0xba9
#define GDK_overbar     0xbc0
#define GDK_downtack    0xbc2
#define GDK_upshoe      0xbc3
#define GDK_downstile   0xbc4
#define GDK_underbar    0xbc6
#define GDK_jot 0xbca
#define GDK_quad        0xbcc
#define GDK_uptack      0xbce
#define GDK_circle      0xbcf
#define GDK_upstile     0xbd3
#define GDK_downshoe    0xbd6
#define GDK_rightshoe   0xbd8
#define GDK_leftshoe    0xbda
#define GDK_lefttack    0xbdc
#define GDK_righttack   0xbfc
#define GDK_hebrew_doublelowline        0xcdf
#define GDK_hebrew_aleph        0xce0
#define GDK_hebrew_bet  0xce1
#define GDK_hebrew_beth 0xce1
#define GDK_hebrew_gimel        0xce2
#define GDK_hebrew_gimmel       0xce2
#define GDK_hebrew_dalet        0xce3
#define GDK_hebrew_daleth       0xce3
#define GDK_hebrew_he   0xce4
#define GDK_hebrew_waw  0xce5
#define GDK_hebrew_zain 0xce6
#define GDK_hebrew_zayin        0xce6
#define GDK_hebrew_chet 0xce7
#define GDK_hebrew_het  0xce7
#define GDK_hebrew_tet  0xce8
#define GDK_hebrew_teth 0xce8
#define GDK_hebrew_yod  0xce9
#define GDK_hebrew_finalkaph    0xcea
#define GDK_hebrew_kaph 0xceb
#define GDK_hebrew_lamed        0xcec
#define GDK_hebrew_finalmem     0xced
#define GDK_hebrew_mem  0xcee
#define GDK_hebrew_finalnun     0xcef
#define GDK_hebrew_nun  0xcf0
#define GDK_hebrew_samech       0xcf1
#define GDK_hebrew_samekh       0xcf1
#define GDK_hebrew_ayin 0xcf2
#define GDK_hebrew_finalpe      0xcf3
#define GDK_hebrew_pe   0xcf4
#define GDK_hebrew_finalzade    0xcf5
#define GDK_hebrew_finalzadi    0xcf5
#define GDK_hebrew_zade 0xcf6
#define GDK_hebrew_zadi 0xcf6
#define GDK_hebrew_kuf  0xcf7
#define GDK_hebrew_qoph 0xcf7
#define GDK_hebrew_resh 0xcf8
#define GDK_hebrew_shin 0xcf9
#define GDK_hebrew_taf  0xcfa
#define GDK_hebrew_taw  0xcfa
#define GDK_Thai_kokai  0xda1
#define GDK_Thai_khokhai        0xda2
#define GDK_Thai_khokhuat       0xda3
#define GDK_Thai_khokhwai       0xda4
#define GDK_Thai_khokhon        0xda5
#define GDK_Thai_khorakhang     0xda6
```

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```
#define GDK_Thai_ngongu 0xda7
#define GDK_Thai_chochan        0xda8
#define GDK_Thai_ching          0xda9
#define GDK_Thai_chochang       0xdaa
#define GDK_Thai_soso   0xdab
#define GDK_Thai_chochoe        0xdac
#define GDK_Thai_yoying 0xdad
#define GDK_Thai_dochada        0xdae
#define GDK_Thai_topatak        0xdaf
#define GDK_Thai_thothan        0xdb0
#define GDK_Thai_thonangmontho  0xdb1
#define GDK_Thai_thophuthao     0xdb2
#define GDK_Thai_nonen  0xdb3
#define GDK_Thai_dodek  0xdb4
#define GDK_Thai_totao  0xdb5
#define GDK_Thai_thothung       0xdb6
#define GDK_Thai_thothahan      0xdb7
#define GDK_Thai_thothong       0xdb8
#define GDK_Thai_nonu   0xdb9
#define GDK_Thai_bobaimai       0xdba
#define GDK_Thai_popla  0xdbb
#define GDK_Thai_phophung       0xdbc
#define GDK_Thai_fofa   0xdbd
#define GDK_Thai_phophan        0xdbe
#define GDK_Thai_fofan  0xdbf
#define GDK_Thai_phosamphao     0xdc0
#define GDK_Thai_moma   0xdc1
#define GDK_Thai_yoyak  0xdc2
#define GDK_Thai_rorua  0xdc3
#define GDK_Thai_ru     0xdc4
#define GDK_Thai_loling 0xdc5
#define GDK_Thai_lu     0xdc6
#define GDK_Thai_wowaen 0xdc7
#define GDK_Thai_sosala 0xdc8
#define GDK_Thai_sorusi 0xdc9
#define GDK_Thai_sosua  0xdca
#define GDK_Thai_hohip  0xdcb
#define GDK_Thai_lochula        0xdcc
#define GDK_Thai_oang   0xdcd
#define GDK_Thai_honokhuk       0xdce
#define GDK_Thai_paiyannoi      0xdcf
#define GDK_Thai_saraa  0xdd0
#define GDK_Thai_maihanakat     0xdd1
#define GDK_Thai_saraaa 0xdd2
#define GDK_Thai_saraam 0xdd3
#define GDK_Thai_sarai  0xdd4
#define GDK_Thai_saraii 0xdd5
#define GDK_Thai_saraue 0xdd6
#define GDK_Thai_sarauee        0xdd7
#define GDK_Thai_sarau  0xdd8
#define GDK_Thai_sarauu 0xdd9
#define GDK_Thai_phinthu        0xdda
#define GDK_Thai_maihanakat_maitho      0xdde
#define GDK_Thai_baht   0xddf
#define GDK_Thai_sarae  0xde0
#define GDK_Thai_saraae 0xde1
#define GDK_Thai_sarao  0xde2
#define GDK_Thai_saraaimaimuan  0xde3
#define GDK_Thai_saraaimaimalai 0xde4
#define GDK_Thai_lakkhangyao    0xde5
#define GDK_Thai_maiyamok       0xde6
#define GDK_Thai_maitaikhu      0xde7
#define GDK_Thai_maiek  0xde8
#define GDK_Thai_maitho 0xde9
#define GDK_Thai_maitri 0xdea
#define GDK_Thai_maichattawa    0xdeb
```

```
#define GDK_Thai_thanthakhat    0xdec
#define GDK_Thai_nikhahit       0xded
#define GDK_Thai_leksun 0xdf0
#define GDK_Thai_leknung        0xdf1
#define GDK_Thai_leksong        0xdf2
#define GDK_Thai_leksam 0xdf3
#define GDK_Thai_leksi  0xdf4
#define GDK_Thai_lekha  0xdf5
#define GDK_Thai_lekhok 0xdf6
#define GDK_Thai_lekchet        0xdf7
#define GDK_Thai_lekpaet        0xdf8
#define GDK_Thai_lekkao 0xdf9
#define GDK_Hangul_Kiyeog       0xea1
#define GDK_Hangul_SsangKiyeog  0xea2
#define GDK_Hangul_KiyeogSios   0xea3
#define GDK_Hangul_Nieun        0xea4
#define GDK_Hangul_NieunJieuj   0xea5
#define GDK_Hangul_NieunHieuh   0xea6
#define GDK_Hangul_Dikeud       0xea7
#define GDK_Hangul_SsangDikeud  0xea8
#define GDK_Hangul_Rieul        0xea9
#define GDK_Hangul_RieulKiyeog  0xeaa
#define GDK_Hangul_RieulMieum   0xeab
#define GDK_Hangul_RieulPieub   0xeac
#define GDK_Hangul_RieulSios    0xead
#define GDK_Hangul_RieulTieut   0xeae
#define GDK_Hangul_RieulPhieuf  0xeaf
#define GDK_Hangul_RieulHieuh   0xeb0
#define GDK_Hangul_Mieum        0xeb1
#define GDK_Hangul_Pieub        0xeb2
#define GDK_Hangul_SsangPieub   0xeb3
#define GDK_Hangul_PieubSios    0xeb4
#define GDK_Hangul_Sios 0xeb5
#define GDK_Hangul_SsangSios    0xeb6
#define GDK_Hangul_Ieung        0xeb7
#define GDK_Hangul_Jieuj        0xeb8
#define GDK_Hangul_SsangJieuj   0xeb9
#define GDK_Hangul_Cieuc        0xeba
#define GDK_Hangul_Khieuq       0xebb
#define GDK_Hangul_Tieut        0xebc
#define GDK_Hangul_Phieuf       0xebd
#define GDK_Hangul_Hieuh        0xebe
#define GDK_Hangul_A    0xebf
#define GDK_Hangul_AE   0xec0
#define GDK_Hangul_YA   0xec1
#define GDK_Hangul_YAE  0xec2
#define GDK_Hangul_EO   0xec3
#define GDK_Hangul_E    0xec4
#define GDK_Hangul_YEO  0xec5
#define GDK_Hangul_YE   0xec6
#define GDK_Hangul_O    0xec7
#define GDK_Hangul_WA   0xec8
#define GDK_Hangul_WAE  0xec9
#define GDK_Hangul_OE   0xeca
#define GDK_Hangul_YO   0xecb
#define GDK_Hangul_U    0xecc
#define GDK_Hangul_WEO  0xecd
#define GDK_Hangul_WE   0xece
#define GDK_Hangul_WI   0xecf
#define GDK_Hangul_YU   0xed0
#define GDK_Hangul_EU   0xed1
#define GDK_Hangul_YI   0xed2
#define GDK_Hangul_I    0xed3
#define GDK_Hangul_J_Kiyeog     0xed4
#define GDK_Hangul_J_SsangKiyeog        0xed5
#define GDK_Hangul_J_KiyeogSios 0xed6
```

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```
#define GDK_Hangul_J_Nieun      0xed7
#define GDK_Hangul_J_NieunJieuj 0xed8
#define GDK_Hangul_J_NieunHieuh 0xed9
#define GDK_Hangul_J_Dikeud     0xeda
#define GDK_Hangul_J_Rieul      0xedb
#define GDK_Hangul_J_RieulKiyeog        0xedc
#define GDK_Hangul_J_RieulMieum 0xedd
#define GDK_Hangul_J_RieulPieub 0xede
#define GDK_Hangul_J_RieulSios  0xedf
#define GDK_Hangul_J_RieulTieut 0xee0
#define GDK_Hangul_J_RieulPhieuf        0xee1
#define GDK_Hangul_J_RieulHieuh 0xee2
#define GDK_Hangul_J_Mieum      0xee3
#define GDK_Hangul_J_Pieub      0xee4
#define GDK_Hangul_J_PieubSios  0xee5
#define GDK_Hangul_J_Sios       0xee6
#define GDK_Hangul_J_SsangSios  0xee7
#define GDK_Hangul_J_Ieung      0xee8
#define GDK_Hangul_J_Jieuj      0xee9
#define GDK_Hangul_J_Cieuc      0xeea
#define GDK_Hangul_J_Khieuq     0xeeb
#define GDK_Hangul_J_Tieut      0xeec
#define GDK_Hangul_J_Phieuf     0xeed
#define GDK_Hangul_J_Hieuh      0xeee
#define GDK_Hangul_RieulYeorinHieuh     0xeef
#define GDK_Hangul_SunkyeongeumMieum    0xef0
#define GDK_Hangul_SunkyeongeumPieub    0xef1
#define GDK_Hangul_PanSios      0xef2
#define GDK_Hangul_KkogjiDalrinIeung    0xef3
#define GDK_Hangul_SunkyeongeumPhieuf   0xef4
#define GDK_Hangul_YeorinHieuh  0xef5
#define GDK_Hangul_AraeA        0xef6
#define GDK_Hangul_AraeAE       0xef7
#define GDK_Hangul_J_PanSios    0xef8
#define GDK_Hangul_J_KkogjiDalrinIeung  0xef9
#define GDK_Hangul_J_YeorinHieuh        0xefa
#define GDK_Korean_Won  0xeff
#define GDK_3270_Duplicate      0xFD01
#define GDK_3270_FieldMark      0xFD02
#define GDK_3270_Right2 0xFD03
#define GDK_3270_Left2  0xFD04
#define GDK_3270_BackTab        0xFD05
#define GDK_3270_EraseEOF       0xFD06
#define GDK_3270_EraseInput     0xFD07
#define GDK_3270_Reset  0xFD08
#define GDK_3270_Quit   0xFD09
#define GDK_3270_PA1    0xFD0A
#define GDK_3270_PA2    0xFD0B
#define GDK_3270_PA3    0xFD0C
#define GDK_3270_Test   0xFD0D
#define GDK_3270_Attn   0xFD0E
#define GDK_3270_CursorBlink    0xFD0F
#define GDK_3270_AltCursor      0xFD10
#define GDK_3270_KeyClick       0xFD11
#define GDK_3270_Jump   0xFD12
#define GDK_3270_Ident  0xFD13
#define GDK_3270_Rule   0xFD14
#define GDK_3270_Copy   0xFD15
#define GDK_3270_Play   0xFD16
#define GDK_3270_Setup  0xFD17
#define GDK_3270_Record 0xFD18
#define GDK_3270_ChangeScreen   0xFD19
#define GDK_3270_DeleteWord     0xFD1A
#define GDK_3270_ExSelect       0xFD1B
#define GDK_3270_CursorSelect   0xFD1C
#define GDK_3270_PrintScreen    0xFD1D
```

```
#define GDK_3270_Enter  0xFD1E
#define GDK_ISO_Lock    0xFE01
#define GDK_ISO_Level2_Latch    0xFE02
#define GDK_ISO_Level3_Shift    0xFE03
#define GDK_ISO_Level3_Latch    0xFE04
#define GDK_ISO_Level3_Lock     0xFE05
#define GDK_ISO_Group_Latch     0xFE06
#define GDK_ISO_Group_Lock      0xFE07
#define GDK_ISO_Next_Group      0xFE08
#define GDK_ISO_Next_Group_Lock 0xFE09
#define GDK_ISO_Prev_Group      0xFE0A
#define GDK_ISO_Prev_Group_Lock 0xFE0B
#define GDK_ISO_First_Group     0xFE0C
#define GDK_ISO_First_Group_Lock        0xFE0D
#define GDK_ISO_Last_Group      0xFE0E
#define GDK_ISO_Last_Group_Lock 0xFE0F
#define GDK_ISO_Left_Tab        0xFE20
#define GDK_ISO_Move_Line_Up    0xFE21
#define GDK_ISO_Move_Line_Down  0xFE22
#define GDK_ISO_Partial_Line_Up 0xFE23
#define GDK_ISO_Partial_Line_Down       0xFE24
#define GDK_ISO_Partial_Space_Left      0xFE25
#define GDK_ISO_Partial_Space_Right     0xFE26
#define GDK_ISO_Set_Margin_Left 0xFE27
#define GDK_ISO_Set_Margin_Right        0xFE28
#define GDK_ISO_Release_Margin_Left     0xFE29
#define GDK_ISO_Release_Margin_Right    0xFE2A
#define GDK_ISO_Release_Both_Margins    0xFE2B
#define GDK_ISO_Fast_Cursor_Left        0xFE2C
#define GDK_ISO_Fast_Cursor_Right       0xFE2D
#define GDK_ISO_Fast_Cursor_Up  0xFE2E
#define GDK_ISO_Fast_Cursor_Down        0xFE2F
#define GDK_ISO_Continuous_Underline    0xFE30
#define GDK_ISO_Discontinuous_Underline 0xFE31
#define GDK_ISO_Emphasize       0xFE32
#define GDK_ISO_Center_Object   0xFE33
#define GDK_ISO_Enter   0xFE34
#define GDK_dead_grave  0xFE50
#define GDK_dead_acute  0xFE51
#define GDK_dead_circumflex     0xFE52
#define GDK_dead_tilde  0xFE53
#define GDK_dead_macron 0xFE54
#define GDK_dead_breve  0xFE55
#define GDK_dead_abovedot       0xFE56
#define GDK_dead_diaeresis      0xFE57
#define GDK_dead_abovering      0xFE58
#define GDK_dead_doubleacute    0xFE59
#define GDK_dead_caron  0xFE5A
#define GDK_dead_cedilla        0xFE5B
#define GDK_dead_ogonek 0xFE5C
#define GDK_dead_iota   0xFE5D
#define GDK_dead_voiced_sound   0xFE5E
#define GDK_dead_semivoiced_sound       0xFE5F
#define GDK_dead_belowdot       0xFE60
#define GDK_dead_hook   0xFE61
#define GDK_dead_horn   0xFE62
#define GDK_AccessX_Enable      0xFE70
#define GDK_AccessX_Feedback_Enable     0xFE71
#define GDK_RepeatKeys_Enable   0xFE72
#define GDK_SlowKeys_Enable     0xFE73
#define GDK_BounceKeys_Enable   0xFE74
#define GDK_StickyKeys_Enable   0xFE75
#define GDK_MouseKeys_Enable    0xFE76
#define GDK_MouseKeys_Accel_Enable      0xFE77
#define GDK_Overlay1_Enable     0xFE78
#define GDK_Overlay2_Enable     0xFE79
```

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```
#define GDK_AudibleBell_Enable  0xFE7A
#define GDK_First_Virtual_Screen        0xFED0
#define GDK_Prev_Virtual_Screen 0xFED1
#define GDK_Next_Virtual_Screen 0xFED2
#define GDK_Last_Virtual_Screen 0xFED4
#define GDK_Terminate_Server    0xFED5
#define GDK_Pointer_Left        0xFEE0
#define GDK_Pointer_Right       0xFEE1
#define GDK_Pointer_Up  0xFEE2
#define GDK_Pointer_Down        0xFEE3
#define GDK_Pointer_UpLeft      0xFEE4
#define GDK_Pointer_UpRight     0xFEE5
#define GDK_Pointer_DownLeft    0xFEE6
#define GDK_Pointer_DownRight   0xFEE7
#define GDK_Pointer_Button_Dflt 0xFEE8
#define GDK_Pointer_Button1     0xFEE9
#define GDK_Pointer_Button2     0xFEEA
#define GDK_Pointer_Button3     0xFEEB
#define GDK_Pointer_Button4     0xFEEC
#define GDK_Pointer_Button5     0xFEED
#define GDK_Pointer_DblClick_Dflt       0xFEEE
#define GDK_Pointer_DblClick1   0xFEEF
#define GDK_Pointer_DblClick2   0xFEF0
#define GDK_Pointer_DblClick3   0xFEF1
#define GDK_Pointer_DblClick4   0xFEF2
#define GDK_Pointer_DblClick5   0xFEF3
#define GDK_Pointer_Drag_Dflt   0xFEF4
#define GDK_Pointer_Drag1       0xFEF5
#define GDK_Pointer_Drag2       0xFEF6
#define GDK_Pointer_Drag3       0xFEF7
#define GDK_Pointer_Drag4       0xFEF8
#define GDK_Pointer_EnableKeys  0xFEF9
#define GDK_Pointer_Accelerate  0xFEFA
#define GDK_Pointer_DfltBtnNext 0xFEFB
#define GDK_Pointer_DfltBtnPrev 0xFEFC
#define GDK_Pointer_Drag5       0xFEFD
#define GDK_BackSpace   0xFF08
#define GDK_Tab 0xFF09
#define GDK_Linefeed    0xFF0A
#define GDK_Clear       0xFF0B
#define GDK_Return      0xFF0D
#define GDK_Pause       0xFF13
#define GDK_Scroll_Lock 0xFF14
#define GDK_Sys_Req     0xFF15
#define GDK_Escape      0xFF1B
#define GDK_Multi_key   0xFF20
#define GDK_Kanji       0xFF21
#define GDK_Muhenkan    0xFF22
#define GDK_Henkan      0xFF23
#define GDK_Henkan_Mode 0xFF23
#define GDK_Romaji      0xFF24
#define GDK_Hiragana    0xFF25
#define GDK_Katakana    0xFF26
#define GDK_Hiragana_Katakana   0xFF27
#define GDK_Zenkaku     0xFF28
#define GDK_Hankaku     0xFF29
#define GDK_Zenkaku_Hankaku     0xFF2A
#define GDK_Touroku     0xFF2B
#define GDK_Massyo      0xFF2C
#define GDK_Kana_Lock   0xFF2D
#define GDK_Kana_Shift  0xFF2E
#define GDK_Eisu_Shift  0xFF2F
#define GDK_Eisu_toggle 0xFF30
#define GDK_Hangul      0xff31
#define GDK_Hangul_Start        0xff32
#define GDK_Hangul_End  0xff33
```

```
#define GDK_Hangul_Hanja        0xff34
#define GDK_Hangul_Jamo 0xff35
#define GDK_Hangul_Romaja       0xff36
#define GDK_Codeinput   0xFF37
#define GDK_Hangul_Codeinput    0xff37
#define GDK_Kanji_Bangou        0xFF37
#define GDK_Hangul_Jeonja       0xff38
#define GDK_Hangul_Banja        0xff39
#define GDK_Hangul_PreHanja     0xff3a
#define GDK_Hangul_PostHanja    0xff3b
#define GDK_Hangul_SingleCandidate      0xff3c
#define GDK_SingleCandidate     0xFF3C
#define GDK_Hangul_MultipleCandidate    0xff3d
#define GDK_MultipleCandidate   0xFF3D
#define GDK_Zen_Koho    0xFF3D
#define GDK_Hangul_PreviousCandidate    0xff3e
#define GDK_Mae_Koho    0xFF3E
#define GDK_PreviousCandidate   0xFF3E
#define GDK_Hangul_Special      0xff3f
#define GDK_Home        0xFF50
#define GDK_Left        0xFF51
#define GDK_Up  0xFF52
#define GDK_Right       0xFF53
#define GDK_Down        0xFF54
#define GDK_Page_Up     0xFF55
#define GDK_Prior       0xFF55
#define GDK_Next        0xFF56
#define GDK_Page_Down   0xFF56
#define GDK_End 0xFF57
#define GDK_Begin       0xFF58
#define GDK_Select      0xFF60
#define GDK_Print       0xFF61
#define GDK_Execute     0xFF62
#define GDK_Insert      0xFF63
#define GDK_Undo        0xFF65
#define GDK_Redo        0xFF66
#define GDK_Menu        0xFF67
#define GDK_Find        0xFF68
#define GDK_Cancel      0xFF69
#define GDK_Help        0xFF6A
#define GDK_Break       0xFF6B
#define GDK_Arabic_switch       0xFF7E
#define GDK_Greek_switch        0xFF7E
#define GDK_Hangul_switch       0xFF7E
#define GDK_Hebrew_switch       0xFF7E
#define GDK_ISO_Group_Shift     0xFF7E
#define GDK_Mode_switch 0xFF7E
#define GDK_kana_switch 0xFF7E
#define GDK_script_switch       0xFF7E
#define GDK_Num_Lock    0xFF7F
#define GDK_KP_Space    0xFF80
#define GDK_KP_Tab      0xFF89
#define GDK_KP_Enter    0xFF8D
#define GDK_KP_F1       0xFF91
#define GDK_KP_F2       0xFF92
#define GDK_KP_F3       0xFF93
#define GDK_KP_F4       0xFF94
#define GDK_KP_Home     0xFF95
#define GDK_KP_Left     0xFF96
#define GDK_KP_Up       0xFF97
#define GDK_KP_Right    0xFF98
#define GDK_KP_Down     0xFF99
#define GDK_KP_Page_Up  0xFF9A
#define GDK_KP_Prior    0xFF9A
#define GDK_KP_Next     0xFF9B
#define GDK_KP_Page_Down        0xFF9B
```

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```
#define GDK_KP_End      0xFF9C
#define GDK_KP_Begin    0xFF9D
#define GDK_KP_Insert   0xFF9E
#define GDK_KP_Delete   0xFF9F
#define GDK_KP_Multiply 0xFFAA
#define GDK_KP_Add      0xFFAB
#define GDK_KP_Separator        0xFFAC
#define GDK_KP_Subtract 0xFFAD
#define GDK_KP_Decimal  0xFFAE
#define GDK_KP_Divide   0xFFAF
#define GDK_KP_0        0xFFB0
#define GDK_KP_1        0xFFB1
#define GDK_KP_2        0xFFB2
#define GDK_KP_3        0xFFB3
#define GDK_KP_4        0xFFB4
#define GDK_KP_5        0xFFB5
#define GDK_KP_6        0xFFB6
#define GDK_KP_7        0xFFB7
#define GDK_KP_8        0xFFB8
#define GDK_KP_9        0xFFB9
#define GDK_KP_Equal    0xFFBD
#define GDK_F1  0xFFBE
#define GDK_F2  0xFFBF
#define GDK_F3  0xFFC0
#define GDK_F4  0xFFC1
#define GDK_F5  0xFFC2
#define GDK_F6  0xFFC3
#define GDK_F7  0xFFC4
#define GDK_F8  0xFFC5
#define GDK_F9  0xFFC6
#define GDK_F10 0xFFC7
#define GDK_F11 0xFFC8
#define GDK_L1  0xFFC8
#define GDK_F12 0xFFC9
#define GDK_L2  0xFFC9
#define GDK_F13 0xFFCA
#define GDK_L3  0xFFCA
#define GDK_F14 0xFFCB
#define GDK_L4  0xFFCB
#define GDK_F15 0xFFCC
#define GDK_L5  0xFFCC
#define GDK_F16 0xFFCD
#define GDK_L6  0xFFCD
#define GDK_F17 0xFFCE
#define GDK_L7  0xFFCE
#define GDK_F18 0xFFCF
#define GDK_L8  0xFFCF
#define GDK_F19 0xFFD0
#define GDK_L9  0xFFD0
#define GDK_F20 0xFFD1
#define GDK_L10 0xFFD1
#define GDK_F21 0xFFD2
#define GDK_R1  0xFFD2
#define GDK_F22 0xFFD3
#define GDK_R2  0xFFD3
#define GDK_F23 0xFFD4
#define GDK_R3  0xFFD4
#define GDK_F24 0xFFD5
#define GDK_R4  0xFFD5
#define GDK_F25 0xFFD6
#define GDK_R5  0xFFD6
#define GDK_F26 0xFFD7
#define GDK_R6  0xFFD7
#define GDK_F27 0xFFD8
#define GDK_R7  0xFFD8
#define GDK_F28 0xFFD9
```

```
#define GDK_R8  0xFFD9
#define GDK_F29 0xFFDA
#define GDK_R9  0xFFDA
#define GDK_F30 0xFFDB
#define GDK_R10 0xFFDB
#define GDK_F31 0xFFDC
#define GDK_R11 0xFFDC
#define GDK_F32 0xFFDD
#define GDK_R12 0xFFDD
#define GDK_F33 0xFFDE
#define GDK_R13 0xFFDE
#define GDK_F34 0xFFDF
#define GDK_R14 0xFFDF
#define GDK_F35 0xFFE0
#define GDK_R15 0xFFE0
#define GDK_Shift_L     0xFFE1
#define GDK_Shift_R     0xFFE2
#define GDK_Control_L   0xFFE3
#define GDK_Control_R   0xFFE4
#define GDK_Caps_Lock   0xFFE5
#define GDK_Shift_Lock  0xFFE6
#define GDK_Meta_L      0xFFE7
#define GDK_Meta_R      0xFFE8
#define GDK_Alt_L       0xFFE9
#define GDK_Alt_R       0xFFEA
#define GDK_Super_L     0xFFEB
#define GDK_Super_R     0xFFEC
#define GDK_Hyper_L     0xFFED
#define GDK_Hyper_R     0xFFEE
#define GDK_Delete      0xFFFF
#define GDK_VoidSymbol  0xFFFFFF
#define GDK_Greek_IOTAdiaeresis GDK_Greek_IOTAdieresis
```

12.21.3 gtk-2.0/gdk/gdkx.h

```
#define GDK_WINDOW_DESTROYED(d)  \
        (((GdkWindowObject*)(GDK_WINDOW (d)))->destroyed)
#define GDK_WINDOW_TYPE(d)       \
        (((GdkWindowObject*)(GDK_WINDOW (d)))->window_type)
#define GDK_COLORMAP_XCOLORMAP(cmap)     \
        (gdk_x11_colormap_get_xcolormap (cmap))
#define GDK_DISPLAY_XDISPLAY(display)    \
        (gdk_x11_display_get_xdisplay (display))
#define GDK_SCREEN_XDISPLAY(screen)      \
        (gdk_x11_display_get_xdisplay      (gdk_screen_get_display
(screen)))
#define GDK_PIXMAP_XDISPLAY(win)         \
        (gdk_x11_drawable_get_xdisplay (((GdkPixmapObject *)win)-
>impl))
#define GDK_WINDOW_XDISPLAY(win)         \
        (gdk_x11_drawable_get_xdisplay (((GdkWindowObject *)win)-
>impl))
#define GDK_SCREEN_XNUMBER(screen)       \
        (gdk_x11_screen_get_screen_number (screen))
#define GDK_PARENT_RELATIVE_BG  ((GdkPixmap *)1L)
#define GDK_NO_BG       ((GdkPixmap *)2L)
#define                                 GDK_COLORMAP_XDISPLAY(cmap)
(gdk_x11_colormap_get_xdisplay (cmap))
#define                                  GDK_CURSOR_XCURSOR(cursor)
(gdk_x11_cursor_get_xcursor (cursor))
#define                                 GDK_CURSOR_XDISPLAY(cursor)
(gdk_x11_cursor_get_xdisplay (cursor))
#define                                  GDK_DRAWABLE_XDISPLAY(win)
(gdk_x11_drawable_get_xdisplay (win))
#define GDK_DRAWABLE_XID(win)   (gdk_x11_drawable_get_xid (win))
```

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```
#define GDK_PIXMAP_XID(win)     (gdk_x11_drawable_get_xid (win))
#define GDK_WINDOW_XID(win)     (gdk_x11_drawable_get_xid (win))
#define GDK_WINDOW_XWINDOW(win) (gdk_x11_drawable_get_xid (win))
#define GDK_GC_XDISPLAY(gc)     (gdk_x11_gc_get_xdisplay (gc))
#define GDK_GC_XGC(gc)  (gdk_x11_gc_get_xgc (gc))
#define GDK_ROOT_WINDOW()       (gdk_x11_get_default_root_xwindow
())
#define                                 GDK_IMAGE_XDISPLAY(image)
(gdk_x11_image_get_xdisplay (image))
#define     GDK_IMAGE_XIMAGE(image)     (gdk_x11_image_get_ximage
(image))
#define                                GDK_SCREEN_XSCREEN(screen)
(gdk_x11_screen_get_xscreen (screen))
#define                                GDK_VISUAL_XVISUAL(visual)
(gdk_x11_visual_get_xvisual (visual))
#define GDK_DISPLAY()   gdk_display

extern guint32 gdk_x11_get_server_time(GdkWindow *);
extern  gpointer  gdk_xid_table_lookup_for_display(GdkDisplay  *,
XID);
extern   GdkVisual   *gdk_x11_screen_lookup_visual(GdkScreen   *,
VisualID);
extern Window gdk_x11_get_default_root_xwindow(void);
extern Visual *gdk_x11_visual_get_xvisual(GdkVisual *);
extern void gdk_x11_display_ungrab(GdkDisplay *);
extern  void  gdk_x11_register_standard_event_type(GdkDisplay  *,
gint, gint);
extern void gdk_window_destroy_notify(GdkWindow *);
extern const gchar *gdk_x11_get_xatom_name(Atom);
extern Atom gdk_x11_get_xatom_by_name_for_display(GdkDisplay *,
                                                const gchar *);
extern   GdkColormap   *gdk_x11_colormap_foreign_new(GdkVisual   *,
Colormap);
extern gboolean gdk_net_wm_supports(GdkAtom);
extern const gchar *gdk_x11_get_xatom_name_for_display(GdkDisplay
*, Atom);
extern GdkVisual *gdkx_visual_get(VisualID);
extern Atom gdk_x11_get_xatom_by_name(const gchar *);
extern gpointer gdk_xid_table_lookup(XID);
extern XID gdk_x11_drawable_get_xid(GdkDrawable *);
extern Display *gdk_x11_gc_get_xdisplay(GdkGC *);
extern Colormap gdk_x11_colormap_get_xcolormap(GdkColormap *);
extern GdkDisplay *gdk_x11_lookup_xdisplay(Display *);
extern GC gdk_x11_gc_get_xgc(GdkGC *);
extern void gdk_x11_grab_server(void);
extern int gdk_x11_screen_get_screen_number(GdkScreen *);
extern                          const                        char
*gdk_x11_screen_get_window_manager_name(GdkScreen *);
extern  GdkAtom  gdk_x11_xatom_to_atom_for_display(GdkDisplay  *,
Atom);
extern Screen *gdk_x11_screen_get_xscreen(GdkScreen *);
extern void gdk_x11_ungrab_server(void);
extern gint gdk_x11_get_default_screen(void);
extern Display *gdk_x11_drawable_get_xdisplay(GdkDrawable *);
extern GdkAtom gdk_x11_xatom_to_atom(Atom);
extern Display *gdk_x11_colormap_get_xdisplay(GdkColormap *);
extern void gdk_x11_window_set_user_time(GdkWindow *, guint32);
extern Atom gdk_x11_atom_to_xatom(GdkAtom);
extern XImage *gdk_x11_image_get_ximage(GdkImage *);
extern Display *gdk_x11_cursor_get_xdisplay(GdkCursor *);
extern void gdk_x11_display_grab(GdkDisplay *);
extern Display *gdk_display;
extern Display *gdk_x11_image_get_xdisplay(GdkImage *);
extern Display *gdk_x11_get_default_xdisplay(void);
extern  gboolean  gdk_x11_screen_supports_net_wm_hint(GdkScreen  *,
GdkAtom);
```

```
extern     void     gdk_synthesize_window_state(GdkWindow     *,
GdkWindowState,
                                        GdkWindowState);
extern Display *gdk_x11_display_get_xdisplay(GdkDisplay *);
extern   Atom   gdk_x11_atom_to_xatom_for_display(GdkDisplay   *,
GdkAtom);
extern Cursor gdk_x11_cursor_get_xcursor(GdkCursor *);
```

12.22 Interfaces for libgtk-x11-2.0

Table 12-25 defines the library name and shared object name for the libgtk-x11-2.0 library

Table 12-25 libgtk-x11-2.0 Definition

Library:	libgtk-x11-2.0
SONAME:	libgtk-x11-2.0.so.0

The behavior of the interfaces in this library is specified by the following specifications:

[Gtk] Gtk 2.6.2 Reference Manual

12.22.1 GTK main Widgets library

12.22.1.1 Interfaces for GTK main Widgets library

An LSB conforming implementation shall provide the generic functions for GTK main Widgets library specified in Table 12-26, with the full mandatory functionality as described in the referenced underlying specification.

Table 12-26 libgtk-x11-2.0 - GTK main Widgets library Function Interfaces

gtk_about_dialog_get_artists [Gtk]	gtk_about_dialog_get_authors [Gtk]
gtk_about_dialog_get_comments [Gtk]	gtk_about_dialog_get_copyright [Gtk]
gtk_about_dialog_get_documenters [Gtk]	gtk_about_dialog_get_license [Gtk]
gtk_about_dialog_get_logo [Gtk]	gtk_about_dialog_get_logo_icon_name [Gtk]
gtk_about_dialog_get_name [Gtk]	gtk_about_dialog_get_translator_credits [Gtk]
gtk_about_dialog_get_type [Gtk]	gtk_about_dialog_get_version [Gtk]
gtk_about_dialog_get_website [Gtk]	gtk_about_dialog_get_website_label [Gtk]
gtk_about_dialog_new [Gtk]	gtk_about_dialog_set_artists [Gtk]
gtk_about_dialog_set_authors [Gtk]	gtk_about_dialog_set_comments [Gtk]
gtk_about_dialog_set_copyright [Gtk]	gtk_about_dialog_set_documenters [Gtk]
gtk_about_dialog_set_email_hook [Gtk]	gtk_about_dialog_set_license [Gtk]

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gtk_about_dialog_set_logo [Gtk]	gtk_about_dialog_set_logo_icon_name [Gtk]
gtk_about_dialog_set_name [Gtk]	gtk_about_dialog_set_translator_credits [Gtk]
gtk_about_dialog_set_url_hook [Gtk]	gtk_about_dialog_set_version [Gtk]
gtk_about_dialog_set_website [Gtk]	gtk_about_dialog_set_website_label [Gtk]
gtk_accel_flags_get_type [Gtk]	gtk_accel_group_activate [Gtk]
gtk_accel_group_connect [Gtk]	gtk_accel_group_connect_by_path [Gtk]
gtk_accel_group_disconnect [Gtk]	gtk_accel_group_disconnect_key [Gtk]
gtk_accel_group_find [Gtk]	gtk_accel_group_from_accel_closure [Gtk]
gtk_accel_group_get_type [Gtk]	gtk_accel_group_lock [Gtk]
gtk_accel_group_new [Gtk]	gtk_accel_group_query [Gtk]
gtk_accel_group_unlock [Gtk]	gtk_accel_groups_activate [Gtk]
gtk_accel_groups_from_object [Gtk]	gtk_accel_label_get_accel_widget [Gtk]
gtk_accel_label_get_accel_width [Gtk]	gtk_accel_label_get_type [Gtk]
gtk_accel_label_new [Gtk]	gtk_accel_label_refetch [Gtk]
gtk_accel_label_set_accel_closure [Gtk]	gtk_accel_label_set_accel_widget [Gtk]
gtk_accel_map_add_entry [Gtk]	gtk_accel_map_add_filter [Gtk]
gtk_accel_map_change_entry [Gtk]	gtk_accel_map_foreach [Gtk]
gtk_accel_map_foreach_unfiltered [Gtk]	gtk_accel_map_get [Gtk]
gtk_accel_map_get_type [Gtk]	gtk_accel_map_load [Gtk]
gtk_accel_map_load_fd [Gtk]	gtk_accel_map_load_scanner [Gtk]
gtk_accel_map_lock_path [Gtk]	gtk_accel_map_lookup_entry [Gtk]
gtk_accel_map_save [Gtk]	gtk_accel_map_save_fd [Gtk]
gtk_accel_map_unlock_path [Gtk]	gtk_accelerator_get_default_mod_mask [Gtk]
gtk_accelerator_get_label [Gtk]	gtk_accelerator_name [Gtk]
gtk_accelerator_parse [Gtk]	gtk_accelerator_set_default_mod_mask [Gtk]
gtk_accelerator_valid [Gtk]	gtk_accessible_connect_widget_destroyed [Gtk]

gtk_accessible_get_type [Gtk]	gtk_action_activate [Gtk]
gtk_action_block_activate_from [Gtk]	gtk_action_connect_accelerator [Gtk]
gtk_action_connect_proxy [Gtk]	gtk_action_create_icon [Gtk]
gtk_action_create_menu_item [Gtk]	gtk_action_create_tool_item [Gtk]
gtk_action_disconnect_accelerator [Gtk]	gtk_action_disconnect_proxy [Gtk]
gtk_action_get_accel_path [Gtk]	gtk_action_get_name [Gtk]
gtk_action_get_proxies [Gtk]	gtk_action_get_sensitive [Gtk]
gtk_action_get_type [Gtk]	gtk_action_get_visible [Gtk]
gtk_action_group_add_action [Gtk]	gtk_action_group_add_action_with_accel [Gtk]
gtk_action_group_add_actions [Gtk]	gtk_action_group_add_actions_full [Gtk]
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gtk_radio_tool_button_set_group [Gtk]	gtk_range_get_adjustment [Gtk]

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gtk_range_get_inverted [Gtk]	gtk_range_get_type [Gtk]
gtk_range_get_update_policy [Gtk]	gtk_range_get_value [Gtk]
gtk_range_set_adjustment [Gtk]	gtk_range_set_increments [Gtk]
gtk_range_set_inverted [Gtk]	gtk_range_set_range [Gtk]
gtk_range_set_update_policy [Gtk]	gtk_range_set_value [Gtk]
gtk_rc_add_default_file [Gtk]	gtk_rc_find_module_in_path [Gtk]
gtk_rc_find_pixmap_in_path [Gtk]	gtk_rc_flags_get_type [Gtk]
gtk_rc_get_default_files [Gtk]	gtk_rc_get_im_module_file [Gtk]
gtk_rc_get_im_module_path [Gtk]	gtk_rc_get_module_dir [Gtk]
gtk_rc_get_style [Gtk]	gtk_rc_get_style_by_paths [Gtk]
gtk_rc_get_theme_dir [Gtk]	gtk_rc_parse [Gtk]
gtk_rc_parse_color [Gtk]	gtk_rc_parse_priority [Gtk]
gtk_rc_parse_state [Gtk]	gtk_rc_parse_string [Gtk]
gtk_rc_property_parse_border [Gtk]	gtk_rc_property_parse_color [Gtk]
gtk_rc_property_parse_enum [Gtk]	gtk_rc_property_parse_flags [Gtk]
gtk_rc_property_parse_requisition [Gtk]	gtk_rc_reparse_all [Gtk]
gtk_rc_reparse_all_for_settings [Gtk]	gtk_rc_reset_styles [Gtk]
gtk_rc_scanner_new [Gtk]	gtk_rc_set_default_files [Gtk]
gtk_rc_style_copy [Gtk]	gtk_rc_style_get_type [Gtk]
gtk_rc_style_new [Gtk]	gtk_rc_style_ref [Gtk]
gtk_rc_style_unref [Gtk]	gtk_rc_token_type_get_type [Gtk]
gtk_relief_style_get_type [Gtk]	gtk_requisition_copy [Gtk]
gtk_requisition_free [Gtk]	gtk_requisition_get_type [Gtk]
gtk_resize_mode_get_type [Gtk]	gtk_response_type_get_type [Gtk]
gtk_ruler_draw_pos [Gtk]	gtk_ruler_draw_ticks [Gtk]
gtk_ruler_get_metric [Gtk]	gtk_ruler_get_range [Gtk]
gtk_ruler_get_type [Gtk]	gtk_ruler_set_metric [Gtk]
gtk_ruler_set_range [Gtk]	gtk_scale_get_digits [Gtk]
gtk_scale_get_draw_value [Gtk]	gtk_scale_get_layout [Gtk]
gtk_scale_get_layout_offsets [Gtk]	gtk_scale_get_type [Gtk]
gtk_scale_get_value_pos [Gtk]	gtk_scale_set_digits [Gtk]
gtk_scale_set_draw_value [Gtk]	gtk_scale_set_value_pos [Gtk]
gtk_scroll_step_get_type [Gtk]	gtk_scroll_type_get_type [Gtk]
gtk_scrollbar_get_type [Gtk]	gtk_scrolled_window_add_with_vie

	wport [Gtk]
gtk_scrolled_window_get_hadjustment [Gtk]	gtk_scrolled_window_get_placement [Gtk]
gtk_scrolled_window_get_policy [Gtk]	gtk_scrolled_window_get_shadow_type [Gtk]
gtk_scrolled_window_get_type [Gtk]	gtk_scrolled_window_get_vadjustment [Gtk]
gtk_scrolled_window_new [Gtk]	gtk_scrolled_window_set_hadjustment [Gtk]
gtk_scrolled_window_set_placement [Gtk]	gtk_scrolled_window_set_policy [Gtk]
gtk_scrolled_window_set_shadow_type [Gtk]	gtk_scrolled_window_set_vadjustment [Gtk]
gtk_selection_add_target [Gtk]	gtk_selection_add_targets [Gtk]
gtk_selection_clear_targets [Gtk]	gtk_selection_convert [Gtk]
gtk_selection_data_copy [Gtk]	gtk_selection_data_free [Gtk]
gtk_selection_data_get_pixbuf [Gtk]	gtk_selection_data_get_targets [Gtk]
gtk_selection_data_get_text [Gtk]	gtk_selection_data_get_type [Gtk]
gtk_selection_data_get_uris [Gtk]	gtk_selection_data_set [Gtk]
gtk_selection_data_set_pixbuf [Gtk]	gtk_selection_data_set_text [Gtk]
gtk_selection_data_set_uris [Gtk]	gtk_selection_data_targets_include_image [Gtk]
gtk_selection_data_targets_include_text [Gtk]	gtk_selection_mode_get_type [Gtk]
gtk_selection_owner_set [Gtk]	gtk_selection_owner_set_for_display [Gtk]
gtk_selection_remove_all [Gtk]	gtk_separator_get_type [Gtk]
gtk_separator_menu_item_get_type [Gtk]	gtk_separator_menu_item_new [Gtk]
gtk_separator_tool_item_get_draw [Gtk]	gtk_separator_tool_item_get_type [Gtk]
gtk_separator_tool_item_new [Gtk]	gtk_separator_tool_item_set_draw [Gtk]
gtk_set_locale [Gtk]	gtk_settings_get_default [Gtk]
gtk_settings_get_for_screen [Gtk]	gtk_settings_get_type [Gtk]
gtk_settings_install_property [Gtk]	gtk_settings_install_property_parser [Gtk]
gtk_settings_set_double_property [Gtk]	gtk_settings_set_long_property [Gtk]
gtk_settings_set_property_value	gtk_settings_set_string_property

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[Gtk]	[Gtk]
gtk_shadow_type_get_type [Gtk]	gtk_show_about_dialog [Gtk]
gtk_side_type_get_type [Gtk]	gtk_signal_run_type_get_type [Gtk]
gtk_size_group_add_widget [Gtk]	gtk_size_group_get_mode [Gtk]
gtk_size_group_get_type [Gtk]	gtk_size_group_mode_get_type [Gtk]
gtk_size_group_new [Gtk]	gtk_size_group_remove_widget [Gtk]
gtk_size_group_set_mode [Gtk]	gtk_socket_add_id [Gtk]
gtk_socket_get_id [Gtk]	gtk_socket_get_type [Gtk]
gtk_socket_new [Gtk]	gtk_sort_type_get_type [Gtk]
gtk_spin_button_configure [Gtk]	gtk_spin_button_get_adjustment [Gtk]
gtk_spin_button_get_digits [Gtk]	gtk_spin_button_get_increments [Gtk]
gtk_spin_button_get_numeric [Gtk]	gtk_spin_button_get_range [Gtk]
gtk_spin_button_get_snap_to_ticks [Gtk]	gtk_spin_button_get_type [Gtk]
gtk_spin_button_get_update_policy [Gtk]	gtk_spin_button_get_value [Gtk]
gtk_spin_button_get_value_as_int [Gtk]	gtk_spin_button_get_wrap [Gtk]
gtk_spin_button_new [Gtk]	gtk_spin_button_new_with_range [Gtk]
gtk_spin_button_set_adjustment [Gtk]	gtk_spin_button_set_digits [Gtk]
gtk_spin_button_set_increments [Gtk]	gtk_spin_button_set_numeric [Gtk]
gtk_spin_button_set_range [Gtk]	gtk_spin_button_set_snap_to_ticks [Gtk]
gtk_spin_button_set_update_policy [Gtk]	gtk_spin_button_set_value [Gtk]
gtk_spin_button_set_wrap [Gtk]	gtk_spin_button_spin [Gtk]
gtk_spin_button_update [Gtk]	gtk_spin_button_update_policy_get_type [Gtk]
gtk_spin_type_get_type [Gtk]	gtk_state_type_get_type [Gtk]
gtk_statusbar_get_context_id [Gtk]	gtk_statusbar_get_has_resize_grip [Gtk]
gtk_statusbar_get_type [Gtk]	gtk_statusbar_new [Gtk]
gtk_statusbar_pop [Gtk]	gtk_statusbar_push [Gtk]

gtk_statusbar_remove [Gtk]	gtk_statusbar_set_has_resize_grip [Gtk]
gtk_stock_add [Gtk]	gtk_stock_add_static [Gtk]
gtk_stock_item_copy [Gtk]	gtk_stock_item_free [Gtk]
gtk_stock_list_ids [Gtk]	gtk_stock_lookup [Gtk]
gtk_style_apply_default_background [Gtk]	gtk_style_attach [Gtk]
gtk_style_copy [Gtk]	gtk_style_detach [Gtk]
gtk_style_get_type [Gtk]	gtk_style_lookup_icon_set [Gtk]
gtk_style_new [Gtk]	gtk_style_render_icon [Gtk]
gtk_style_set_background [Gtk]	gtk_submenu_direction_get_type [Gtk]
gtk_submenu_placement_get_type [Gtk]	gtk_table_attach [Gtk]
gtk_table_attach_defaults [Gtk]	gtk_table_get_col_spacing [Gtk]
gtk_table_get_default_col_spacing [Gtk]	gtk_table_get_default_row_spacing [Gtk]
gtk_table_get_homogeneous [Gtk]	gtk_table_get_row_spacing [Gtk]
gtk_table_get_type [Gtk]	gtk_table_new [Gtk]
gtk_table_resize [Gtk]	gtk_table_set_col_spacing [Gtk]
gtk_table_set_col_spacings [Gtk]	gtk_table_set_homogeneous [Gtk]
gtk_table_set_row_spacing [Gtk]	gtk_table_set_row_spacings [Gtk]
gtk_target_flags_get_type [Gtk]	gtk_target_list_add [Gtk]
gtk_target_list_add_image_targets [Gtk]	gtk_target_list_add_table [Gtk]
gtk_target_list_add_text_targets [Gtk]	gtk_target_list_add_uri_targets [Gtk]
gtk_target_list_find [Gtk]	gtk_target_list_new [Gtk]
gtk_target_list_ref [Gtk]	gtk_target_list_remove [Gtk]
gtk_target_list_unref [Gtk]	gtk_tearoff_menu_item_get_type [Gtk]
gtk_tearoff_menu_item_new [Gtk]	gtk_text_attributes_copy [Gtk]
gtk_text_attributes_copy_values [Gtk]	gtk_text_attributes_get_type [Gtk]
gtk_text_attributes_new [Gtk]	gtk_text_attributes_ref [Gtk]
gtk_text_attributes_unref [Gtk]	gtk_text_buffer_add_selection_clipboard [Gtk]
gtk_text_buffer_apply_tag [Gtk]	gtk_text_buffer_apply_tag_by_name

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	[Gtk]
gtk_text_buffer_backspace [Gtk]	gtk_text_buffer_begin_user_action [Gtk]
gtk_text_buffer_copy_clipboard [Gtk]	gtk_text_buffer_create_child_anchor [Gtk]
gtk_text_buffer_create_mark [Gtk]	gtk_text_buffer_create_tag [Gtk]
gtk_text_buffer_cut_clipboard [Gtk]	gtk_text_buffer_delete [Gtk]
gtk_text_buffer_delete_interactive [Gtk]	gtk_text_buffer_delete_mark [Gtk]
gtk_text_buffer_delete_mark_by_name [Gtk]	gtk_text_buffer_delete_selection [Gtk]
gtk_text_buffer_end_user_action [Gtk]	gtk_text_buffer_get_bounds [Gtk]
gtk_text_buffer_get_char_count [Gtk]	gtk_text_buffer_get_end_iter [Gtk]
gtk_text_buffer_get_insert [Gtk]	gtk_text_buffer_get_iter_at_child_anchor [Gtk]
gtk_text_buffer_get_iter_at_line [Gtk]	gtk_text_buffer_get_iter_at_line_index [Gtk]
gtk_text_buffer_get_iter_at_line_offset [Gtk]	gtk_text_buffer_get_iter_at_mark [Gtk]
gtk_text_buffer_get_iter_at_offset [Gtk]	gtk_text_buffer_get_line_count [Gtk]
gtk_text_buffer_get_mark [Gtk]	gtk_text_buffer_get_modified [Gtk]
gtk_text_buffer_get_selection_bound [Gtk]	gtk_text_buffer_get_selection_bounds [Gtk]
gtk_text_buffer_get_slice [Gtk]	gtk_text_buffer_get_start_iter [Gtk]
gtk_text_buffer_get_tag_table [Gtk]	gtk_text_buffer_get_text [Gtk]
gtk_text_buffer_get_type [Gtk]	gtk_text_buffer_insert [Gtk]
gtk_text_buffer_insert_at_cursor [Gtk]	gtk_text_buffer_insert_child_anchor [Gtk]
gtk_text_buffer_insert_interactive [Gtk]	gtk_text_buffer_insert_interactive_at_cursor [Gtk]
gtk_text_buffer_insert_pixbuf [Gtk]	gtk_text_buffer_insert_range [Gtk]
gtk_text_buffer_insert_range_interactive [Gtk]	gtk_text_buffer_insert_with_tags [Gtk]
gtk_text_buffer_insert_with_tags_by_name [Gtk]	gtk_text_buffer_move_mark [Gtk]
gtk_text_buffer_move_mark_by_name [Gtk]	gtk_text_buffer_new [Gtk]
gtk_text_buffer_paste_clipboard	gtk_text_buffer_place_cursor [Gtk]

[Gtk]	
gtk_text_buffer_remove_all_tags [Gtk]	gtk_text_buffer_remove_selection_clipboard [Gtk]
gtk_text_buffer_remove_tag [Gtk]	gtk_text_buffer_remove_tag_by_name [Gtk]
gtk_text_buffer_select_range [Gtk]	gtk_text_buffer_set_modified [Gtk]
gtk_text_buffer_set_text [Gtk]	gtk_text_child_anchor_get_deleted [Gtk]
gtk_text_child_anchor_get_type [Gtk]	gtk_text_child_anchor_get_widgets [Gtk]
gtk_text_child_anchor_new [Gtk]	gtk_text_direction_get_type [Gtk]
gtk_text_iter_backward_char [Gtk]	gtk_text_iter_backward_chars [Gtk]
gtk_text_iter_backward_cursor_position [Gtk]	gtk_text_iter_backward_cursor_positions [Gtk]
gtk_text_iter_backward_find_char [Gtk]	gtk_text_iter_backward_line [Gtk]
gtk_text_iter_backward_lines [Gtk]	gtk_text_iter_backward_search [Gtk]
gtk_text_iter_backward_sentence_start [Gtk]	gtk_text_iter_backward_sentence_starts [Gtk]
gtk_text_iter_backward_to_tag_toggle [Gtk]	gtk_text_iter_backward_visible_cursor_position [Gtk]
gtk_text_iter_backward_visible_cursor_positions [Gtk]	gtk_text_iter_backward_visible_word_start [Gtk]
gtk_text_iter_backward_visible_word_starts [Gtk]	gtk_text_iter_backward_word_start [Gtk]
gtk_text_iter_backward_word_starts [Gtk]	gtk_text_iter_begins_tag [Gtk]
gtk_text_iter_can_insert [Gtk]	gtk_text_iter_compare [Gtk]
gtk_text_iter_copy [Gtk]	gtk_text_iter_editable [Gtk]
gtk_text_iter_ends_line [Gtk]	gtk_text_iter_ends_sentence [Gtk]
gtk_text_iter_ends_tag [Gtk]	gtk_text_iter_ends_word [Gtk]
gtk_text_iter_equal [Gtk]	gtk_text_iter_forward_char [Gtk]
gtk_text_iter_forward_chars [Gtk]	gtk_text_iter_forward_cursor_position [Gtk]
gtk_text_iter_forward_cursor_positions [Gtk]	gtk_text_iter_forward_find_char [Gtk]
gtk_text_iter_forward_line [Gtk]	gtk_text_iter_forward_lines [Gtk]
gtk_text_iter_forward_search [Gtk]	gtk_text_iter_forward_sentence_end [Gtk]
gtk_text_iter_forward_sentence_ends	gtk_text_iter_forward_to_end [Gtk]

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[Gtk]	
gtk_text_iter_forward_to_line_end [Gtk]	gtk_text_iter_forward_to_tag_toggle [Gtk]
gtk_text_iter_forward_visible_cursor _position [Gtk]	gtk_text_iter_forward_visible_cursor _positions [Gtk]
gtk_text_iter_forward_visible_word_ end [Gtk]	gtk_text_iter_forward_visible_word_ ends [Gtk]
gtk_text_iter_forward_word_end [Gtk]	gtk_text_iter_forward_word_ends [Gtk]
gtk_text_iter_free [Gtk]	gtk_text_iter_get_attributes [Gtk]
gtk_text_iter_get_buffer [Gtk]	gtk_text_iter_get_bytes_in_line [Gtk]
gtk_text_iter_get_char [Gtk]	gtk_text_iter_get_chars_in_line [Gtk]
gtk_text_iter_get_child_anchor [Gtk]	gtk_text_iter_get_language [Gtk]
gtk_text_iter_get_line [Gtk]	gtk_text_iter_get_line_index [Gtk]
gtk_text_iter_get_line_offset [Gtk]	gtk_text_iter_get_marks [Gtk]
gtk_text_iter_get_offset [Gtk]	gtk_text_iter_get_pixbuf [Gtk]
gtk_text_iter_get_slice [Gtk]	gtk_text_iter_get_tags [Gtk]
gtk_text_iter_get_text [Gtk]	gtk_text_iter_get_toggled_tags [Gtk]
gtk_text_iter_get_type [Gtk]	gtk_text_iter_get_visible_line_index [Gtk]
gtk_text_iter_get_visible_line_offset [Gtk]	gtk_text_iter_get_visible_slice [Gtk]
gtk_text_iter_get_visible_text [Gtk]	gtk_text_iter_has_tag [Gtk]
gtk_text_iter_in_range [Gtk]	gtk_text_iter_inside_sentence [Gtk]
gtk_text_iter_inside_word [Gtk]	gtk_text_iter_is_cursor_position [Gtk]
gtk_text_iter_is_end [Gtk]	gtk_text_iter_is_start [Gtk]
gtk_text_iter_order [Gtk]	gtk_text_iter_set_line [Gtk]
gtk_text_iter_set_line_index [Gtk]	gtk_text_iter_set_line_offset [Gtk]
gtk_text_iter_set_offset [Gtk]	gtk_text_iter_set_visible_line_index [Gtk]
gtk_text_iter_set_visible_line_offset [Gtk]	gtk_text_iter_starts_line [Gtk]
gtk_text_iter_starts_sentence [Gtk]	gtk_text_iter_starts_word [Gtk]
gtk_text_iter_toggles_tag [Gtk]	gtk_text_mark_get_buffer [Gtk]
gtk_text_mark_get_deleted [Gtk]	gtk_text_mark_get_left_gravity [Gtk]
gtk_text_mark_get_name [Gtk]	gtk_text_mark_get_type [Gtk]
gtk_text_mark_get_visible [Gtk]	gtk_text_mark_set_visible [Gtk]

gtk_text_search_flags_get_type [Gtk]	gtk_text_tag_event [Gtk]
gtk_text_tag_get_priority [Gtk]	gtk_text_tag_get_type [Gtk]
gtk_text_tag_new [Gtk]	gtk_text_tag_set_priority [Gtk]
gtk_text_tag_table_add [Gtk]	gtk_text_tag_table_foreach [Gtk]
gtk_text_tag_table_get_size [Gtk]	gtk_text_tag_table_get_type [Gtk]
gtk_text_tag_table_lookup [Gtk]	gtk_text_tag_table_new [Gtk]
gtk_text_tag_table_remove [Gtk]	gtk_text_view_add_child_at_anchor [Gtk]
gtk_text_view_add_child_in_window [Gtk]	gtk_text_view_backward_display_line [Gtk]
gtk_text_view_backward_display_line_start [Gtk]	gtk_text_view_buffer_to_window_coords [Gtk]
gtk_text_view_forward_display_line [Gtk]	gtk_text_view_forward_display_line_end [Gtk]
gtk_text_view_get_accepts_tab [Gtk]	gtk_text_view_get_border_window_size [Gtk]
gtk_text_view_get_buffer [Gtk]	gtk_text_view_get_cursor_visible [Gtk]
gtk_text_view_get_default_attributes [Gtk]	gtk_text_view_get_editable [Gtk]
gtk_text_view_get_indent [Gtk]	gtk_text_view_get_iter_at_location [Gtk]
gtk_text_view_get_iter_at_position [Gtk]	gtk_text_view_get_iter_location [Gtk]
gtk_text_view_get_justification [Gtk]	gtk_text_view_get_left_margin [Gtk]
gtk_text_view_get_line_at_y [Gtk]	gtk_text_view_get_line_yrange [Gtk]
gtk_text_view_get_overwrite [Gtk]	gtk_text_view_get_pixels_above_lines [Gtk]
gtk_text_view_get_pixels_below_lines [Gtk]	gtk_text_view_get_pixels_inside_wrap [Gtk]
gtk_text_view_get_right_margin [Gtk]	gtk_text_view_get_tabs [Gtk]
gtk_text_view_get_type [Gtk]	gtk_text_view_get_visible_rect [Gtk]
gtk_text_view_get_window [Gtk]	gtk_text_view_get_window_type [Gtk]
gtk_text_view_get_wrap_mode [Gtk]	gtk_text_view_move_child [Gtk]
gtk_text_view_move_mark_onscreen [Gtk]	gtk_text_view_move_visually [Gtk]
gtk_text_view_new [Gtk]	gtk_text_view_new_with_buffer [Gtk]

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gtk_text_view_place_cursor_onscreen [Gtk]	gtk_text_view_scroll_mark_onscreen [Gtk]
gtk_text_view_scroll_to_iter [Gtk]	gtk_text_view_scroll_to_mark [Gtk]
gtk_text_view_set_accepts_tab [Gtk]	gtk_text_view_set_border_window_size [Gtk]
gtk_text_view_set_buffer [Gtk]	gtk_text_view_set_cursor_visible [Gtk]
gtk_text_view_set_editable [Gtk]	gtk_text_view_set_indent [Gtk]
gtk_text_view_set_justification [Gtk]	gtk_text_view_set_left_margin [Gtk]
gtk_text_view_set_overwrite [Gtk]	gtk_text_view_set_pixels_above_lines [Gtk]
gtk_text_view_set_pixels_below_lines [Gtk]	gtk_text_view_set_pixels_inside_wrap [Gtk]
gtk_text_view_set_right_margin [Gtk]	gtk_text_view_set_tabs [Gtk]
gtk_text_view_set_wrap_mode [Gtk]	gtk_text_view_starts_display_line [Gtk]
gtk_text_view_window_to_buffer_coords [Gtk]	gtk_text_window_type_get_type [Gtk]
gtk_toggle_action_get_active [Gtk]	gtk_toggle_action_get_draw_as_radio [Gtk]
gtk_toggle_action_get_type [Gtk]	gtk_toggle_action_new [Gtk]
gtk_toggle_action_set_active [Gtk]	gtk_toggle_action_set_draw_as_radio [Gtk]
gtk_toggle_action_toggled [Gtk]	gtk_toggle_button_get_active [Gtk]
gtk_toggle_button_get_inconsistent [Gtk]	gtk_toggle_button_get_mode [Gtk]
gtk_toggle_button_get_type [Gtk]	gtk_toggle_button_new [Gtk]
gtk_toggle_button_new_with_label [Gtk]	gtk_toggle_button_new_with_mnemonic [Gtk]
gtk_toggle_button_set_active [Gtk]	gtk_toggle_button_set_inconsistent [Gtk]
gtk_toggle_button_set_mode [Gtk]	gtk_toggle_button_toggled [Gtk]
gtk_toggle_tool_button_get_active [Gtk]	gtk_toggle_tool_button_get_type [Gtk]
gtk_toggle_tool_button_new [Gtk]	gtk_toggle_tool_button_new_from_stock [Gtk]
gtk_toggle_tool_button_set_active [Gtk]	gtk_tool_button_get_icon_widget [Gtk]
gtk_tool_button_get_label [Gtk]	gtk_tool_button_get_label_widget [Gtk]

gtk_tool_button_get_stock_id [Gtk]	gtk_tool_button_get_type [Gtk]
gtk_tool_button_get_use_underline [Gtk]	gtk_tool_button_new [Gtk]
gtk_tool_button_new_from_stock [Gtk]	gtk_tool_button_set_icon_widget [Gtk]
gtk_tool_button_set_label [Gtk]	gtk_tool_button_set_label_widget [Gtk]
gtk_tool_button_set_stock_id [Gtk]	gtk_tool_button_set_use_underline [Gtk]
gtk_tool_item_get_expand [Gtk]	gtk_tool_item_get_homogeneous [Gtk]
gtk_tool_item_get_icon_size [Gtk]	gtk_tool_item_get_is_important [Gtk]
gtk_tool_item_get_orientation [Gtk]	gtk_tool_item_get_proxy_menu_item [Gtk]
gtk_tool_item_get_relief_style [Gtk]	gtk_tool_item_get_toolbar_style [Gtk]
gtk_tool_item_get_type [Gtk]	gtk_tool_item_get_use_drag_windo w [Gtk]
gtk_tool_item_get_visible_horizontal [Gtk]	gtk_tool_item_get_visible_vertical [Gtk]
gtk_tool_item_new [Gtk]	gtk_tool_item_rebuild_menu [Gtk]
gtk_tool_item_retrieve_proxy_menu _item [Gtk]	gtk_tool_item_set_expand [Gtk]
gtk_tool_item_set_homogeneous [Gtk]	gtk_tool_item_set_is_important [Gtk]
gtk_tool_item_set_proxy_menu_item [Gtk]	gtk_tool_item_set_tooltip [Gtk]
gtk_tool_item_set_use_drag_window [Gtk]	gtk_tool_item_set_visible_horizontal [Gtk]
gtk_tool_item_set_visible_vertical [Gtk]	gtk_toolbar_child_type_get_type [Gtk]
gtk_toolbar_get_drop_index [Gtk]	gtk_toolbar_get_icon_size [Gtk]
gtk_toolbar_get_item_index [Gtk]	gtk_toolbar_get_n_items [Gtk]
gtk_toolbar_get_nth_item [Gtk]	gtk_toolbar_get_orientation [Gtk]
gtk_toolbar_get_relief_style [Gtk]	gtk_toolbar_get_show_arrow [Gtk]
gtk_toolbar_get_style [Gtk]	gtk_toolbar_get_tooltips [Gtk]
gtk_toolbar_get_type [Gtk]	gtk_toolbar_insert [Gtk]
gtk_toolbar_new [Gtk]	gtk_toolbar_set_drop_highlight_item [Gtk]

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gtk_toolbar_set_orientation [Gtk]	gtk_toolbar_set_show_arrow [Gtk]
gtk_toolbar_set_style [Gtk]	gtk_toolbar_set_tooltips [Gtk]
gtk_toolbar_space_style_get_type [Gtk]	gtk_toolbar_style_get_type [Gtk]
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gtk_tree_iter_free [Gtk]	gtk_tree_iter_get_type [Gtk]
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gtk_tree_model_filter_convert_path_to_child_path [Gtk]	gtk_tree_model_filter_get_model [Gtk]
gtk_tree_model_filter_get_type [Gtk]	gtk_tree_model_filter_new [Gtk]
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gtk_tree_model_get_flags [Gtk]	gtk_tree_model_get_iter [Gtk]
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gtk_tree_row_reference_new [Gtk]	gtk_tree_row_reference_new_proxy

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	[Gtk]
gtk_tree_row_reference_reordered [Gtk]	gtk_tree_row_reference_valid [Gtk]
gtk_tree_selection_count_selected_rows [Gtk]	gtk_tree_selection_get_mode [Gtk]
gtk_tree_selection_get_selected [Gtk]	gtk_tree_selection_get_selected_rows [Gtk]
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gtk_tree_selection_path_is_selected [Gtk]	gtk_tree_selection_select_all [Gtk]
gtk_tree_selection_select_iter [Gtk]	gtk_tree_selection_select_path [Gtk]
gtk_tree_selection_select_range [Gtk]	gtk_tree_selection_selected_foreach [Gtk]
gtk_tree_selection_set_mode [Gtk]	gtk_tree_selection_set_select_function [Gtk]
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gtk_tree_store_insert_after [Gtk]	gtk_tree_store_insert_before [Gtk]
gtk_tree_store_is_ancestor [Gtk]	gtk_tree_store_iter_depth [Gtk]
gtk_tree_store_iter_is_valid [Gtk]	gtk_tree_store_move_after [Gtk]
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gtk_tree_view_column_get_expand [Gtk]	gtk_tree_view_column_get_fixed_width [Gtk]
gtk_tree_view_column_get_max_width [Gtk]	gtk_tree_view_column_get_min_width [Gtk]
gtk_tree_view_column_get_reorderable [Gtk]	gtk_tree_view_column_get_resizable [Gtk]
gtk_tree_view_column_get_sizing [Gtk]	gtk_tree_view_column_get_sort_column_id [Gtk]
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gtk_tree_view_column_get_spacing [Gtk]	gtk_tree_view_column_get_title [Gtk]
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gtk_tree_view_column_set_max_width [Gtk]	gtk_tree_view_column_set_min_width [Gtk]
gtk_tree_view_column_set_reorderable [Gtk]	gtk_tree_view_column_set_resizable [Gtk]
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gtk_tree_view_column_set_sort_indicator [Gtk]	gtk_tree_view_column_set_sort_order [Gtk]
gtk_tree_view_column_set_spacing [Gtk]	gtk_tree_view_column_set_title [Gtk]
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gtk_tree_view_expand_to_path [Gtk]	gtk_tree_view_get_background_area [Gtk]
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gtk_tree_view_get_column [Gtk]	gtk_tree_view_get_columns [Gtk]
gtk_tree_view_get_cursor [Gtk]	gtk_tree_view_get_dest_row_at_pos [Gtk]
gtk_tree_view_get_drag_dest_row [Gtk]	gtk_tree_view_get_enable_search [Gtk]
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gtk_tree_view_get_hadjustment [Gtk]	gtk_tree_view_get_headers_visible [Gtk]
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gtk_tree_view_get_reorderable [Gtk]	gtk_tree_view_get_row_separator_func [Gtk]
gtk_tree_view_get_rules_hint [Gtk]	gtk_tree_view_get_search_column [Gtk]
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gtk_tree_view_new_with_model [Gtk]	gtk_tree_view_remove_column [Gtk]
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gtk_tree_view_set_hadjustment [Gtk]	gtk_tree_view_set_headers_clickable [Gtk]
gtk_tree_view_set_headers_visible [Gtk]	gtk_tree_view_set_hover_expand [Gtk]
gtk_tree_view_set_hover_selection [Gtk]	gtk_tree_view_set_model [Gtk]
gtk_tree_view_set_reorderable [Gtk]	gtk_tree_view_set_row_separator_func [Gtk]
gtk_tree_view_set_rules_hint [Gtk]	gtk_tree_view_set_search_column [Gtk]
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[Gtk]	[Gtk]
gtk_ui_manager_get_accel_group [Gtk]	gtk_ui_manager_get_action [Gtk]
gtk_ui_manager_get_action_groups [Gtk]	gtk_ui_manager_get_add_tearoffs [Gtk]
gtk_ui_manager_get_toplevels [Gtk]	gtk_ui_manager_get_type [Gtk]
gtk_ui_manager_get_ui [Gtk]	gtk_ui_manager_get_widget [Gtk]
gtk_ui_manager_insert_action_group [Gtk]	gtk_ui_manager_item_type_get_type [Gtk]
gtk_ui_manager_new [Gtk]	gtk_ui_manager_new_merge_id [Gtk]
gtk_ui_manager_remove_action_group [Gtk]	gtk_ui_manager_remove_ui [Gtk]
gtk_ui_manager_set_add_tearoffs [Gtk]	gtk_update_type_get_type [Gtk]
gtk_vbox_get_type [Gtk]	gtk_vbox_new [Gtk]
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gtk_viewport_get_type [Gtk]	gtk_viewport_get_vadjustment [Gtk]
gtk_viewport_new [Gtk]	gtk_viewport_set_hadjustment [Gtk]
gtk_viewport_set_shadow_type [Gtk]	gtk_viewport_set_vadjustment [Gtk]
gtk_visibility_get_type [Gtk]	gtk_vpaned_get_type [Gtk]
gtk_vpaned_new [Gtk]	gtk_vruler_get_type [Gtk]
gtk_vruler_new [Gtk]	gtk_vscale_get_type [Gtk]
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gtk_vscrollbar_get_type [Gtk]	gtk_vscrollbar_new [Gtk]
gtk_vseparator_get_type [Gtk]	gtk_vseparator_new [Gtk]
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gtk_widget_can_activate_accel [Gtk]	gtk_widget_child_focus [Gtk]
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gtk_widget_class_list_style_properties [Gtk]	gtk_widget_class_path [Gtk]

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gtk_widget_destroy [Gtk]	gtk_widget_destroyed [Gtk]
gtk_widget_ensure_style [Gtk]	gtk_widget_event [Gtk]
gtk_widget_flags_get_type [Gtk]	gtk_widget_freeze_child_notify [Gtk]
gtk_widget_get_accessible [Gtk]	gtk_widget_get_ancestor [Gtk]
gtk_widget_get_child_requisition [Gtk]	gtk_widget_get_child_visible [Gtk]
gtk_widget_get_clipboard [Gtk]	gtk_widget_get_colormap [Gtk]
gtk_widget_get_composite_name [Gtk]	gtk_widget_get_default_colormap [Gtk]
gtk_widget_get_default_direction [Gtk]	gtk_widget_get_default_style [Gtk]
gtk_widget_get_default_visual [Gtk]	gtk_widget_get_direction [Gtk]
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gtk_widget_get_extension_events [Gtk]	gtk_widget_get_modifier_style [Gtk]
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gtk_widget_get_pango_context [Gtk]	gtk_widget_get_parent [Gtk]
gtk_widget_get_parent_window [Gtk]	gtk_widget_get_pointer [Gtk]
gtk_widget_get_root_window [Gtk]	gtk_widget_get_screen [Gtk]
gtk_widget_get_settings [Gtk]	gtk_widget_get_size_request [Gtk]
gtk_widget_get_style [Gtk]	gtk_widget_get_toplevel [Gtk]
gtk_widget_get_type [Gtk]	gtk_widget_get_visual [Gtk]
gtk_widget_grab_default [Gtk]	gtk_widget_grab_focus [Gtk]
gtk_widget_has_screen [Gtk]	gtk_widget_help_type_get_type [Gtk]
gtk_widget_hide [Gtk]	gtk_widget_hide_all [Gtk]
gtk_widget_hide_on_delete [Gtk]	gtk_widget_intersect [Gtk]
gtk_widget_is_ancestor [Gtk]	gtk_widget_is_focus [Gtk]
gtk_widget_list_accel_closures [Gtk]	gtk_widget_list_mnemonic_labels [Gtk]
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gtk_widget_set_child_visible [Gtk]	gtk_widget_set_colormap [Gtk]
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gtk_widget_set_default_direction [Gtk]	gtk_widget_set_direction [Gtk]
gtk_widget_set_double_buffered [Gtk]	gtk_widget_set_events [Gtk]
gtk_widget_set_extension_events [Gtk]	gtk_widget_set_name [Gtk]
gtk_widget_set_no_show_all [Gtk]	gtk_widget_set_parent [Gtk]
gtk_widget_set_parent_window [Gtk]	gtk_widget_set_redraw_on_allocate [Gtk]
gtk_widget_set_scroll_adjustments [Gtk]	gtk_widget_set_sensitive [Gtk]
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gtk_widget_set_style [Gtk]	gtk_widget_shape_combine_mask [Gtk]
gtk_widget_show [Gtk]	gtk_widget_show_all [Gtk]
gtk_widget_show_now [Gtk]	gtk_widget_size_allocate [Gtk]
gtk_widget_size_request [Gtk]	gtk_widget_style_get [Gtk]
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gtk_widget_unmap [Gtk]	gtk_widget_unparent [Gtk]
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gtk_window_activate_key [Gtk]	gtk_window_add_accel_group [Gtk]
gtk_window_add_embedded_xid [Gtk]	gtk_window_add_mnemonic [Gtk]
gtk_window_begin_move_drag [Gtk]	gtk_window_begin_resize_drag [Gtk]
gtk_window_deiconify [Gtk]	gtk_window_fullscreen [Gtk]
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gtk_window_get_icon [Gtk]	gtk_window_get_icon_list [Gtk]
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gtk_window_set_auto_startup_notification [Gtk]	gtk_window_set_decorated [Gtk]
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gtk_window_set_default_icon_name [Gtk]	gtk_window_set_default_size [Gtk]
gtk_window_set_destroy_with_parent [Gtk]	gtk_window_set_focus [Gtk]
gtk_window_set_focus_on_map [Gtk]	gtk_window_set_frame_dimensions [Gtk]
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gtk_window_set_has_frame [Gtk]	gtk_window_set_icon [Gtk]
gtk_window_set_icon_from_file [Gtk]	gtk_window_set_icon_list [Gtk]
gtk_window_set_icon_name [Gtk]	gtk_window_set_keep_above [Gtk]
gtk_window_set_keep_below [Gtk]	gtk_window_set_mnemonic_modifier [Gtk]
gtk_window_set_modal [Gtk]	gtk_window_set_position [Gtk]
gtk_window_set_resizable [Gtk]	gtk_window_set_role [Gtk]
gtk_window_set_screen [Gtk]	gtk_window_set_skip_pager_hint [Gtk]
gtk_window_set_skip_taskbar_hint [Gtk]	gtk_window_set_title [Gtk]
gtk_window_set_transient_for [Gtk]	gtk_window_set_type_hint [Gtk]
gtk_window_set_wmclass [Gtk]	gtk_window_stick [Gtk]
gtk_window_type_get_type [Gtk]	gtk_window_unfullscreen [Gtk]
gtk_window_unmaximize [Gtk]	gtk_window_unstick [Gtk]
gtk_wrap_mode_get_type [Gtk]	

An LSB conforming implementation shall provide the generic data interfaces for GTK main Widgets library specified in Table 12-27, with the full mandatory functionality as described in the referenced underlying specification.

Table 12-27 libgtk-x11-2.0 - GTK main Widgets library Data Interfaces

gtk_binary_age [Gtk]	gtk_debug_flags [Gtk]
gtk_interface_age [Gtk]	gtk_major_version [Gtk]
gtk_micro_version [Gtk]	gtk_minor_version [Gtk]

12.23 Data Definitions for libgtk-x11-2.0

This section defines global identifiers and their values that are associated with interfaces contained in libgtk-x11-2.0. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and application developers should use this ABI to supplement - not to replace - source interface definition specifications.

This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

12.23.1 gtk-2.0/gtk/gtk.h

```
#define GTK_NOTE(type,action)
#define GTK_OBJECT_FLOATING(obj)          \
        ((GTK_OBJECT_FLAGS (obj) & GTK_FLOATING) != 0)
#define GTK_WIDGET_APP_PAINTABLE(wid)     \
        ((GTK_WIDGET_FLAGS (wid) & GTK_APP_PAINTABLE) != 0)
#define GTK_WIDGET_CAN_DEFAULT(wid)       \
        ((GTK_WIDGET_FLAGS (wid) & GTK_CAN_DEFAULT) != 0)
#define GTK_WIDGET_CAN_FOCUS(wid)         \
        ((GTK_WIDGET_FLAGS (wid) & GTK_CAN_FOCUS) != 0)
#define GTK_WIDGET_COMPOSITE_CHILD(wid)   \
        ((GTK_WIDGET_FLAGS (wid) & GTK_COMPOSITE_CHILD) != 0)
#define GTK_WIDGET_DOUBLE_BUFFERED(wid)   \
        ((GTK_WIDGET_FLAGS (wid) & GTK_DOUBLE_BUFFERED) != 0)
#define GTK_WIDGET_HAS_DEFAULT(wid)       \
        ((GTK_WIDGET_FLAGS (wid) & GTK_HAS_DEFAULT) != 0)
#define GTK_WIDGET_HAS_FOCUS(wid)         \
        ((GTK_WIDGET_FLAGS (wid) & GTK_HAS_FOCUS) != 0)
#define GTK_WIDGET_HAS_GRAB(wid)          \
        ((GTK_WIDGET_FLAGS (wid) & GTK_HAS_GRAB) != 0)
#define GTK_WIDGET_MAPPED(wid)    \
        ((GTK_WIDGET_FLAGS (wid) & GTK_MAPPED) != 0)
#define GTK_WIDGET_NO_WINDOW(wid)         \
        ((GTK_WIDGET_FLAGS (wid) & GTK_NO_WINDOW) != 0)
#define GTK_WIDGET_PARENT_SENSITIVE(wid)          \
        ((GTK_WIDGET_FLAGS (wid) & GTK_PARENT_SENSITIVE) != 0)
#define GTK_WIDGET_RC_STYLE(wid)          \
        ((GTK_WIDGET_FLAGS (wid) & GTK_RC_STYLE) != 0)
#define GTK_WIDGET_REALIZED(wid)          \
        ((GTK_WIDGET_FLAGS (wid) & GTK_REALIZED) != 0)
#define GTK_WIDGET_RECEIVES_DEFAULT(wid)          \
        ((GTK_WIDGET_FLAGS (wid) & GTK_RECEIVES_DEFAULT) != 0)
```

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```
#define GTK_WIDGET_SENSITIVE(wid)        \
        ((GTK_WIDGET_FLAGS (wid) & GTK_SENSITIVE) != 0)
#define GTK_WIDGET_TOPLEVEL(wid)         \
        ((GTK_WIDGET_FLAGS (wid) & GTK_TOPLEVEL) != 0)
#define GTK_WIDGET_VISIBLE(wid)  \
        ((GTK_WIDGET_FLAGS (wid) & GTK_VISIBLE) != 0)
#define GTK_TYPE_CALENDAR_DISPLAY_OPTIONS        \
        (gtk_calendar_display_options_get_type())
#define GTK_TYPE_CELL_RENDERER_PIXBUF    \
        (gtk_cell_renderer_pixbuf_get_type ())
#define GTK_TYPE_CELL_RENDERER_PROGRESS  \
        (gtk_cell_renderer_progress_get_type ())
#define GTK_TYPE_CELL_RENDERER_TOGGLE    \
        (gtk_cell_renderer_toggle_get_type ())
#define GTK_ICON_VIEW(obj)       \
        (GTK_CHECK_CAST ((obj), GTK_TYPE_ICON_VIEW, GtkIconView))
#define GTK_OBJECT(object)       \
        (GTK_CHECK_CAST ((object), GTK_TYPE_OBJECT, GtkObject))
#define GTK_ICON_VIEW_CLASS(klass)       \
        (GTK_CHECK_CLASS_CAST ((klass), GTK_TYPE_ICON_VIEW, \
        GtkIconViewClass))
#define GTK_LIST_CLASS(klass)    \
        (GTK_CHECK_CLASS_CAST       ((klass),       GTK_TYPE_LIST,
GtkListClass))
#define GTK_OBJECT_CLASS(klass)  \
        (GTK_CHECK_CLASS_CAST      ((klass),      GTK_TYPE_OBJECT,
GtkObjectClass))
#define GTK_IS_ICON_VIEW_CLASS(klass)    \
        (GTK_CHECK_CLASS_TYPE ((klass), GTK_TYPE_ICON_VIEW))
#define GTK_IS_LIST_CLASS(klass)         \
        (GTK_CHECK_CLASS_TYPE ((klass), GTK_TYPE_LIST))
#define GTK_IS_OBJECT_CLASS(klass)       \
        (GTK_CHECK_CLASS_TYPE ((klass), GTK_TYPE_OBJECT))
#define GTK_ICON_VIEW_GET_CLASS(obj)     \
        (GTK_CHECK_GET_CLASS      ((obj),      GTK_TYPE_ICON_VIEW,
GtkIconViewClass))
#define GTK_LIST_GET_CLASS(obj)  \
        (GTK_CHECK_GET_CLASS        ((obj),        GTK_TYPE_LIST,
GtkListClass))
#define GTK_OBJECT_GET_CLASS(object)     \
        (GTK_CHECK_GET_CLASS      ((object),      GTK_TYPE_OBJECT,
GtkObjectClass))
#define GTK_TYPE_COLOR_SELECTION_DIALOG  \
        (gtk_color_selection_dialog_get_type ())
#define GTK_TYPE_FONT_SELECTION_DIALOG   \
        (gtk_font_selection_dialog_get_type ())
#define GTK_IS_RESIZE_CONTAINER(widget)  \
        (GTK_IS_CONTAINER (widget) && ((GtkContainer*) (widget))-
>resize_mode \
        != GTK_RESIZE_PARENT)
#define GTK_CHECK_VERSION(major,minor,micro)     \
        (GTK_MAJOR_VERSION  >  (major)  ||  (GTK_MAJOR_VERSION  ==
(major) && \
        GTK_MINOR_VERSION  >  (minor))  ||  (GTK_MAJOR_VERSION  ==
(major) && \
        GTK_MINOR_VERSION  ==  (minor)  &&  GTK_MICRO_VERSION  >=
(micro)))
#define GTK_TYPE_PROGRESS_BAR_ORIENTATION        \
        (gtk_progress_bar_orientation_get_type())
#define GTK_TYPE_SPIN_BUTTON_UPDATE_POLICY       \
        (gtk_spin_button_update_policy_get_type())
#define GTK_TYPE_TREE_VIEW_COLUMN_SIZING         \
        (gtk_tree_view_column_sizing_get_type())
#define GTK_TYPE_TREE_VIEW_DROP_POSITION         \
        (gtk_tree_view_drop_position_get_type())
#define GTK_TYPE_UI_MANAGER_ITEM_TYPE    \
```

```
        (gtk_ui_manager_item_type_get_type())
#define GTK_WIDGET_IS_SENSITIVE(wid)     \
        (GTK_WIDGET_SENSITIVE               (wid)               &&
GTK_WIDGET_PARENT_SENSITIVE (wid))
#define GTK_WIDGET_DRAWABLE(wid)         \
        (GTK_WIDGET_VISIBLE (wid) && GTK_WIDGET_MAPPED (wid))
#define GTK_ABOUT_DIALOG_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST ((klass),  GTK_TYPE_ABOUT_DIALOG,
\
        GtkAboutDialogClass))
#define GTK_ACCEL_GROUP_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_CAST  ((klass),  GTK_TYPE_ACCEL_GROUP,
\
        GtkAccelGroupClass))
#define GTK_ACCEL_LABEL_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_CAST  ((klass),  GTK_TYPE_ACCEL_LABEL,
\
        GtkAccelLabelClass))
#define GTK_ACCEL_MAP_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_ACCEL_MAP, \
        GtkAccelMapClass))
#define GTK_ACCESSIBLE_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_ACCESSIBLE, \
        GtkAccessibleClass))
#define GTK_ACTION_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST    ((klass),    GTK_TYPE_ACTION,
GtkActionClass))
#define GTK_ADJUSTMENT_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_ADJUSTMENT, \
        GtkAdjustmentClass))
#define GTK_ALIGNMENT_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_ALIGNMENT, \
        GtkAlignmentClass))
#define GTK_ARROW_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_CAST     ((klass),     GTK_TYPE_ARROW,
GtkArrowClass))
#define GTK_ASPECT_FRAME_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST ((klass),  GTK_TYPE_ASPECT_FRAME,
\
        GtkAspectFrameClass))
#define GTK_BIN_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_CAST      ((klass),      GTK_TYPE_BIN,
GtkBinClass))
#define GTK_BOX_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_CAST      ((klass),      GTK_TYPE_BOX,
GtkBoxClass))
#define GTK_BUTTON_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST    ((klass),    GTK_TYPE_BUTTON,
GtkButtonClass))
#define GTK_BUTTON_BOX_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_BUTTON_BOX, \
        GtkButtonBoxClass))
#define GTK_CALENDAR_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_CALENDAR, \
        GtkCalendarClass))
#define GTK_CELL_RENDERER_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_CELL_RENDERER, \
        GtkCellRendererClass))
#define GTK_CELL_RENDERER_COMBO_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_CELL_RENDERER_COMBO, \
        GtkCellRendererComboClass))
#define GTK_CELL_RENDERER_PIXBUF_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_CELL_RENDERER_PIXBUF, \
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        GtkCellRendererPixbufClass))
#define GTK_CELL_RENDERER_PROGRESS_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_CELL_RENDERER_PROGRESS, \
        GtkCellRendererProgressClass))
#define GTK_CELL_RENDERER_TEXT_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_CELL_RENDERER_TEXT, \
        GtkCellRendererTextClass))
#define GTK_CELL_RENDERER_TOGGLE_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_CELL_RENDERER_TOGGLE, \
        GtkCellRendererToggleClass))
#define GTK_CHECK_BUTTON_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_CHECK_BUTTON,
\
        GtkCheckButtonClass))
#define GTK_CHECK_MENU_ITEM_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_CHECK_MENU_ITEM, \
        GtkCheckMenuItemClass))
#define GTK_COLOR_BUTTON_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_COLOR_BUTTON,
\
        GtkColorButtonClass))
#define GTK_COLOR_SELECTION_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_COLOR_SELECTION, \
        GtkColorSelectionClass))
#define GTK_COLOR_SELECTION_DIALOG_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_COLOR_SELECTION_DIALOG, \
        GtkColorSelectionDialogClass))
#define GTK_CONTAINER_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_CONTAINER, \
        GtkContainerClass))
#define GTK_CURVE_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_CAST     ((klass),     GTK_TYPE_CURVE,
GtkCurveClass))
#define GTK_DIALOG_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST    ((klass),    GTK_TYPE_DIALOG,
GtkDialogClass))
#define GTK_DRAWING_AREA_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_DRAWING_AREA,
\
        GtkDrawingAreaClass))
#define GTK_ENTRY_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_CAST     ((klass),     GTK_TYPE_ENTRY,
GtkEntryClass))
#define GTK_ENTRY_COMPLETION_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_ENTRY_COMPLETION, \
        GtkEntryCompletionClass))
#define GTK_EVENT_BOX_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_EVENT_BOX, \
        GtkEventBoxClass))
#define GTK_EXPANDER_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_EXPANDER, \
        GtkExpanderClass))
#define GTK_FILE_CHOOSER_BUTTON_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_FILE_CHOOSER_BUTTON, \
        GtkFileChooserButtonClass))
#define GTK_FILE_CHOOSER_DIALOG_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_FILE_CHOOSER_DIALOG, \
```

```
        GtkFileChooserDialogClass))
#define GTK_FILE_CHOOSER_WIDGET_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_FILE_CHOOSER_WIDGET, \
        GtkFileChooserWidgetClass))
#define GTK_FILE_SELECTION_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_FILE_SELECTION, \
        GtkFileSelectionClass))
#define GTK_FIXED_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_CAST     ((klass),     GTK_TYPE_FIXED,
GtkFixedClass))
#define GTK_FONT_BUTTON_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_CAST  ((klass),  GTK_TYPE_FONT_BUTTON,
\
        GtkFontButtonClass))
#define GTK_FONT_SELECTION_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_FONT_SELECTION, \
        GtkFontSelectionClass))
#define GTK_FONT_SELECTION_DIALOG_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_FONT_SELECTION_DIALOG, \
        GtkFontSelectionDialogClass))
#define GTK_FRAME_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_CAST     ((klass),     GTK_TYPE_FRAME,
GtkFrameClass))
#define GTK_GAMMA_CURVE_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_CAST  ((klass),  GTK_TYPE_GAMMA_CURVE,
\
        GtkGammaCurveClass))
#define GTK_HANDLE_BOX_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_HANDLE_BOX, \
        GtkHandleBoxClass))
#define GTK_HBOX_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST      ((klass),     GTK_TYPE_HBOX,
GtkHBoxClass))
#define GTK_HBUTTON_BOX_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_CAST  ((klass),  GTK_TYPE_HBUTTON_BOX,
\
        GtkHButtonBoxClass))
#define GTK_HPANED_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST    ((klass),    GTK_TYPE_HPANED,
GtkHPanedClass))
#define GTK_HRULER_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST    ((klass),    GTK_TYPE_HRULER,
GtkHRulerClass))
#define GTK_HSCALE_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST    ((klass),    GTK_TYPE_HSCALE,
GtkHScaleClass))
#define GTK_HSCROLLBAR_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_HSCROLLBAR, \
        GtkHScrollbarClass))
#define GTK_HSEPARATOR_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_HSEPARATOR, \
        GtkHSeparatorClass))
#define GTK_ICON_FACTORY_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST ((klass),  GTK_TYPE_ICON_FACTORY,
\
        GtkIconFactoryClass))
#define GTK_ICON_THEME_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_ICON_THEME, \
        GtkIconThemeClass))
#define GTK_IMAGE_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_CAST     ((klass),     GTK_TYPE_IMAGE,
GtkImageClass))
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#define GTK_IMAGE_MENU_ITEM_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_IMAGE_MENU_ITEM, \
        GtkImageMenuItemClass))
#define GTK_IM_CONTEXT_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_IM_CONTEXT, \
        GtkIMContextClass))
#define GTK_IM_CONTEXT_SIMPLE_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_IM_CONTEXT_SIMPLE, \
        GtkIMContextSimpleClass))
#define GTK_IM_MULTICONTEXT_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_IM_MULTICONTEXT, \
        GtkIMMulticontextClass))
#define GTK_INPUT_DIALOG_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_INPUT_DIALOG,
\
        GtkInputDialogClass))
#define GTK_INVISIBLE_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_INVISIBLE, \
        GtkInvisibleClass))
#define GTK_ITEM_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST     ((klass),     GTK_TYPE_ITEM,
GtkItemClass))
#define GTK_LABEL_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_CAST     ((klass),     GTK_TYPE_LABEL,
GtkLabelClass))
#define GTK_LAYOUT_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST    ((klass),    GTK_TYPE_LAYOUT,
GtkLayoutClass))
#define GTK_LIST_STORE_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_LIST_STORE, \
        GtkListStoreClass))
#define GTK_MENU_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST     ((klass),     GTK_TYPE_MENU,
GtkMenuClass))
#define GTK_MENU_BAR_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_MENU_BAR, \
        GtkMenuBarClass))
#define GTK_MENU_ITEM_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_MENU_ITEM, \
        GtkMenuItemClass))
#define GTK_MENU_SHELL_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_MENU_SHELL, \
        GtkMenuShellClass))
#define GTK_MESSAGE_DIALOG_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_MESSAGE_DIALOG, \
        GtkMessageDialogClass))
#define GTK_MISC_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST     ((klass),     GTK_TYPE_MISC,
GtkMiscClass))
#define GTK_NOTEBOOK_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_NOTEBOOK, \
        GtkNotebookClass))
#define GTK_PANED_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_CAST     ((klass),     GTK_TYPE_PANED,
GtkPanedClass))
#define GTK_PLUG_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST     ((klass),     GTK_TYPE_PLUG,
GtkPlugClass))
#define GTK_PROGRESS_BAR_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_PROGRESS_BAR,
\
        GtkProgressBarClass))
```

```
#define GTK_RADIO_ACTION_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_RADIO_ACTION,
\
        GtkRadioActionClass))
#define GTK_RADIO_BUTTON_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_RADIO_BUTTON,
\
        GtkRadioButtonClass))
#define GTK_RADIO_MENU_ITEM_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_RADIO_MENU_ITEM, \
        GtkRadioMenuItemClass))
#define GTK_RADIO_TOOL_BUTTON_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_RADIO_TOOL_BUTTON, \
        GtkRadioToolButtonClass))
#define GTK_RANGE_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_CAST     ((klass),     GTK_TYPE_RANGE,
GtkRangeClass))
#define GTK_RC_STYLE_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_RC_STYLE, \
        GtkRcStyleClass))
#define GTK_RULER_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_CAST     ((klass),     GTK_TYPE_RULER,
GtkRulerClass))
#define GTK_SCALE_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_CAST     ((klass),     GTK_TYPE_SCALE,
GtkScaleClass))
#define GTK_SCROLLBAR_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_SCROLLBAR, \
        GtkScrollbarClass))
#define GTK_SCROLLED_WINDOW_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_SCROLLED_WINDOW, \
        GtkScrolledWindowClass))
#define GTK_SEPARATOR_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_SEPARATOR, \
        GtkSeparatorClass))
#define GTK_SEPARATOR_MENU_ITEM_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_SEPARATOR_MENU_ITEM, \
        GtkSeparatorMenuItemClass))
#define GTK_SEPARATOR_TOOL_ITEM_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_SEPARATOR_TOOL_ITEM, \
        GtkSeparatorToolItemClass))
#define GTK_SETTINGS_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_SETTINGS, \
        GtkSettingsClass))
#define GTK_SIZE_GROUP_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_SIZE_GROUP, \
        GtkSizeGroupClass))
#define GTK_SOCKET_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST    ((klass),    GTK_TYPE_SOCKET,
GtkSocketClass))
#define GTK_SPIN_BUTTON_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_CAST  ((klass),  GTK_TYPE_SPIN_BUTTON,
\
        GtkSpinButtonClass))
#define GTK_STATUSBAR_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_STATUSBAR, \
        GtkStatusbarClass))
#define GTK_STYLE_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_CAST     ((klass),     GTK_TYPE_STYLE,
GtkStyleClass))
#define GTK_TABLE_CLASS(klass)   \
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        (G_TYPE_CHECK_CLASS_CAST     ((klass),     GTK_TYPE_TABLE,
GtkTableClass))
#define GTK_TEAROFF_MENU_ITEM_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_TEAROFF_MENU_ITEM, \
        GtkTearoffMenuItemClass))
#define GTK_TEXT_BUFFER_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_CAST  ((klass),  GTK_TYPE_TEXT_BUFFER,
\
        GtkTextBufferClass))
#define GTK_TEXT_CHILD_ANCHOR_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_TEXT_CHILD_ANCHOR, \
        GtkTextChildAnchorClass))
#define GTK_TEXT_MARK_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_TEXT_MARK, \
        GtkTextMarkClass))
#define GTK_TEXT_TAG_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_TEXT_TAG, \
        GtkTextTagClass))
#define GTK_TEXT_TAG_TABLE_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_TEXT_TAG_TABLE, \
        GtkTextTagTableClass))
#define GTK_TEXT_VIEW_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_TEXT_VIEW, \
        GtkTextViewClass))
#define GTK_TOGGLE_ACTION_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_TOGGLE_ACTION, \
        GtkToggleActionClass))
#define GTK_TOGGLE_BUTTON_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_TOGGLE_BUTTON, \
        GtkToggleButtonClass))
#define GTK_TOGGLE_TOOL_BUTTON_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_TOGGLE_TOOL_BUTTON, \
        GtkToggleToolButtonClass))
#define GTK_TOOLBAR_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_TOOLBAR, \
        GtkToolbarClass))
#define GTK_TOOLTIPS_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_TOOLTIPS, \
        GtkTooltipsClass))
#define GTK_TOOL_BUTTON_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_CAST  ((klass),  GTK_TYPE_TOOL_BUTTON,
\
        GtkToolButtonClass))
#define GTK_TOOL_ITEM_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_TOOL_ITEM, \
        GtkToolItemClass))
#define GTK_TREE_MODEL_SORT_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_TREE_MODEL_SORT, \
        GtkTreeModelSortClass))
#define GTK_TREE_SELECTION_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_TREE_SELECTION, \
        GtkTreeSelectionClass))
#define GTK_TREE_STORE_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_TREE_STORE, \
        GtkTreeStoreClass))
#define GTK_TREE_VIEW_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_TREE_VIEW, \
        GtkTreeViewClass))
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#define GTK_TREE_VIEW_COLUMN_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_CAST                        ((klass),
GTK_TYPE_TREE_VIEW_COLUMN, \
        GtkTreeViewColumnClass))
#define GTK_UI_MANAGER_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_UI_MANAGER, \
        GtkUIManagerClass))
#define GTK_VBOX_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST     ((klass),     GTK_TYPE_VBOX,
GtkVBoxClass))
#define GTK_VBUTTON_BOX_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_CAST  ((klass),  GTK_TYPE_VBUTTON_BOX,
\
        GtkVButtonBoxClass))
#define GTK_VIEWPORT_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_VIEWPORT, \
        GtkViewportClass))
#define GTK_VPANED_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST    ((klass),    GTK_TYPE_VPANED,
GtkVPanedClass))
#define GTK_VRULER_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST    ((klass),    GTK_TYPE_VRULER,
GtkVRulerClass))
#define GTK_VSCALE_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST    ((klass),    GTK_TYPE_VSCALE,
GtkVScaleClass))
#define GTK_VSCROLLBAR_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_VSCROLLBAR, \
        GtkVScrollbarClass))
#define GTK_VSEPARATOR_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_CAST ((klass), GTK_TYPE_VSEPARATOR, \
        GtkVSeparatorClass))
#define GTK_WIDGET_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST    ((klass),    GTK_TYPE_WIDGET,
GtkWidgetClass))
#define GTK_WINDOW_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_CAST    ((klass),    GTK_TYPE_WINDOW,
GtkWindowClass))
#define GTK_WINDOW_GROUP_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_CAST ((klass),  GTK_TYPE_WINDOW_GROUP,
\
        GtkWindowGroupClass))
#define GTK_CELL_EDITABLE_CLASS(obj)     \
        (G_TYPE_CHECK_CLASS_CAST  ((obj),  GTK_TYPE_CELL_EDITABLE,
\
        GtkCellEditableIface))
#define GTK_TREE_SORTABLE_CLASS(obj)     \
        (G_TYPE_CHECK_CLASS_CAST  ((obj),  GTK_TYPE_TREE_SORTABLE,
\
        GtkTreeSortableIface))
#define GTK_ACTION_GROUP_CLASS(vtable)   \
        (G_TYPE_CHECK_CLASS_CAST                        ((vtable),
GTK_TYPE_ACTION_GROUP, \
        GtkActionGroupClass))
#define GTK_CELL_VIEW_CLASS(vtable)      \
        (G_TYPE_CHECK_CLASS_CAST ((vtable), GTK_TYPE_CELL_VIEW, \
        GtkCellViewClass))
#define GTK_COMBO_BOX_CLASS(vtable)      \
        (G_TYPE_CHECK_CLASS_CAST ((vtable), GTK_TYPE_COMBO_BOX, \
        GtkComboBoxClass))
#define GTK_COMBO_BOX_ENTRY_CLASS(vtable)        \
        (G_TYPE_CHECK_CLASS_CAST                        ((vtable),
GTK_TYPE_COMBO_BOX_ENTRY, \
        GtkComboBoxEntryClass))
#define GTK_EDITABLE_CLASS(vtable)       \
        (G_TYPE_CHECK_CLASS_CAST ((vtable), GTK_TYPE_EDITABLE, \
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        GtkEditableClass))
#define GTK_TREE_MODEL_FILTER_CLASS(vtable)      \
        (G_TYPE_CHECK_CLASS_CAST                        ((vtable),
GTK_TYPE_TREE_MODEL_FILTER, \
        GtkTreeModelFilterClass))
#define GTK_MENU_TOOL_BUTTON_CLASS(k)    \
        (G_TYPE_CHECK_CLASS_CAST((k),   GTK_TYPE_MENU_TOOL_BUTTON,
\
        GtkMenuToolButtonClass))
#define GTK_IS_MENU_TOOL_BUTTON_CLASS(k)         \
        (G_TYPE_CHECK_CLASS_TYPE                            ((k),
GTK_TYPE_MENU_TOOL_BUTTON))
#define GTK_IS_ABOUT_DIALOG_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_ABOUT_DIALOG))
#define GTK_IS_ACCEL_GROUP_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_ACCEL_GROUP))
#define GTK_IS_ACCEL_LABEL_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_ACCEL_LABEL))
#define GTK_IS_ACCEL_MAP_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_ACCEL_MAP))
#define GTK_IS_ACCESSIBLE_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_ACCESSIBLE))
#define GTK_IS_ACTION_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_ACTION))
#define GTK_IS_ADJUSTMENT_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_ADJUSTMENT))
#define GTK_IS_ALIGNMENT_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_ALIGNMENT))
#define GTK_IS_ARROW_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_ARROW))
#define GTK_IS_ASPECT_FRAME_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_ASPECT_FRAME))
#define GTK_IS_BIN_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_BIN))
#define GTK_IS_BOX_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_BOX))
#define GTK_IS_BUTTON_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_BUTTON))
#define GTK_IS_BUTTON_BOX_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_BUTTON_BOX))
#define GTK_IS_CALENDAR_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_CALENDAR))
#define GTK_IS_CELL_RENDERER_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_CELL_RENDERER))
#define GTK_IS_CELL_RENDERER_COMBO_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_CELL_RENDERER_COMBO))
#define GTK_IS_CELL_RENDERER_PIXBUF_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_CELL_RENDERER_PIXBUF))
#define GTK_IS_CELL_RENDERER_PROGRESS_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_CELL_RENDERER_PROGRESS))
#define GTK_IS_CELL_RENDERER_TEXT_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_CELL_RENDERER_TEXT))
#define GTK_IS_CELL_RENDERER_TOGGLE_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_CELL_RENDERER_TOGGLE))
#define GTK_IS_CHECK_BUTTON_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_CHECK_BUTTON))
#define GTK_IS_CHECK_MENU_ITEM_CLASS(klass)      \
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        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_CHECK_MENU_ITEM))
#define GTK_IS_COLOR_BUTTON_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_COLOR_BUTTON))
#define GTK_IS_COLOR_SELECTION_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_COLOR_SELECTION))
#define GTK_IS_COLOR_SELECTION_DIALOG_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_COLOR_SELECTION_DIALOG))
#define GTK_IS_CONTAINER_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_CONTAINER))
#define GTK_IS_CURVE_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_CURVE))
#define GTK_IS_DIALOG_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_DIALOG))
#define GTK_IS_DRAWING_AREA_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_DRAWING_AREA))
#define GTK_IS_ENTRY_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_ENTRY))
#define GTK_IS_ENTRY_COMPLETION_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_ENTRY_COMPLETION))
#define GTK_IS_EVENT_BOX_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_EVENT_BOX))
#define GTK_IS_EXPANDER_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_EXPANDER))
#define GTK_IS_FILE_CHOOSER_BUTTON_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_FILE_CHOOSER_BUTTON))
#define GTK_IS_FILE_CHOOSER_DIALOG_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_FILE_CHOOSER_DIALOG))
#define GTK_IS_FILE_CHOOSER_WIDGET_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_FILE_CHOOSER_WIDGET))
#define GTK_IS_FILE_SELECTION_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_FILE_SELECTION))
#define GTK_IS_FIXED_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_FIXED))
#define GTK_IS_FONT_BUTTON_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_FONT_BUTTON))
#define GTK_IS_FONT_SELECTION_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_FONT_SELECTION))
#define GTK_IS_FONT_SELECTION_DIALOG_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_FONT_SELECTION_DIALOG))
#define GTK_IS_FRAME_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_FRAME))
#define GTK_IS_GAMMA_CURVE_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_GAMMA_CURVE))
#define GTK_IS_HANDLE_BOX_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_HANDLE_BOX))
#define GTK_IS_HBOX_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_HBOX))
#define GTK_IS_HBUTTON_BOX_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_HBUTTON_BOX))
#define GTK_IS_HPANED_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_HPANED))
#define GTK_IS_HRULER_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_HRULER))
#define GTK_IS_HSCALE_CLASS(klass)       \
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        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_HSCALE))
#define GTK_IS_HSCROLLBAR_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_HSCROLLBAR))
#define GTK_IS_HSEPARATOR_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_HSEPARATOR))
#define GTK_IS_ICON_FACTORY_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_ICON_FACTORY))
#define GTK_IS_ICON_THEME_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_ICON_THEME))
#define GTK_IS_IMAGE_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_IMAGE))
#define GTK_IS_IMAGE_MENU_ITEM_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_IMAGE_MENU_ITEM))
#define GTK_IS_IM_CONTEXT_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_IM_CONTEXT))
#define GTK_IS_IM_CONTEXT_SIMPLE_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_IM_CONTEXT_SIMPLE))
#define GTK_IS_IM_MULTICONTEXT_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_IM_MULTICONTEXT))
#define GTK_IS_INPUT_DIALOG_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_INPUT_DIALOG))
#define GTK_IS_INVISIBLE_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_INVISIBLE))
#define GTK_IS_ITEM_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_ITEM))
#define GTK_IS_LABEL_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_LABEL))
#define GTK_IS_LAYOUT_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_LAYOUT))
#define GTK_IS_LIST_STORE_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_LIST_STORE))
#define GTK_IS_MENU_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_MENU))
#define GTK_IS_MENU_BAR_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_MENU_BAR))
#define GTK_IS_MENU_ITEM_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_MENU_ITEM))
#define GTK_IS_MENU_SHELL_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_MENU_SHELL))
#define GTK_IS_MESSAGE_DIALOG_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_MESSAGE_DIALOG))
#define GTK_IS_MISC_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_MISC))
#define GTK_IS_NOTEBOOK_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_NOTEBOOK))
#define GTK_IS_PANED_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_PANED))
#define GTK_IS_PLUG_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_PLUG))
#define GTK_IS_PROGRESS_BAR_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_PROGRESS_BAR))
#define GTK_IS_RADIO_ACTION_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_RADIO_ACTION))
#define GTK_IS_RADIO_BUTTON_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_RADIO_BUTTON))
#define GTK_IS_RADIO_MENU_ITEM_CLASS(klass)      \
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        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_RADIO_MENU_ITEM))
#define GTK_IS_RADIO_TOOL_BUTTON_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_RADIO_TOOL_BUTTON))
#define GTK_IS_RANGE_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_RANGE))
#define GTK_IS_RC_STYLE_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_RC_STYLE))
#define GTK_IS_RULER_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_RULER))
#define GTK_IS_SCALE_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_SCALE))
#define GTK_IS_SCROLLBAR_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_SCROLLBAR))
#define GTK_IS_SCROLLED_WINDOW_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_SCROLLED_WINDOW))
#define GTK_IS_SEPARATOR_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_SEPARATOR))
#define GTK_IS_SEPARATOR_MENU_ITEM_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_SEPARATOR_MENU_ITEM))
#define GTK_IS_SEPARATOR_TOOL_ITEM_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_SEPARATOR_TOOL_ITEM))
#define GTK_IS_SETTINGS_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_SETTINGS))
#define GTK_IS_SIZE_GROUP_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_SIZE_GROUP))
#define GTK_IS_SOCKET_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_SOCKET))
#define GTK_IS_SPIN_BUTTON_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_SPIN_BUTTON))
#define GTK_IS_STATUSBAR_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_STATUSBAR))
#define GTK_IS_STYLE_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_STYLE))
#define GTK_IS_TABLE_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_TABLE))
#define GTK_IS_TEAROFF_MENU_ITEM_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_TEAROFF_MENU_ITEM))
#define GTK_IS_TEXT_BUFFER_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_TEXT_BUFFER))
#define GTK_IS_TEXT_CHILD_ANCHOR_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_TEXT_CHILD_ANCHOR))
#define GTK_IS_TEXT_MARK_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_TEXT_MARK))
#define GTK_IS_TEXT_TAG_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_TEXT_TAG))
#define GTK_IS_TEXT_TAG_TABLE_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_TEXT_TAG_TABLE))
#define GTK_IS_TEXT_VIEW_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_TEXT_VIEW))
#define GTK_IS_TOGGLE_ACTION_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_TOGGLE_ACTION))
#define GTK_IS_TOGGLE_BUTTON_CLASS(klass)        \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_TOGGLE_BUTTON))
#define GTK_IS_TOGGLE_TOOL_BUTTON_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_TOGGLE_TOOL_BUTTON))
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#define GTK_IS_TOOLBAR_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_TOOLBAR))
#define GTK_IS_TOOLTIPS_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_TOOLTIPS))
#define GTK_IS_TOOL_BUTTON_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_TOOL_BUTTON))
#define GTK_IS_TOOL_ITEM_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_TOOL_ITEM))
#define GTK_IS_TREE_MODEL_SORT_CLASS(klass)      \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_TREE_MODEL_SORT))
#define GTK_IS_TREE_SELECTION_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_TREE_SELECTION))
#define GTK_IS_TREE_STORE_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_TREE_STORE))
#define GTK_IS_TREE_VIEW_CLASS(klass)    \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_TREE_VIEW))
#define GTK_IS_TREE_VIEW_COLUMN_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_TREE_VIEW_COLUMN))
#define GTK_IS_UI_MANAGER_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_UI_MANAGER))
#define GTK_IS_VBOX_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_VBOX))
#define GTK_IS_VBUTTON_BOX_CLASS(klass)  \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_VBUTTON_BOX))
#define GTK_IS_VIEWPORT_CLASS(klass)     \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_VIEWPORT))
#define GTK_IS_VPANED_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_VPANED))
#define GTK_IS_VRULER_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_VRULER))
#define GTK_IS_VSCALE_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_VSCALE))
#define GTK_IS_VSCROLLBAR_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_VSCROLLBAR))
#define GTK_IS_VSEPARATOR_CLASS(klass)   \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_VSEPARATOR))
#define GTK_IS_WIDGET_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_WIDGET))
#define GTK_IS_WINDOW_CLASS(klass)       \
        (G_TYPE_CHECK_CLASS_TYPE ((klass), GTK_TYPE_WINDOW))
#define GTK_IS_WINDOW_GROUP_CLASS(klass)         \
        (G_TYPE_CHECK_CLASS_TYPE                        ((klass),
GTK_TYPE_WINDOW_GROUP))
#define GTK_IS_ACTION_GROUP_CLASS(vtable)        \
        (G_TYPE_CHECK_CLASS_TYPE                        ((vtable),
GTK_TYPE_ACTION_GROUP))
#define GTK_IS_CELL_VIEW_CLASS(vtable)   \
        (G_TYPE_CHECK_CLASS_TYPE ((vtable), GTK_TYPE_CELL_VIEW))
#define GTK_IS_COMBO_BOX_CLASS(vtable)   \
        (G_TYPE_CHECK_CLASS_TYPE ((vtable), GTK_TYPE_COMBO_BOX))
#define GTK_IS_COMBO_BOX_ENTRY_CLASS(vtable)     \
        (G_TYPE_CHECK_CLASS_TYPE                        ((vtable),
GTK_TYPE_COMBO_BOX_ENTRY))
#define GTK_IS_EDITABLE_CLASS(vtable)    \
        (G_TYPE_CHECK_CLASS_TYPE ((vtable), GTK_TYPE_EDITABLE))
#define GTK_IS_TREE_MODEL_FILTER_CLASS(vtable)   \
        (G_TYPE_CHECK_CLASS_TYPE                        ((vtable),
GTK_TYPE_TREE_MODEL_FILTER))
#define GTK_ACCEL_MAP(accel_map)         \
        (G_TYPE_CHECK_INSTANCE_CAST                  ((accel_map),
GTK_TYPE_ACCEL_MAP, \
        GtkAccelMap))
#define GTK_MENU_TOOL_BUTTON(o)  \
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        (G_TYPE_CHECK_INSTANCE_CAST                          ((o),
GTK_TYPE_MENU_TOOL_BUTTON, \
        GtkMenuToolButton))
#define GTK_TOOL_ITEM(o)         \
        (G_TYPE_CHECK_INSTANCE_CAST   ((o),   GTK_TYPE_TOOL_ITEM,
GtkToolItem))
#define GTK_ACCEL_LABEL(obj)     \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_ACCEL_LABEL,
\
        GtkAccelLabel))
#define GTK_ACCESSIBLE(obj)      \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_ACCESSIBLE,
\
        GtkAccessible))
#define GTK_ACTION(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST   ((obj),   GTK_TYPE_ACTION,
GtkAction))
#define GTK_ACTION_GROUP(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST                          ((obj),
GTK_TYPE_ACTION_GROUP, \
        GtkActionGroup))
#define GTK_ADJUSTMENT(obj)      \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_ADJUSTMENT,
\
        GtkAdjustment))
#define GTK_ALIGNMENT(obj)       \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_ALIGNMENT, \
        GtkAlignment))
#define GTK_ARROW(obj)   \
        (G_TYPE_CHECK_INSTANCE_CAST   ((obj),   GTK_TYPE_ARROW,
GtkArrow))
#define GTK_ASPECT_FRAME(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST                          ((obj),
GTK_TYPE_ASPECT_FRAME, \
        GtkAspectFrame))
#define GTK_BIN(obj)     \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_BIN,
GtkBin))
#define GTK_BOX(obj)     \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_BOX,
GtkBox))
#define GTK_BUTTON(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST   ((obj),   GTK_TYPE_BUTTON,
GtkButton))
#define GTK_BUTTON_BOX(obj)      \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_BUTTON_BOX,
\
        GtkButtonBox))
#define GTK_CALENDAR(obj)        \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_CALENDAR,
GtkCalendar))
#define GTK_CELL_EDITABLE(obj)   \
        (G_TYPE_CHECK_INSTANCE_CAST                          ((obj),
GTK_TYPE_CELL_EDITABLE, \
        GtkCellEditable))
#define GTK_CELL_LAYOUT(obj)     \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_CELL_LAYOUT,
\
        GtkCellLayout))
#define GTK_CELL_RENDERER(obj)   \
        (G_TYPE_CHECK_INSTANCE_CAST                          ((obj),
GTK_TYPE_CELL_RENDERER, \
        GtkCellRenderer))
#define GTK_CELL_RENDERER_COMBO(obj)     \
        (G_TYPE_CHECK_INSTANCE_CAST                          ((obj),
GTK_TYPE_CELL_RENDERER_COMBO, \
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        GtkCellRendererCombo))
#define GTK_CELL_RENDERER_PIXBUF(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_CELL_RENDERER_PIXBUF, \
        GtkCellRendererPixbuf))
#define GTK_CELL_RENDERER_PROGRESS(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_CELL_RENDERER_PROGRESS, \
        GtkCellRendererProgress))
#define GTK_CELL_RENDERER_TEXT(obj)      \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_CELL_RENDERER_TEXT, \
        GtkCellRendererText))
#define GTK_CELL_RENDERER_TOGGLE(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_CELL_RENDERER_TOGGLE, \
        GtkCellRendererToggle))
#define GTK_CELL_VIEW(obj)       \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_CELL_VIEW,
GtkCellView))
#define GTK_CHECK_BUTTON(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_CHECK_BUTTON, \
        GtkCheckButton))
#define GTK_CHECK_MENU_ITEM(obj)         \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_CHECK_MENU_ITEM, \
        GtkCheckMenuItem))
#define GTK_CLIPBOARD(obj)       \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_CLIPBOARD, \
        GtkClipboard))
#define GTK_COLOR_BUTTON(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_COLOR_BUTTON, \
        GtkColorButton))
#define GTK_COLOR_SELECTION(obj)         \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_COLOR_SELECTION, \
        GtkColorSelection))
#define GTK_COLOR_SELECTION_DIALOG(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_COLOR_SELECTION_DIALOG, \
        GtkColorSelectionDialog))
#define GTK_COMBO_BOX(obj)       \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_COMBO_BOX,
GtkComboBox))
#define GTK_COMBO_BOX_ENTRY(obj)         \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_COMBO_BOX_ENTRY, \
        GtkComboBoxEntry))
#define GTK_CONTAINER(obj)       \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_CONTAINER, \
        GtkContainer))
#define GTK_CURVE(obj)   \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_CURVE,
GtkCurve))
#define GTK_DIALOG(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_DIALOG,
GtkDialog))
#define GTK_DRAWING_AREA(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_DRAWING_AREA, \
        GtkDrawingArea))
#define GTK_EDITABLE(obj)        \
        (G_TYPE_CHECK_INSTANCE_CAST   ((obj),   GTK_TYPE_EDITABLE,
GtkEditable))
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#define GTK_ENTRY(obj)   \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_ENTRY,
GtkEntry))
#define GTK_ENTRY_COMPLETION(obj)        \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_ENTRY_COMPLETION, \
        GtkEntryCompletion))
#define GTK_EVENT_BOX(obj)       \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_EVENT_BOX,
GtkEventBox))
#define GTK_EXPANDER(obj)        \
        (G_TYPE_CHECK_INSTANCE_CAST   ((obj),   GTK_TYPE_EXPANDER,
GtkExpander))
#define GTK_FILE_CHOOSER(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_FILE_CHOOSER, \
        GtkFileChooser))
#define GTK_FILE_CHOOSER_DIALOG(obj)     \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_FILE_CHOOSER_DIALOG, \
        GtkFileChooserDialog))
#define GTK_FILE_CHOOSER_WIDGET(obj)     \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_FILE_CHOOSER_WIDGET, \
        GtkFileChooserWidget))
#define GTK_FILE_FILTER(obj)     \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_FILE_FILTER,
\
        GtkFileFilter))
#define GTK_FILE_SELECTION(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_FILE_SELECTION, \
        GtkFileSelection))
#define GTK_FIXED(obj)   \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_FIXED,
GtkFixed))
#define GTK_FONT_BUTTON(obj)     \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_FONT_BUTTON,
\
        GtkFontButton))
#define GTK_FONT_SELECTION(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_FONT_SELECTION, \
        GtkFontSelection))
#define GTK_FONT_SELECTION_DIALOG(obj)   \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_FONT_SELECTION_DIALOG, \
        GtkFontSelectionDialog))
#define GTK_FRAME(obj)   \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_FRAME,
GtkFrame))
#define GTK_GAMMA_CURVE(obj)     \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_GAMMA_CURVE,
\
        GtkGammaCurve))
#define GTK_HANDLE_BOX(obj)      \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_HANDLE_BOX,
\
        GtkHandleBox))
#define GTK_HBOX(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST     ((obj),     GTK_TYPE_HBOX,
GtkHBox))
#define GTK_HBUTTON_BOX(obj)     \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_HBUTTON_BOX,
\
        GtkHButtonBox))
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#define GTK_HPANED(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_HPANED,
GtkHPaned))
#define GTK_HRULER(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_HRULER,
GtkHRuler))
#define GTK_HSCALE(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_HSCALE,
GtkHScale))
#define GTK_HSCROLLBAR(obj)      \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_HSCROLLBAR,
\
        GtkHScrollbar))
#define GTK_HSEPARATOR(obj)      \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_HSEPARATOR,
\
        GtkHSeparator))
#define GTK_ICON_THEME(obj)      \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_ICON_THEME,
\
        GtkIconTheme))
#define GTK_IMAGE(obj)   \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_IMAGE,
GtkImage))
#define GTK_IMAGE_MENU_ITEM(obj)         \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_IMAGE_MENU_ITEM, \
        GtkImageMenuItem))
#define GTK_IM_CONTEXT(obj)      \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_IM_CONTEXT,
\
        GtkIMContext))
#define GTK_IM_CONTEXT_SIMPLE(obj)       \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_IM_CONTEXT_SIMPLE, \
        GtkIMContextSimple))
#define GTK_IM_MULTICONTEXT(obj)         \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_IM_MULTICONTEXT, \
        GtkIMMulticontext))
#define GTK_INPUT_DIALOG(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_INPUT_DIALOG, \
        GtkInputDialog))
#define GTK_INVISIBLE(obj)       \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_INVISIBLE, \
        GtkInvisible))
#define GTK_ITEM(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST     ((obj),     GTK_TYPE_ITEM,
GtkItem))
#define GTK_LABEL(obj)   \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_LABEL,
GtkLabel))
#define GTK_LAYOUT(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_LAYOUT,
GtkLayout))
#define GTK_LIST_STORE(obj)      \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_LIST_STORE,
\
        GtkListStore))
#define GTK_MENU(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST     ((obj),     GTK_TYPE_MENU,
GtkMenu))
#define GTK_MENU_BAR(obj)        \
        (G_TYPE_CHECK_INSTANCE_CAST   ((obj),   GTK_TYPE_MENU_BAR,
GtkMenuBar))
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#define GTK_MENU_ITEM(obj)       \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_MENU_ITEM,
GtkMenuItem))
#define GTK_MENU_SHELL(obj)      \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_MENU_SHELL,
\
        GtkMenuShell))
#define GTK_MESSAGE_DIALOG(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_MESSAGE_DIALOG, \
        GtkMessageDialog))
#define GTK_MISC(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST     ((obj),     GTK_TYPE_MISC,
GtkMisc))
#define GTK_NOTEBOOK(obj)        \
        (G_TYPE_CHECK_INSTANCE_CAST   ((obj),   GTK_TYPE_NOTEBOOK,
GtkNotebook))
#define GTK_PANED(obj)   \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_PANED,
GtkPaned))
#define GTK_PLUG(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST     ((obj),     GTK_TYPE_PLUG,
GtkPlug))
#define GTK_PROGRESS_BAR(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_PROGRESS_BAR, \
        GtkProgressBar))
#define GTK_RADIO_ACTION(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_RADIO_ACTION, \
        GtkRadioAction))
#define GTK_RADIO_BUTTON(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_RADIO_BUTTON, \
        GtkRadioButton))
#define GTK_RADIO_MENU_ITEM(obj)         \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_RADIO_MENU_ITEM, \
        GtkRadioMenuItem))
#define GTK_RADIO_TOOL_BUTTON(obj)       \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_RADIO_TOOL_BUTTON, \
        GtkRadioToolButton))
#define GTK_RANGE(obj)   \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_RANGE,
GtkRange))
#define GTK_RULER(obj)   \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_RULER,
GtkRuler))
#define GTK_SCALE(obj)   \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_SCALE,
GtkScale))
#define GTK_SCROLLBAR(obj)       \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_SCROLLBAR, \
        GtkScrollbar))
#define GTK_SCROLLED_WINDOW(obj)         \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_SCROLLED_WINDOW, \
        GtkScrolledWindow))
#define GTK_SEPARATOR(obj)       \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_SEPARATOR, \
        GtkSeparator))
#define GTK_SEPARATOR_MENU_ITEM(obj)     \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_SEPARATOR_MENU_ITEM, \
        GtkSeparatorMenuItem))
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#define GTK_SEPARATOR_TOOL_ITEM(obj)     \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_SEPARATOR_TOOL_ITEM, \
        GtkSeparatorToolItem))
#define GTK_SETTINGS(obj)        \
        (G_TYPE_CHECK_INSTANCE_CAST   ((obj),   GTK_TYPE_SETTINGS,
GtkSettings))
#define GTK_SIZE_GROUP(obj)      \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_SIZE_GROUP,
\
        GtkSizeGroup))
#define GTK_SOCKET(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_SOCKET,
GtkSocket))
#define GTK_SPIN_BUTTON(obj)     \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_SPIN_BUTTON,
\
        GtkSpinButton))
#define GTK_STATUSBAR(obj)       \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_STATUSBAR, \
        GtkStatusbar))
#define GTK_TABLE(obj)   \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_TABLE,
GtkTable))
#define GTK_TEAROFF_MENU_ITEM(obj)       \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_TEAROFF_MENU_ITEM, \
        GtkTearoffMenuItem))
#define GTK_TEXT_BUFFER(obj)     \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_TEXT_BUFFER,
\
        GtkTextBuffer))
#define GTK_TEXT_TAG(obj)        \
        (G_TYPE_CHECK_INSTANCE_CAST   ((obj),   GTK_TYPE_TEXT_TAG,
GtkTextTag))
#define GTK_TEXT_TAG_TABLE(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_TEXT_TAG_TABLE, \
        GtkTextTagTable))
#define GTK_TEXT_VIEW(obj)       \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_TEXT_VIEW,
GtkTextView))
#define GTK_TOGGLE_ACTION(obj)   \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_TOGGLE_ACTION, \
        GtkToggleAction))
#define GTK_TOGGLE_BUTTON(obj)   \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_TOGGLE_BUTTON, \
        GtkToggleButton))
#define GTK_TOGGLE_TOOL_BUTTON(obj)      \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_TOGGLE_TOOL_BUTTON, \
        GtkToggleToolButton))
#define GTK_TOOLBAR(obj)         \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_TOOLBAR,
GtkToolbar))
#define GTK_TOOLTIPS(obj)        \
        (G_TYPE_CHECK_INSTANCE_CAST   ((obj),   GTK_TYPE_TOOLTIPS,
GtkTooltips))
#define GTK_TOOL_BUTTON(obj)     \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_TOOL_BUTTON,
\
        GtkToolButton))
#define GTK_TREE_DRAG_DEST(obj)  \
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        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_TREE_DRAG_DEST, \
        GtkTreeDragDest))
#define GTK_TREE_DRAG_SOURCE(obj)        \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_TREE_DRAG_SOURCE, \
        GtkTreeDragSource))
#define GTK_TREE_MODEL(obj)      \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_TREE_MODEL,
\
        GtkTreeModel))
#define GTK_TREE_MODEL_FILTER(obj)       \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_TREE_MODEL_FILTER, \
        GtkTreeModelFilter))
#define GTK_TREE_MODEL_SORT(obj)         \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_TREE_MODEL_SORT, \
        GtkTreeModelSort))
#define GTK_TREE_SELECTION(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_TREE_SELECTION, \
        GtkTreeSelection))
#define GTK_TREE_SORTABLE(obj)   \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_TREE_SORTABLE, \
        GtkTreeSortable))
#define GTK_TREE_STORE(obj)      \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_TREE_STORE,
\
        GtkTreeStore))
#define GTK_TREE_VIEW(obj)       \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_TREE_VIEW,
GtkTreeView))
#define GTK_TREE_VIEW_COLUMN(obj)        \
        (G_TYPE_CHECK_INSTANCE_CAST                        ((obj),
GTK_TYPE_TREE_VIEW_COLUMN, \
        GtkTreeViewColumn))
#define GTK_UI_MANAGER(obj)      \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_UI_MANAGER,
\
        GtkUIManager))
#define GTK_VBOX(obj)    \
        (G_TYPE_CHECK_INSTANCE_CAST     ((obj),     GTK_TYPE_VBOX,
GtkVBox))
#define GTK_VBUTTON_BOX(obj)     \
        (G_TYPE_CHECK_INSTANCE_CAST ((obj), GTK_TYPE_VBUTTON_BOX,
\
        GtkVButtonBox))
#define GTK_VIEWPORT(obj)        \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_VIEWPORT,
GtkViewport))
#define GTK_VPANED(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_VPANED,
GtkVPaned))
#define GTK_VRULER(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_VRULER,
GtkVRuler))
#define GTK_VSCALE(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_VSCALE,
GtkVScale))
#define GTK_VSCROLLBAR(obj)      \
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_VSCROLLBAR,
\
        GtkVScrollbar))
#define GTK_VSEPARATOR(obj)      \
```

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```
        (G_TYPE_CHECK_INSTANCE_CAST  ((obj),  GTK_TYPE_VSEPARATOR,
\
        GtkVSeparator))
#define GTK_WINDOW(obj)  \
        (G_TYPE_CHECK_INSTANCE_CAST    ((obj),    GTK_TYPE_WINDOW,
GtkWindow))
#define GTK_ABOUT_DIALOG(object)         \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
GTK_TYPE_ABOUT_DIALOG, \
        GtkAboutDialog))
#define GTK_ACCEL_GROUP(object)  \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
GTK_TYPE_ACCEL_GROUP, \
        GtkAccelGroup))
#define GTK_FILE_CHOOSER_BUTTON(object)  \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
GTK_TYPE_FILE_CHOOSER_BUTTON, \
        GtkFileChooserButton))
#define GTK_ICON_FACTORY(object)         \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
GTK_TYPE_ICON_FACTORY, \
        GtkIconFactory))
#define GTK_RC_STYLE(object)     \
        (G_TYPE_CHECK_INSTANCE_CAST ((object), GTK_TYPE_RC_STYLE,
\
        GtkRcStyle))
#define GTK_STYLE(object)        \
        (G_TYPE_CHECK_INSTANCE_CAST   ((object),   GTK_TYPE_STYLE,
GtkStyle))
#define GTK_TEXT_CHILD_ANCHOR(object)    \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
GTK_TYPE_TEXT_CHILD_ANCHOR, \
        GtkTextChildAnchor))
#define GTK_TEXT_MARK(object)    \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
GTK_TYPE_TEXT_MARK, \
        GtkTextMark))
#define GTK_WINDOW_GROUP(object)         \
        (G_TYPE_CHECK_INSTANCE_CAST                     ((object),
GTK_TYPE_WINDOW_GROUP, \
        GtkWindowGroup))
#define GTK_WIDGET(widget)       \
        (G_TYPE_CHECK_INSTANCE_CAST  ((widget),  GTK_TYPE_WIDGET,
GtkWidget))
#define GTK_IS_ACCEL_MAP(accel_map)      \
        (G_TYPE_CHECK_INSTANCE_TYPE                  ((accel_map),
GTK_TYPE_ACCEL_MAP))
#define GTK_IS_MENU_TOOL_BUTTON(o)       \
        (G_TYPE_CHECK_INSTANCE_TYPE                          ((o),
GTK_TYPE_MENU_TOOL_BUTTON))
#define GTK_IS_TOOL_ITEM(o)      \
        (G_TYPE_CHECK_INSTANCE_TYPE ((o), GTK_TYPE_TOOL_ITEM))
#define GTK_IS_ACCEL_LABEL(obj)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                       ((obj),
GTK_TYPE_ACCEL_LABEL))
#define GTK_IS_ACCESSIBLE(obj)   \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_ACCESSIBLE))
#define GTK_IS_ACTION(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_ACTION))
#define GTK_IS_ACTION_GROUP(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                       ((obj),
GTK_TYPE_ACTION_GROUP))
#define GTK_IS_ADJUSTMENT(obj)   \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_ADJUSTMENT))
#define GTK_IS_ALIGNMENT(obj)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_ALIGNMENT))
```

```
#define GTK_IS_ARROW(obj)        \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_ARROW))
#define GTK_IS_ASPECT_FRAME(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_ASPECT_FRAME))
#define GTK_IS_BUTTON(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_BUTTON))
#define GTK_IS_BUTTON_BOX(obj)   \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_BUTTON_BOX))
#define GTK_IS_CALENDAR(obj)     \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_CALENDAR))
#define GTK_IS_CELL_EDITABLE(obj)        \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_CELL_EDITABLE))
#define GTK_IS_CELL_LAYOUT(obj)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_CELL_LAYOUT))
#define GTK_IS_CELL_RENDERER(obj)        \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_CELL_RENDERER))
#define GTK_IS_CELL_RENDERER_COMBO(obj)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_CELL_RENDERER_COMBO))
#define GTK_IS_CELL_RENDERER_PIXBUF(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_CELL_RENDERER_PIXBUF))
#define GTK_IS_CELL_RENDERER_PROGRESS(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_CELL_RENDERER_PROGRESS))
#define GTK_IS_CELL_RENDERER_TEXT(obj)   \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_CELL_RENDERER_TEXT))
#define GTK_IS_CELL_RENDERER_TOGGLE(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_CELL_RENDERER_TOGGLE))
#define GTK_IS_CELL_VIEW(obj)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_CELL_VIEW))
#define GTK_IS_CHECK_BUTTON(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_CHECK_BUTTON))
#define GTK_IS_CHECK_MENU_ITEM(obj)      \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_CHECK_MENU_ITEM))
#define GTK_IS_CLIPBOARD(obj)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_CLIPBOARD))
#define GTK_IS_COLOR_BUTTON(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_COLOR_BUTTON))
#define GTK_IS_COLOR_SELECTION(obj)      \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_COLOR_SELECTION))
#define GTK_IS_COLOR_SELECTION_DIALOG(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_COLOR_SELECTION_DIALOG))
#define GTK_IS_COMBO_BOX(obj)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_COMBO_BOX))
#define GTK_IS_COMBO_BOX_ENTRY(obj)      \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_COMBO_BOX_ENTRY))
#define GTK_IS_CONTAINER(obj)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_CONTAINER))
#define GTK_IS_CURVE(obj)        \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_CURVE))
#define GTK_IS_DIALOG(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_DIALOG))
#define GTK_IS_DRAWING_AREA(obj)         \
```

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```
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_DRAWING_AREA))
#define GTK_IS_EDITABLE(obj)     \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_EDITABLE))
#define GTK_IS_ENTRY(obj)        \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_ENTRY))
#define GTK_IS_ENTRY_COMPLETION(obj)     \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_ENTRY_COMPLETION))
#define GTK_IS_EVENT_BOX(obj)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_EVENT_BOX))
#define GTK_IS_EXPANDER(obj)     \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_EXPANDER))
#define GTK_IS_FILE_CHOOSER(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_FILE_CHOOSER))
#define GTK_IS_FILE_CHOOSER_DIALOG(obj)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_FILE_CHOOSER_DIALOG))
#define GTK_IS_FILE_CHOOSER_WIDGET(obj)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_FILE_CHOOSER_WIDGET))
#define GTK_IS_FILE_FILTER(obj)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_FILE_FILTER))
#define GTK_IS_FILE_SELECTION(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_FILE_SELECTION))
#define GTK_IS_FIXED(obj)        \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_FIXED))
#define GTK_IS_FONT_BUTTON(obj)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_FONT_BUTTON))
#define GTK_IS_FONT_SELECTION(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_FONT_SELECTION))
#define GTK_IS_FONT_SELECTION_DIALOG(obj)        \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_FONT_SELECTION_DIALOG))
#define GTK_IS_FRAME(obj)        \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_FRAME))
#define GTK_IS_GAMMA_CURVE(obj)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_GAMMA_CURVE))
#define GTK_IS_HANDLE_BOX(obj)   \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_HANDLE_BOX))
#define GTK_IS_HBOX(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_HBOX))
#define GTK_IS_HBUTTON_BOX(obj)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_HBUTTON_BOX))
#define GTK_IS_HPANED(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_HPANED))
#define GTK_IS_HRULER(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_HRULER))
#define GTK_IS_HSCALE(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_HSCALE))
#define GTK_IS_HSCROLLBAR(obj)   \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_HSCROLLBAR))
#define GTK_IS_HSEPARATOR(obj)   \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_HSEPARATOR))
#define GTK_IS_ICON_THEME(obj)   \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_ICON_THEME))
#define GTK_IS_IMAGE(obj)        \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_IMAGE))
#define GTK_IS_IMAGE_MENU_ITEM(obj)      \
```

```
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_IMAGE_MENU_ITEM))
#define GTK_IS_IM_CONTEXT(obj)   \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_IM_CONTEXT))
#define GTK_IS_IM_CONTEXT_SIMPLE(obj)    \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_IM_CONTEXT_SIMPLE))
#define GTK_IS_IM_MULTICONTEXT(obj)      \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_IM_MULTICONTEXT))
#define GTK_IS_INPUT_DIALOG(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_INPUT_DIALOG))
#define GTK_IS_INVISIBLE(obj)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_INVISIBLE))
#define GTK_IS_ITEM(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_ITEM))
#define GTK_IS_LABEL(obj)        \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_LABEL))
#define GTK_IS_LAYOUT(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_LAYOUT))
#define GTK_IS_LIST_STORE(obj)   \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_LIST_STORE))
#define GTK_IS_MENU(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_MENU))
#define GTK_IS_MENU_BAR(obj)     \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_MENU_BAR))
#define GTK_IS_MENU_ITEM(obj)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_MENU_ITEM))
#define GTK_IS_MENU_SHELL(obj)   \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_MENU_SHELL))
#define GTK_IS_MESSAGE_DIALOG(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_MESSAGE_DIALOG))
#define GTK_IS_MISC(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_MISC))
#define GTK_IS_NOTEBOOK(obj)     \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_NOTEBOOK))
#define GTK_IS_PANED(obj)        \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_PANED))
#define GTK_IS_PLUG(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_PLUG))
#define GTK_IS_PROGRESS_BAR(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_PROGRESS_BAR))
#define GTK_IS_RADIO_ACTION(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_RADIO_ACTION))
#define GTK_IS_RADIO_BUTTON(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_RADIO_BUTTON))
#define GTK_IS_RADIO_MENU_ITEM(obj)      \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_RADIO_MENU_ITEM))
#define GTK_IS_RADIO_TOOL_BUTTON(obj)    \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_RADIO_TOOL_BUTTON))
#define GTK_IS_RANGE(obj)        \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_RANGE))
#define GTK_IS_RULER(obj)        \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_RULER))
#define GTK_IS_SCALE(obj)        \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_SCALE))
#define GTK_IS_SCROLLBAR(obj)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_SCROLLBAR))
#define GTK_IS_SCROLLED_WINDOW(obj)      \
```

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```
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_SCROLLED_WINDOW))
#define GTK_IS_SEPARATOR(obj)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_SEPARATOR))
#define GTK_IS_SEPARATOR_MENU_ITEM(obj)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_SEPARATOR_MENU_ITEM))
#define GTK_IS_SEPARATOR_TOOL_ITEM(obj)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_SEPARATOR_TOOL_ITEM))
#define GTK_IS_SETTINGS(obj)     \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_SETTINGS))
#define GTK_IS_SIZE_GROUP(obj)   \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_SIZE_GROUP))
#define GTK_IS_SOCKET(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_SOCKET))
#define GTK_IS_SPIN_BUTTON(obj)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_SPIN_BUTTON))
#define GTK_IS_STATUSBAR(obj)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_STATUSBAR))
#define GTK_IS_TABLE(obj)        \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_TABLE))
#define GTK_IS_TEAROFF_MENU_ITEM(obj)    \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_TEAROFF_MENU_ITEM))
#define GTK_IS_TEXT_BUFFER(obj)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_TEXT_BUFFER))
#define GTK_IS_TEXT_TAG(obj)     \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_TEXT_TAG))
#define GTK_IS_TEXT_TAG_TABLE(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_TEXT_TAG_TABLE))
#define GTK_IS_TEXT_VIEW(obj)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_TEXT_VIEW))
#define GTK_IS_TOGGLE_ACTION(obj)        \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_TOGGLE_ACTION))
#define GTK_IS_TOGGLE_BUTTON(obj)        \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_TOGGLE_BUTTON))
#define GTK_IS_TOGGLE_TOOL_BUTTON(obj)   \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_TOGGLE_TOOL_BUTTON))
#define GTK_IS_TOOLBAR(obj)      \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_TOOLBAR))
#define GTK_IS_TOOLTIPS(obj)     \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_TOOLTIPS))
#define GTK_IS_TOOL_BUTTON(obj)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_TOOL_BUTTON))
#define GTK_IS_TREE_DRAG_DEST(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_TREE_DRAG_DEST))
#define GTK_IS_TREE_DRAG_SOURCE(obj)     \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_TREE_DRAG_SOURCE))
#define GTK_IS_TREE_MODEL(obj)   \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_TREE_MODEL))
#define GTK_IS_TREE_MODEL_FILTER(obj)    \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_TREE_MODEL_FILTER))
#define GTK_IS_TREE_MODEL_SORT(obj)      \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_TREE_MODEL_SORT))
```

```
#define GTK_IS_TREE_SELECTION(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_TREE_SELECTION))
#define GTK_IS_TREE_SORTABLE(obj)        \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_TREE_SORTABLE))
#define GTK_IS_TREE_STORE(obj)   \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_TREE_STORE))
#define GTK_IS_TREE_VIEW(obj)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_TREE_VIEW))
#define GTK_IS_TREE_VIEW_COLUMN(obj)     \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_TREE_VIEW_COLUMN))
#define GTK_IS_UI_MANAGER(obj)   \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_UI_MANAGER))
#define GTK_IS_VBOX(obj)         \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_VBOX))
#define GTK_IS_VBUTTON_BOX(obj)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                        ((obj),
GTK_TYPE_VBUTTON_BOX))
#define GTK_IS_VIEWPORT(obj)     \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_VIEWPORT))
#define GTK_IS_VPANED(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_VPANED))
#define GTK_IS_VRULER(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_VRULER))
#define GTK_IS_VSCALE(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_VSCALE))
#define GTK_IS_VSCROLLBAR(obj)   \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_VSCROLLBAR))
#define GTK_IS_VSEPARATOR(obj)   \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_VSEPARATOR))
#define GTK_IS_WINDOW(obj)       \
        (G_TYPE_CHECK_INSTANCE_TYPE ((obj), GTK_TYPE_WINDOW))
#define GTK_IS_ABOUT_DIALOG(object)      \
        (G_TYPE_CHECK_INSTANCE_TYPE                    ((object),
GTK_TYPE_ABOUT_DIALOG))
#define GTK_IS_ACCEL_GROUP(object)       \
        (G_TYPE_CHECK_INSTANCE_TYPE                    ((object),
GTK_TYPE_ACCEL_GROUP))
#define GTK_IS_FILE_CHOOSER_BUTTON(object)       \
        (G_TYPE_CHECK_INSTANCE_TYPE                    ((object),
GTK_TYPE_FILE_CHOOSER_BUTTON))
#define GTK_IS_ICON_FACTORY(object)      \
        (G_TYPE_CHECK_INSTANCE_TYPE                    ((object),
GTK_TYPE_ICON_FACTORY))
#define GTK_IS_RC_STYLE(object)  \
        (G_TYPE_CHECK_INSTANCE_TYPE                    ((object),
GTK_TYPE_RC_STYLE))
#define GTK_IS_STYLE(object)     \
        (G_TYPE_CHECK_INSTANCE_TYPE ((object), GTK_TYPE_STYLE))
#define GTK_IS_TEXT_CHILD_ANCHOR(object)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                    ((object),
GTK_TYPE_TEXT_CHILD_ANCHOR))
#define GTK_IS_TEXT_MARK(object)         \
        (G_TYPE_CHECK_INSTANCE_TYPE                    ((object),
GTK_TYPE_TEXT_MARK))
#define GTK_IS_WINDOW_GROUP(object)      \
        (G_TYPE_CHECK_INSTANCE_TYPE                    ((object),
GTK_TYPE_WINDOW_GROUP))
#define GTK_IS_WIDGET(widget)    \
        (G_TYPE_CHECK_INSTANCE_TYPE ((widget), GTK_TYPE_WIDGET))
#define GTK_ACTION_GROUP_GET_CLASS(inst)         \
        (G_TYPE_INSTANCE_GET_CLASS                      ((inst),
GTK_TYPE_ACTION_GROUP, \
        GtkActionGroupClass))
```

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#define GTK_CELL_VIEW_GET_CLASS(inst)    \
        (G_TYPE_INSTANCE_GET_CLASS ((inst), GTK_TYPE_CELL_VIEW, \
        GtkCellViewClass))
#define GTK_COMBO_BOX_GET_CLASS(inst)    \
        (G_TYPE_INSTANCE_GET_CLASS ((inst), GTK_TYPE_COMBO_BOX, \
        GtkComboBoxClass))
#define GTK_COMBO_BOX_ENTRY_GET_CLASS(inst)      \
        (G_TYPE_INSTANCE_GET_CLASS                       ((inst),
GTK_TYPE_COMBO_BOX_ENTRY, \
        GtkComboBoxEntryClass))
#define GTK_MENU_TOOL_BUTTON_GET_CLASS(o)        \
        (G_TYPE_INSTANCE_GET_CLASS                          ((o),
GTK_TYPE_MENU_TOOL_BUTTON, \
        GtkMenuToolButtonClass))
#define GTK_ABOUT_DIALOG_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_ABOUT_DIALOG,
\
        GtkAboutDialogClass))
#define GTK_ACCEL_GROUP_GET_CLASS(obj)   \
        (G_TYPE_INSTANCE_GET_CLASS  ((obj),  GTK_TYPE_ACCEL_GROUP,
\
        GtkAccelGroupClass))
#define GTK_ACCEL_LABEL_GET_CLASS(obj)   \
        (G_TYPE_INSTANCE_GET_CLASS  ((obj),  GTK_TYPE_ACCEL_LABEL,
\
        GtkAccelLabelClass))
#define GTK_ACCEL_MAP_GET_CLASS(obj)     \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_ACCEL_MAP, \
        GtkAccelMapClass))
#define GTK_ACCESSIBLE_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_ACCESSIBLE, \
        GtkAccessibleClass))
#define GTK_ADJUSTMENT_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_ADJUSTMENT, \
        GtkAdjustmentClass))
#define GTK_ALIGNMENT_GET_CLASS(obj)     \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_ALIGNMENT, \
        GtkAlignmentClass))
#define GTK_ARROW_GET_CLASS(obj)         \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GTK_TYPE_ARROW,
GtkArrowClass))
#define GTK_ASPECT_FRAME_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_ASPECT_FRAME,
\
        GtkAspectFrameClass))
#define GTK_BIN_GET_CLASS(obj)   \
        (G_TYPE_INSTANCE_GET_CLASS      ((obj),      GTK_TYPE_BIN,
GtkBinClass))
#define GTK_BOX_GET_CLASS(obj)   \
        (G_TYPE_INSTANCE_GET_CLASS      ((obj),      GTK_TYPE_BOX,
GtkBoxClass))
#define GTK_BUTTON_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS    ((obj),    GTK_TYPE_BUTTON,
GtkButtonClass))
#define GTK_BUTTON_BOX_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_BUTTON_BOX, \
        GtkButtonBoxClass))
#define GTK_CALENDAR_GET_CLASS(obj)      \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_CALENDAR, \
        GtkCalendarClass))
#define GTK_CELL_RENDERER_GET_CLASS(obj)         \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_CELL_RENDERER, \
        GtkCellRendererClass))
#define GTK_CELL_RENDERER_COMBO_GET_CLASS(obj)   \
```

```
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_CELL_RENDERER_COMBO, \
        GtkCellRendererTextClass))
#define GTK_CELL_RENDERER_PIXBUF_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_CELL_RENDERER_PIXBUF, \
        GtkCellRendererPixbufClass))
#define GTK_CELL_RENDERER_PROGRESS_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_CELL_RENDERER_PROGRESS, \
        GtkCellRendererProgressClass))
#define GTK_CELL_RENDERER_TEXT_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_CELL_RENDERER_TEXT, \
        GtkCellRendererTextClass))
#define GTK_CELL_RENDERER_TOGGLE_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_CELL_RENDERER_TOGGLE, \
        GtkCellRendererToggleClass))
#define GTK_CHECK_BUTTON_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_CHECK_BUTTON,
\
        GtkCheckButtonClass))
#define GTK_CHECK_MENU_ITEM_GET_CLASS(obj)       \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_CHECK_MENU_ITEM, \
        GtkCheckMenuItemClass))
#define GTK_COLOR_BUTTON_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_COLOR_BUTTON,
\
        GtkColorButtonClass))
#define GTK_COLOR_SELECTION_GET_CLASS(obj)       \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_COLOR_SELECTION, \
        GtkColorSelectionClass))
#define GTK_COLOR_SELECTION_DIALOG_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_COLOR_SELECTION_DIALOG, \
        GtkColorSelectionDialogClass))
#define GTK_CONTAINER_GET_CLASS(obj)     \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_CONTAINER, \
        GtkContainerClass))
#define GTK_CURVE_GET_CLASS(obj)         \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GTK_TYPE_CURVE,
GtkCurveClass))
#define GTK_DIALOG_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS    ((obj),    GTK_TYPE_DIALOG,
GtkDialogClass))
#define GTK_DRAWING_AREA_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_DRAWING_AREA,
\
        GtkDrawingAreaClass))
#define GTK_ENTRY_GET_CLASS(obj)         \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GTK_TYPE_ENTRY,
GtkEntryClass))
#define GTK_ENTRY_COMPLETION_GET_CLASS(obj)      \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_ENTRY_COMPLETION, \
        GtkEntryCompletionClass))
#define GTK_EVENT_BOX_GET_CLASS(obj)     \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_EVENT_BOX, \
        GtkEventBoxClass))
#define GTK_EXPANDER_GET_CLASS(obj)      \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_EXPANDER, \
        GtkExpanderClass))
#define GTK_FILE_CHOOSER_DIALOG_GET_CLASS(obj)   \
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        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_FILE_CHOOSER_DIALOG, \
        GtkFileChooserDialogClass))
#define GTK_FILE_CHOOSER_WIDGET_GET_CLASS(obj)   \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_FILE_CHOOSER_WIDGET, \
        GtkFileChooserWidgetClass))
#define GTK_FILE_SELECTION_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_FILE_SELECTION, \
        GtkFileSelectionClass))
#define GTK_FIXED_GET_CLASS(obj)         \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GTK_TYPE_FIXED,
GtkFixedClass))
#define GTK_FONT_BUTTON_GET_CLASS(obj)   \
        (G_TYPE_INSTANCE_GET_CLASS  ((obj),  GTK_TYPE_FONT_BUTTON,
\
        GtkFontButtonClass))
#define GTK_FONT_SELECTION_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_FONT_SELECTION, \
        GtkFontSelectionClass))
#define GTK_FONT_SELECTION_DIALOG_GET_CLASS(obj)         \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_FONT_SELECTION_DIALOG, \
        GtkFontSelectionDialogClass))
#define GTK_FRAME_GET_CLASS(obj)         \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GTK_TYPE_FRAME,
GtkFrameClass))
#define GTK_GAMMA_CURVE_GET_CLASS(obj)   \
        (G_TYPE_INSTANCE_GET_CLASS  ((obj),  GTK_TYPE_GAMMA_CURVE,
\
        GtkGammaCurveClass))
#define GTK_HANDLE_BOX_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_HANDLE_BOX, \
        GtkHandleBoxClass))
#define GTK_HBOX_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GTK_TYPE_HBOX,
GtkHBoxClass))
#define GTK_HBUTTON_BOX_GET_CLASS(obj)   \
        (G_TYPE_INSTANCE_GET_CLASS  ((obj),  GTK_TYPE_HBUTTON_BOX,
\
        GtkHButtonBoxClass))
#define GTK_HPANED_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS    ((obj),    GTK_TYPE_HPANED,
GtkHPanedClass))
#define GTK_HRULER_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS    ((obj),    GTK_TYPE_HRULER,
GtkHRulerClass))
#define GTK_HSCALE_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS    ((obj),    GTK_TYPE_HSCALE,
GtkHScaleClass))
#define GTK_HSCROLLBAR_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_HSCROLLBAR, \
        GtkHScrollbarClass))
#define GTK_HSEPARATOR_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_HSEPARATOR, \
        GtkHSeparatorClass))
#define GTK_ICON_FACTORY_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_ICON_FACTORY,
\
        GtkIconFactoryClass))
#define GTK_ICON_THEME_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_ICON_THEME, \
        GtkIconThemeClass))
#define GTK_IMAGE_GET_CLASS(obj)         \
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        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GTK_TYPE_IMAGE,
GtkImageClass))
#define GTK_IMAGE_MENU_ITEM_GET_CLASS(obj)       \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_IMAGE_MENU_ITEM, \
        GtkImageMenuItemClass))
#define GTK_IM_CONTEXT_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_IM_CONTEXT, \
        GtkIMContextClass))
#define GTK_IM_CONTEXT_SIMPLE_GET_CLASS(obj)     \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_IM_CONTEXT_SIMPLE, \
        GtkIMContextSimpleClass))
#define GTK_IM_MULTICONTEXT_GET_CLASS(obj)       \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_IM_MULTICONTEXT, \
        GtkIMMulticontextClass))
#define GTK_INPUT_DIALOG_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS  ((obj),  GTK_TYPE_INPUT_DIALOG,
\
        GtkInputDialogClass))
#define GTK_INVISIBLE_GET_CLASS(obj)     \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_INVISIBLE, \
        GtkInvisibleClass))
#define GTK_ITEM_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GTK_TYPE_ITEM,
GtkItemClass))
#define GTK_LABEL_GET_CLASS(obj)         \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GTK_TYPE_LABEL,
GtkLabelClass))
#define GTK_LAYOUT_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS    ((obj),    GTK_TYPE_LAYOUT,
GtkLayoutClass))
#define GTK_LIST_STORE_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_LIST_STORE, \
        GtkListStoreClass))
#define GTK_MENU_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GTK_TYPE_MENU,
GtkMenuClass))
#define GTK_MENU_BAR_GET_CLASS(obj)      \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_MENU_BAR, \
        GtkMenuBarClass))
#define GTK_MENU_ITEM_GET_CLASS(obj)     \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_MENU_ITEM, \
        GtkMenuItemClass))
#define GTK_MENU_SHELL_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_MENU_SHELL, \
        GtkMenuShellClass))
#define GTK_MESSAGE_DIALOG_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_MESSAGE_DIALOG, \
        GtkMessageDialogClass))
#define GTK_MISC_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GTK_TYPE_MISC,
GtkMiscClass))
#define GTK_NOTEBOOK_GET_CLASS(obj)      \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_NOTEBOOK, \
        GtkNotebookClass))
#define GTK_PANED_GET_CLASS(obj)         \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GTK_TYPE_PANED,
GtkPanedClass))
#define GTK_PLUG_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GTK_TYPE_PLUG,
GtkPlugClass))
#define GTK_PROGRESS_BAR_GET_CLASS(obj)  \
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        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_PROGRESS_BAR,
\
        GtkProgressBarClass))
#define GTK_RADIO_BUTTON_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_RADIO_BUTTON,
\
        GtkRadioButtonClass))
#define GTK_RADIO_MENU_ITEM_GET_CLASS(obj)       \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_RADIO_MENU_ITEM, \
        GtkRadioMenuItemClass))
#define GTK_RANGE_GET_CLASS(obj)         \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GTK_TYPE_RANGE,
GtkRangeClass))
#define GTK_RC_STYLE_GET_CLASS(obj)      \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_RC_STYLE, \
        GtkRcStyleClass))
#define GTK_RULER_GET_CLASS(obj)         \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GTK_TYPE_RULER,
GtkRulerClass))
#define GTK_SCALE_GET_CLASS(obj)         \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GTK_TYPE_SCALE,
GtkScaleClass))
#define GTK_SCROLLBAR_GET_CLASS(obj)     \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_SCROLLBAR, \
        GtkScrollbarClass))
#define GTK_SCROLLED_WINDOW_GET_CLASS(obj)       \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_SCROLLED_WINDOW, \
        GtkScrolledWindowClass))
#define GTK_SEPARATOR_GET_CLASS(obj)     \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_SEPARATOR, \
        GtkSeparatorClass))
#define GTK_SEPARATOR_MENU_ITEM_GET_CLASS(obj)   \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_SEPARATOR_MENU_ITEM, \
        GtkSeparatorMenuItemClass))
#define GTK_SETTINGS_GET_CLASS(obj)      \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_SETTINGS, \
        GtkSettingsClass))
#define GTK_SIZE_GROUP_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_SIZE_GROUP, \
        GtkSizeGroupClass))
#define GTK_SOCKET_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS    ((obj),    GTK_TYPE_SOCKET,
GtkSocketClass))
#define GTK_SPIN_BUTTON_GET_CLASS(obj)   \
        (G_TYPE_INSTANCE_GET_CLASS  ((obj),  GTK_TYPE_SPIN_BUTTON,
\
        GtkSpinButtonClass))
#define GTK_STATUSBAR_GET_CLASS(obj)     \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_STATUSBAR, \
        GtkStatusbarClass))
#define GTK_STYLE_GET_CLASS(obj)         \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GTK_TYPE_STYLE,
GtkStyleClass))
#define GTK_TABLE_GET_CLASS(obj)         \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GTK_TYPE_TABLE,
GtkTableClass))
#define GTK_TEAROFF_MENU_ITEM_GET_CLASS(obj)     \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_TEAROFF_MENU_ITEM, \
        GtkTearoffMenuItemClass))
#define GTK_TEXT_BUFFER_GET_CLASS(obj)   \
        (G_TYPE_INSTANCE_GET_CLASS  ((obj),  GTK_TYPE_TEXT_BUFFER,
\
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        GtkTextBufferClass))
#define GTK_TEXT_CHILD_ANCHOR_GET_CLASS(obj)     \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_TEXT_CHILD_ANCHOR, \
        GtkTextChildAnchorClass))
#define GTK_TEXT_MARK_GET_CLASS(obj)     \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_TEXT_MARK, \
        GtkTextMarkClass))
#define GTK_TEXT_TAG_GET_CLASS(obj)      \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_TEXT_TAG, \
        GtkTextTagClass))
#define GTK_TEXT_TAG_TABLE_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_TEXT_TAG_TABLE, \
        GtkTextTagTableClass))
#define GTK_TEXT_VIEW_GET_CLASS(obj)     \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_TEXT_VIEW, \
        GtkTextViewClass))
#define GTK_TOGGLE_BUTTON_GET_CLASS(obj)         \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_TOGGLE_BUTTON, \
        GtkToggleButtonClass))
#define GTK_TOOLBAR_GET_CLASS(obj)       \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_TOOLBAR, \
        GtkToolbarClass))
#define GTK_TOOLTIPS_GET_CLASS(obj)      \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_TOOLTIPS, \
        GtkTooltipsClass))
#define GTK_TREE_MODEL_FILTER_GET_CLASS(inst)    \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_TREE_MODEL_FILTER, \
        GtkTreeModelFilterClass))
#define GTK_TREE_MODEL_SORT_GET_CLASS(obj)       \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_TREE_MODEL_SORT, \
        GtkTreeModelSortClass))
#define GTK_TREE_SELECTION_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_TREE_SELECTION, \
        GtkTreeSelectionClass))
#define GTK_TREE_STORE_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_TREE_STORE, \
        GtkTreeStoreClass))
#define GTK_TREE_VIEW_GET_CLASS(obj)     \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_TREE_VIEW, \
        GtkTreeViewClass))
#define GTK_TREE_VIEW_COLUMN_GET_CLASS(obj)      \
        (G_TYPE_INSTANCE_GET_CLASS                        ((obj),
GTK_TYPE_TREE_VIEW_COLUMN, \
        GtkTreeViewColumnClass))
#define GTK_VBOX_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS     ((obj),     GTK_TYPE_VBOX,
GtkVBoxClass))
#define GTK_VBUTTON_BOX_GET_CLASS(obj)   \
        (G_TYPE_INSTANCE_GET_CLASS  ((obj),  GTK_TYPE_VBUTTON_BOX,
\
        GtkVButtonBoxClass))
#define GTK_VIEWPORT_GET_CLASS(obj)      \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_VIEWPORT, \
        GtkViewportClass))
#define GTK_VPANED_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS    ((obj),    GTK_TYPE_VPANED,
GtkVPanedClass))
#define GTK_VRULER_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS    ((obj),    GTK_TYPE_VRULER,
GtkVRulerClass))
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#define GTK_VSCALE_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS    ((obj),    GTK_TYPE_VSCALE,
GtkVScaleClass))
#define GTK_VSCROLLBAR_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_VSCROLLBAR, \
        GtkVScrollbarClass))
#define GTK_VSEPARATOR_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_VSEPARATOR, \
        GtkVSeparatorClass))
#define GTK_WIDGET_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS    ((obj),    GTK_TYPE_WIDGET,
GtkWidgetClass))
#define GTK_WINDOW_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS    ((obj),    GTK_TYPE_WINDOW,
GtkWindowClass))
#define GTK_WINDOW_GROUP_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS ((obj), GTK_TYPE_WINDOW_GROUP,
\
        GtkWindowGroupClass))
#define GTK_FILE_CHOOSER_BUTTON_GET_CLASS(object)        \
        (G_TYPE_INSTANCE_GET_CLASS                      ((object),
GTK_TYPE_FILE_CHOOSER_BUTTON, \
        GtkFileChooserButtonClass))
#define GTK_TOOL_ITEM_GET_CLASS(o)       \
        (G_TYPE_INSTANCE_GET_CLASS((o), GTK_TYPE_TOOL_ITEM, \
        GtkToolItemClass))
#define GTK_ACTION_GET_CLASS(obj)        \
        (G_TYPE_INSTANCE_GET_CLASS((obj),         GTK_TYPE_ACTION,
GtkActionClass))
#define GTK_RADIO_ACTION_GET_CLASS(obj)  \
        (G_TYPE_INSTANCE_GET_CLASS((obj),   GTK_TYPE_RADIO_ACTION,
\
        GtkRadioActionClass))
#define GTK_RADIO_TOOL_BUTTON_GET_CLASS(obj)     \
        (G_TYPE_INSTANCE_GET_CLASS((obj),
GTK_TYPE_RADIO_TOOL_BUTTON, \
        GtkRadioToolButtonClass))
#define GTK_SEPARATOR_TOOL_ITEM_GET_CLASS(obj)   \
        (G_TYPE_INSTANCE_GET_CLASS((obj),
GTK_TYPE_SEPARATOR_TOOL_ITEM, \
        GtkSeparatorToolItemClass))
#define GTK_TOGGLE_ACTION_GET_CLASS(obj)         \
        (G_TYPE_INSTANCE_GET_CLASS((obj),  GTK_TYPE_TOGGLE_ACTION,
\
        GtkToggleActionClass))
#define GTK_TOGGLE_TOOL_BUTTON_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS((obj),
GTK_TYPE_TOGGLE_TOOL_BUTTON, \
        GtkToggleToolButtonClass))
#define GTK_TOOL_BUTTON_GET_CLASS(obj)   \
        (G_TYPE_INSTANCE_GET_CLASS((obj), GTK_TYPE_TOOL_BUTTON, \
        GtkToolButtonClass))
#define GTK_UI_MANAGER_GET_CLASS(obj)    \
        (G_TYPE_INSTANCE_GET_CLASS((obj), GTK_TYPE_UI_MANAGER, \
        GtkUIManagerClass))
#define GTK_EDITABLE_GET_CLASS(inst)     \
        (G_TYPE_INSTANCE_GET_INTERFACE                   ((inst),
GTK_TYPE_EDITABLE, \
        GtkEditableClass))
#define GTK_CELL_EDITABLE_GET_IFACE(obj)         \
        (G_TYPE_INSTANCE_GET_INTERFACE                    ((obj),
GTK_TYPE_CELL_EDITABLE, \
        GtkCellEditableIface))
#define GTK_CELL_LAYOUT_GET_IFACE(obj)   \
        (G_TYPE_INSTANCE_GET_INTERFACE                    ((obj),
GTK_TYPE_CELL_LAYOUT, \
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        GtkCellLayoutIface))
#define GTK_TREE_DRAG_DEST_GET_IFACE(obj)        \
        (G_TYPE_INSTANCE_GET_INTERFACE                    ((obj),
GTK_TYPE_TREE_DRAG_DEST, \
        GtkTreeDragDestIface))
#define GTK_TREE_DRAG_SOURCE_GET_IFACE(obj)      \
        (G_TYPE_INSTANCE_GET_INTERFACE                    ((obj),
GTK_TYPE_TREE_DRAG_SOURCE, \
        GtkTreeDragSourceIface))
#define GTK_TREE_MODEL_GET_IFACE(obj)    \
        (G_TYPE_INSTANCE_GET_INTERFACE                    ((obj),
GTK_TYPE_TREE_MODEL, \
        GtkTreeModelIface))
#define GTK_TREE_SORTABLE_GET_IFACE(obj)         \
        (G_TYPE_INSTANCE_GET_INTERFACE                    ((obj),
GTK_TYPE_TREE_SORTABLE, \
        GtkTreeSortableIface))
#define GTK_OBJECT_TYPE_NAME(object)     \
        (g_type_name (GTK_OBJECT_TYPE (object)))
#define
GTK_CONTAINER_WARN_INVALID_CHILD_PROPERTY_ID(object,property_id,p
spec)   \
        G_OBJECT_WARN_INVALID_PSPEC  ((object),  "child  property
id", \
        (property_id), (pspec))
#define GTK_OBJECT_UNSET_FLAGS(obj,flag)         \
        G_STMT_START{   (GTK_OBJECT_FLAGS   (obj)   &=   ~(flag));
}G_STMT_END
#define GTK_OBJECT_SET_FLAGS(obj,flag)   \
        G_STMT_START{   (GTK_OBJECT_FLAGS   (obj)   |=   (flag));
}G_STMT_END
#define GTK_WIDGET_UNSET_FLAGS(wid,flag)         \
        G_STMT_START{   (GTK_WIDGET_FLAGS   (wid)   &=   ~(flag));
}G_STMT_END
#define GTK_WIDGET_SET_FLAGS(wid,flag)   \
        G_STMT_START{   (GTK_WIDGET_FLAGS   (wid)   |=   (flag));
}G_STMT_END
#define GTK_SIGNAL_FUNC(f)      ((GtkSignalFunc) (f))
#define GTK_INTERFACE_AGE       (10)
#define GTK_MICRO_VERSION       (10)
#define GTK_MAJOR_VERSION       (2)
#define GTK_MINOR_VERSION       (6)
#define GTK_BINARY_AGE  (610)
#define GTK_TEXT_VIEW_PRIORITY_VALIDATE (GDK_PRIORITY_REDRAW + 5)
#define GTK_TYPE_ABOUT_DIALOG   (gtk_about_dialog_get_type ())
#define GTK_TYPE_ACCEL_FLAGS    (gtk_accel_flags_get_type())
#define GTK_TYPE_ACCEL_GROUP    (gtk_accel_group_get_type ())
#define GTK_TYPE_ACCEL_LABEL    (gtk_accel_label_get_type ())
#define GTK_TYPE_ACCEL_MAP      (gtk_accel_map_get_type ())
#define GTK_TYPE_ACCESSIBLE     (gtk_accessible_get_type ())
#define GTK_TYPE_ACTION (gtk_action_get_type ())
#define GTK_TYPE_ACTION_GROUP   (gtk_action_group_get_type ())
#define GTK_TYPE_ADJUSTMENT     (gtk_adjustment_get_type ())
#define GTK_TYPE_ALIGNMENT      (gtk_alignment_get_type ())
#define GTK_TYPE_ANCHOR_TYPE    (gtk_anchor_type_get_type())
#define GTK_TYPE_ARG_FLAGS      (gtk_arg_flags_get_type())
#define   GTK_ARG_READWRITE                   (GTK_ARG_READABLE   |
GTK_ARG_WRITABLE)
#define GTK_TYPE_ARROW  (gtk_arrow_get_type ())
#define GTK_TYPE_ARROW_TYPE     (gtk_arrow_type_get_type())
#define GTK_TYPE_ASPECT_FRAME   (gtk_aspect_frame_get_type ())
#define GTK_TYPE_ATTACH_OPTIONS (gtk_attach_options_get_type())
#define GTK_TYPE_BIN    (gtk_bin_get_type ())
#define GTK_TYPE_BORDER (gtk_border_get_type ())
#define GTK_TYPE_BOX    (gtk_box_get_type ())
#define GTK_TYPE_BUTTONS_TYPE   (gtk_buttons_type_get_type())
```

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```
#define GTK_TYPE_BUTTON_BOX     (gtk_button_box_get_type ())
#define                                 GTK_TYPE_BUTTON_BOX_STYLE
(gtk_button_box_style_get_type())
#define GTK_TYPE_BUTTON (gtk_button_get_type ())
#define GTK_TYPE_CALENDAR       (gtk_calendar_get_type ())
#define GTK_TYPE_CELL_EDITABLE  (gtk_cell_editable_get_type ())
#define GTK_TYPE_CELL_LAYOUT    (gtk_cell_layout_get_type ())
#define                               GTK_TYPE_CELL_RENDERER_COMBO
(gtk_cell_renderer_combo_get_type ())
#define GTK_TYPE_CELL_RENDERER  (gtk_cell_renderer_get_type ())
#define                                GTK_TYPE_CELL_RENDERER_MODE
(gtk_cell_renderer_mode_get_type())
#define                               GTK_TYPE_CELL_RENDERER_STATE
(gtk_cell_renderer_state_get_type())
#define                                GTK_TYPE_CELL_RENDERER_TEXT
(gtk_cell_renderer_text_get_type ())
#define GTK_TYPE_CELL_VIEW      (gtk_cell_view_get_type ())
#define GTK_TYPE_CHECK_BUTTON   (gtk_check_button_get_type ())
#define  GTK_LIST(obj)     (GTK_CHECK_CAST  ((obj),  GTK_TYPE_LIST,
GtkList))
#define                                  GTK_TYPE_CHECK_MENU_ITEM
(gtk_check_menu_item_get_type ())
#define   GTK_IS_ICON_VIEW(obj)         (GTK_CHECK_TYPE   ((obj),
GTK_TYPE_ICON_VIEW))
#define  GTK_IS_LIST(obj)                (GTK_CHECK_TYPE  ((obj),
GTK_TYPE_LIST))
#define   GTK_IS_OBJECT(object)       (GTK_CHECK_TYPE   ((object),
GTK_TYPE_OBJECT))
#define GTK_TYPE_CLIPBOARD      (gtk_clipboard_get_type ())
#define GTK_TYPE_COLOR_BUTTON   (gtk_color_button_get_type ())
#define                                  GTK_TYPE_COLOR_SELECTION
(gtk_color_selection_get_type ())
#define                                  GTK_TYPE_COMBO_BOX_ENTRY
(gtk_combo_box_entry_get_type ())
#define GTK_TYPE_COMBO_BOX      (gtk_combo_box_get_type ())
#define GTK_TYPE_CONTAINER      (gtk_container_get_type ())
#define GTK_TYPE_CORNER_TYPE    (gtk_corner_type_get_type())
#define GTK_TYPE_CURVE  (gtk_curve_get_type ())
#define GTK_TYPE_CURVE_TYPE     (gtk_curve_type_get_type())
#define GTK_TYPE_DEBUG_FLAG     (gtk_debug_flag_get_type())
#define GTK_TYPE_DELETE_TYPE    (gtk_delete_type_get_type())
#define GTK_TYPE_DEST_DEFAULTS  (gtk_dest_defaults_get_type())
#define GTK_TYPE_DIALOG_FLAGS   (gtk_dialog_flags_get_type())
#define GTK_TYPE_DIALOG (gtk_dialog_get_type ())
#define GTK_TYPE_DIRECTION_TYPE (gtk_direction_type_get_type())
#define GTK_TYPE_DRAWING_AREA   (gtk_drawing_area_get_type ())
#define GTK_TYPE_EDITABLE       (gtk_editable_get_type ())
#define                                 GTK_TYPE_ENTRY_COMPLETION
(gtk_entry_completion_get_type ())
#define GTK_TYPE_ENTRY  (gtk_entry_get_type ())
#define GTK_TYPE_EVENT_BOX      (gtk_event_box_get_type ())
#define GTK_TYPE_EXPANDER       (gtk_expander_get_type ())
#define GTK_TYPE_EXPANDER_STYLE (gtk_expander_style_get_type())
#define                               GTK_TYPE_FILE_CHOOSER_ACTION
(gtk_file_chooser_action_get_type())
#define                               GTK_TYPE_FILE_CHOOSER_BUTTON
(gtk_file_chooser_button_get_type ())
#define                               GTK_TYPE_FILE_CHOOSER_DIALOG
(gtk_file_chooser_dialog_get_type ())
#define                                GTK_TYPE_FILE_CHOOSER_ERROR
(gtk_file_chooser_error_get_type())
#define GTK_FILE_CHOOSER_ERROR  (gtk_file_chooser_error_quark ())
#define GTK_TYPE_FILE_CHOOSER   (gtk_file_chooser_get_type ())
#define                               GTK_TYPE_FILE_CHOOSER_WIDGET
(gtk_file_chooser_widget_get_type ())
```

```
#define GTK_TYPE_FILE_FILTER_FLAGS
(gtk_file_filter_flags_get_type())
#define GTK_TYPE_FILE_FILTER    (gtk_file_filter_get_type ())
#define GTK_TYPE_FILE_SELECTION (gtk_file_selection_get_type ())
#define GTK_TYPE_FIXED  (gtk_fixed_get_type ())
#define GTK_TYPE_FONT_BUTTON    (gtk_font_button_get_type ())
#define GTK_TYPE_FONT_SELECTION (gtk_font_selection_get_type ())
#define GTK_TYPE_FRAME  (gtk_frame_get_type ())
#define GTK_TYPE_GAMMA_CURVE    (gtk_gamma_curve_get_type ())
#define GTK_TYPE_HANDLE_BOX     (gtk_handle_box_get_type ())
#define GTK_TYPE_HBOX   (gtk_hbox_get_type ())
#define GTK_TYPE_HBUTTON_BOX    (gtk_hbutton_box_get_type ())
#define GTK_TYPE_HPANED (gtk_hpaned_get_type ())
#define GTK_TYPE_HRULER (gtk_hruler_get_type ())
#define GTK_TYPE_HSCALE (gtk_hscale_get_type ())
#define GTK_TYPE_HSCROLLBAR     (gtk_hscrollbar_get_type ())
#define GTK_TYPE_HSEPARATOR     (gtk_hseparator_get_type ())
#define GTK_TYPE_ICON_FACTORY   (gtk_icon_factory_get_type ())
#define GTK_TYPE_ICON_INFO      (gtk_icon_info_get_type ())
#define GTK_TYPE_ICON_LOOKUP_FLAGS
(gtk_icon_lookup_flags_get_type())
#define GTK_TYPE_ICON_SET       (gtk_icon_set_get_type ())
#define GTK_TYPE_ICON_SIZE      (gtk_icon_size_get_type())
#define GTK_TYPE_ICON_SOURCE    (gtk_icon_source_get_type ())
#define GTK_TYPE_ICON_THEME_ERROR
(gtk_icon_theme_error_get_type())
#define GTK_TYPE_ICON_THEME     (gtk_icon_theme_get_type ())
#define GTK_TYPE_ICON_VIEW      (gtk_icon_view_get_type ())
#define GTK_TYPE_IDENTIFIER     (gtk_identifier_get_type ())
#define GTK_TYPE_IMAGE  (gtk_image_get_type ())
#define GTK_TYPE_IMAGE_MENU_ITEM
(gtk_image_menu_item_get_type ())
#define GTK_TYPE_IMAGE_TYPE     (gtk_image_type_get_type())
#define GTK_TYPE_IM_CONTEXT     (gtk_im_context_get_type ())
#define GTK_TYPE_IM_CONTEXT_SIMPLE
(gtk_im_context_simple_get_type ())
#define GTK_TYPE_IM_MULTICONTEXT
(gtk_im_multicontext_get_type ())
#define GTK_TYPE_IM_PREEDIT_STYLE
(gtk_im_preedit_style_get_type())
#define GTK_TYPE_IM_STATUS_STYLE
(gtk_im_status_style_get_type())
#define GTK_TYPE_INPUT_DIALOG   (gtk_input_dialog_get_type ())
#define GTK_TYPE_INVISIBLE      (gtk_invisible_get_type ())
#define GTK_TYPE_ITEM   (gtk_item_get_type ())
#define GTK_TYPE_JUSTIFICATION  (gtk_justification_get_type())
#define GTK_TYPE_LABEL  (gtk_label_get_type ())
#define GTK_TYPE_LAYOUT (gtk_layout_get_type ())
#define GTK_TYPE_LIST   (gtk_list_get_type ())
#define GTK_TYPE_LIST_STORE     (gtk_list_store_get_type ())
#define GTK_TYPE_MATCH_TYPE     (gtk_match_type_get_type())
#define GTK_TYPE_MENU_BAR       (gtk_menu_bar_get_type ())
#define GTK_TYPE_MENU_DIRECTION_TYPE
(gtk_menu_direction_type_get_type())
#define GTK_TYPE_MENU   (gtk_menu_get_type ())
#define GTK_TYPE_MENU_ITEM      (gtk_menu_item_get_type ())
#define GTK_TYPE_MENU_SHELL     (gtk_menu_shell_get_type ())
#define GTK_TYPE_MENU_TOOL_BUTTON
(gtk_menu_tool_button_get_type ())
#define GTK_TYPE_MESSAGE_DIALOG (gtk_message_dialog_get_type ())
#define GTK_TYPE_MESSAGE_TYPE   (gtk_message_type_get_type())
#define GTK_TYPE_METRIC_TYPE    (gtk_metric_type_get_type())
#define GTK_TYPE_MISC   (gtk_misc_get_type ())
#define GTK_TYPE_MOVEMENT_STEP  (gtk_movement_step_get_type())
#define GTK_TYPE_NOTEBOOK       (gtk_notebook_get_type ())
#define GTK_TYPE_NOTEBOOK_TAB   (gtk_notebook_tab_get_type())
```

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```
#define GTK_OBJECT_FLAGS(obj)   (GTK_OBJECT (obj)->flags)
#define GTK_WIDGET_FLAGS(wid)   (GTK_OBJECT_FLAGS (wid))
#define GTK_TYPE_OBJECT_FLAGS   (gtk_object_flags_get_type())
#define GTK_TYPE_OBJECT (gtk_object_get_type ())
#define GTK_WIDGET_TYPE(wid)    (GTK_OBJECT_TYPE (wid))
#define GTK_TYPE_ORIENTATION    (gtk_orientation_get_type())
#define GTK_TYPE_PACK_TYPE      (gtk_pack_type_get_type())
#define GTK_TYPE_PANED  (gtk_paned_get_type ())
#define                                GTK_TYPE_PATH_PRIORITY_TYPE
(gtk_path_priority_type_get_type())
#define GTK_TYPE_PATH_TYPE      (gtk_path_type_get_type())
#define GTK_TYPE_PLUG   (gtk_plug_get_type ())
#define GTK_TYPE_POLICY_TYPE    (gtk_policy_type_get_type())
#define GTK_TYPE_POSITION_TYPE  (gtk_position_type_get_type())
#define GTK_TYPE_PROGRESS_BAR   (gtk_progress_bar_get_type ())
#define                                GTK_TYPE_PROGRESS_BAR_STYLE
(gtk_progress_bar_style_get_type())
#define GTK_TYPE_RADIO_ACTION   (gtk_radio_action_get_type ())
#define GTK_TYPE_RADIO_BUTTON   (gtk_radio_button_get_type ())
#define                                  GTK_TYPE_RADIO_MENU_ITEM
(gtk_radio_menu_item_get_type ())
#define                                 GTK_TYPE_RADIO_TOOL_BUTTON
(gtk_radio_tool_button_get_type ())
#define GTK_TYPE_RANGE  (gtk_range_get_type ())
#define GTK_TYPE_RC_FLAGS       (gtk_rc_flags_get_type())
#define GTK_TYPE_RC_STYLE       (gtk_rc_style_get_type ())
#define GTK_TYPE_RC_TOKEN_TYPE  (gtk_rc_token_type_get_type())
#define GTK_TYPE_RELIEF_STYLE   (gtk_relief_style_get_type())
#define GTK_TYPE_REQUISITION    (gtk_requisition_get_type ())
#define GTK_TYPE_RESIZE_MODE    (gtk_resize_mode_get_type())
#define GTK_TYPE_RESPONSE_TYPE  (gtk_response_type_get_type())
#define GTK_TYPE_RULER  (gtk_ruler_get_type ())
#define GTK_TYPE_SCALE  (gtk_scale_get_type ())
#define GTK_TYPE_SCROLLBAR      (gtk_scrollbar_get_type ())
#define                                  GTK_TYPE_SCROLLED_WINDOW
(gtk_scrolled_window_get_type ())
#define GTK_TYPE_SCROLL_STEP    (gtk_scroll_step_get_type())
#define GTK_TYPE_SCROLL_TYPE    (gtk_scroll_type_get_type())
#define GTK_TYPE_SELECTION_DATA (gtk_selection_data_get_type ())
#define GTK_TYPE_SELECTION_MODE (gtk_selection_mode_get_type())
#define GTK_TYPE_SEPARATOR      (gtk_separator_get_type ())
#define                               GTK_TYPE_SEPARATOR_MENU_ITEM
(gtk_separator_menu_item_get_type ())
#define                               GTK_TYPE_SEPARATOR_TOOL_ITEM
(gtk_separator_tool_item_get_type ())
#define GTK_TYPE_SETTINGS       (gtk_settings_get_type ())
#define GTK_TYPE_SHADOW_TYPE    (gtk_shadow_type_get_type())
#define GTK_TYPE_SIDE_TYPE      (gtk_side_type_get_type())
#define                                  GTK_TYPE_SIGNAL_RUN_TYPE
(gtk_signal_run_type_get_type())
#define GTK_TYPE_SIZE_GROUP     (gtk_size_group_get_type ())
#define                                  GTK_TYPE_SIZE_GROUP_MODE
(gtk_size_group_mode_get_type())
#define GTK_TYPE_SOCKET (gtk_socket_get_type ())
#define GTK_TYPE_SORT_TYPE      (gtk_sort_type_get_type())
#define GTK_TYPE_SPIN_BUTTON    (gtk_spin_button_get_type ())
#define GTK_TYPE_SPIN_TYPE      (gtk_spin_type_get_type())
#define GTK_TYPE_STATE_TYPE     (gtk_state_type_get_type())
#define GTK_TYPE_STATUSBAR      (gtk_statusbar_get_type ())
#define  GTK_STYLE_ATTACHED(style)            (GTK_STYLE  (style)-
>attach_count > 0)
#define GTK_TYPE_STYLE  (gtk_style_get_type ())
#define                                 GTK_TYPE_SUBMENU_DIRECTION
(gtk_submenu_direction_get_type())
#define                                 GTK_TYPE_SUBMENU_PLACEMENT
(gtk_submenu_placement_get_type())
```

```
#define GTK_TYPE_TABLE  (gtk_table_get_type ())
#define GTK_TYPE_TARGET_FLAGS   (gtk_target_flags_get_type())
#define                                GTK_TYPE_TEAROFF_MENU_ITEM
(gtk_tearoff_menu_item_get_type ())
#define                                  GTK_TYPE_TEXT_ATTRIBUTES
(gtk_text_attributes_get_type ())
#define GTK_TYPE_TEXT_BUFFER    (gtk_text_buffer_get_type ())
#define                                GTK_TYPE_TEXT_CHILD_ANCHOR
(gtk_text_child_anchor_get_type ())
#define GTK_TYPE_TEXT_DIRECTION (gtk_text_direction_get_type())
#define GTK_TYPE_TEXT_ITER      (gtk_text_iter_get_type ())
#define GTK_TYPE_TEXT_MARK      (gtk_text_mark_get_type ())
#define                                GTK_TYPE_TEXT_SEARCH_FLAGS
(gtk_text_search_flags_get_type())
#define GTK_TYPE_TEXT_TAG       (gtk_text_tag_get_type ())
#define GTK_TYPE_TEXT_TAG_TABLE (gtk_text_tag_table_get_type ())
#define GTK_TYPE_TEXT_VIEW      (gtk_text_view_get_type ())
#define                                 GTK_TYPE_TEXT_WINDOW_TYPE
(gtk_text_window_type_get_type())
#define GTK_TYPE_TOGGLE_ACTION  (gtk_toggle_action_get_type ())
#define GTK_TYPE_TOGGLE_BUTTON  (gtk_toggle_button_get_type ())
#define                               GTK_TYPE_TOGGLE_TOOL_BUTTON
(gtk_toggle_tool_button_get_type ())
#define                               GTK_TYPE_TOOLBAR_CHILD_TYPE
(gtk_toolbar_child_type_get_type())
#define GTK_TYPE_TOOLBAR        (gtk_toolbar_get_type ())
#define                              GTK_TYPE_TOOLBAR_SPACE_STYLE
(gtk_toolbar_space_style_get_type())
#define GTK_TYPE_TOOLBAR_STYLE  (gtk_toolbar_style_get_type())
#define GTK_TYPE_TOOLTIPS       (gtk_tooltips_get_type ())
#define GTK_TYPE_TOOL_BUTTON    (gtk_tool_button_get_type ())
#define GTK_TYPE_TOOL_ITEM      (gtk_tool_item_get_type ())
#define GTK_TYPE_TREE_DRAG_DEST (gtk_tree_drag_dest_get_type ())
#define                                 GTK_TYPE_TREE_DRAG_SOURCE
(gtk_tree_drag_source_get_type ())
#define GTK_TYPE_TREE_ITER      (gtk_tree_iter_get_type ())
#define                                GTK_TYPE_TREE_MODEL_FILTER
(gtk_tree_model_filter_get_type ())
#define                                 GTK_TYPE_TREE_MODEL_FLAGS
(gtk_tree_model_flags_get_type())
#define GTK_TYPE_TREE_MODEL     (gtk_tree_model_get_type ())
#define                                  GTK_TYPE_TREE_MODEL_SORT
(gtk_tree_model_sort_get_type ())
#define GTK_TYPE_TREE_PATH      (gtk_tree_path_get_type ())
#define                               GTK_TYPE_TREE_ROW_REFERENCE
(gtk_tree_row_reference_get_type ())
#define GTK_TYPE_TREE_SELECTION (gtk_tree_selection_get_type ())
#define GTK_TYPE_TREE_SORTABLE  (gtk_tree_sortable_get_type ())
#define GTK_TYPE_TREE_STORE     (gtk_tree_store_get_type ())
#define                                 GTK_TYPE_TREE_VIEW_COLUMN
(gtk_tree_view_column_get_type ())
#define GTK_TYPE_TREE_VIEW      (gtk_tree_view_get_type ())
#define GTK_TYPE_TREE_VIEW_MODE (gtk_tree_view_mode_get_type())
#define GTK_TYPE_UI_MANAGER     (gtk_ui_manager_get_type ())
#define GTK_TYPE_UPDATE_TYPE    (gtk_update_type_get_type())
#define GTK_TYPE_VBOX   (gtk_vbox_get_type ())
#define GTK_TYPE_VBUTTON_BOX    (gtk_vbutton_box_get_type ())
#define GTK_TYPE_VIEWPORT       (gtk_viewport_get_type ())
#define GTK_TYPE_VISIBILITY     (gtk_visibility_get_type())
#define GTK_TYPE_VPANED (gtk_vpaned_get_type ())
#define GTK_TYPE_VRULER (gtk_vruler_get_type ())
#define GTK_TYPE_VSCALE (gtk_vscale_get_type ())
#define GTK_TYPE_VSCROLLBAR     (gtk_vscrollbar_get_type ())
#define GTK_TYPE_VSEPARATOR     (gtk_vseparator_get_type ())
#define  GTK_WIDGET_SAVED_STATE(wid)          (GTK_WIDGET  (wid)-
>saved_state)
```

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```
#define GTK_WIDGET_STATE(wid)   (GTK_WIDGET (wid)->state)
#define GTK_TYPE_WIDGET_FLAGS   (gtk_widget_flags_get_type())
#define GTK_TYPE_WIDGET (gtk_widget_get_type ())
#define                                 GTK_TYPE_WIDGET_HELP_TYPE
(gtk_widget_help_type_get_type())
#define GTK_TYPE_WINDOW (gtk_window_get_type ())
#define GTK_TYPE_WINDOW_GROUP   (gtk_window_group_get_type ())
#define                                  GTK_TYPE_WINDOW_POSITION
(gtk_window_position_get_type())
#define GTK_TYPE_WINDOW_TYPE    (gtk_window_type_get_type())
#define GTK_TYPE_WRAP_MODE      (gtk_wrap_mode_get_type())
#define GTK_PRIORITY_RESIZE     (G_PRIORITY_HIGH_IDLE + 10)
#define   GTK_IS_BIN(obj)   (G_TYPE_CHECK_INSTANCE_TYPE   ((obj),
GTK_TYPE_BIN))
#define   GTK_IS_BOX(obj)   (G_TYPE_CHECK_INSTANCE_TYPE   ((obj),
GTK_TYPE_BOX))
#define GTK_OBJECT_TYPE(object) (G_TYPE_FROM_INSTANCE (object))
#define GTK_BUTTONBOX_DEFAULT   -1
#define GTK_INPUT_ERROR -1
#define GTK_PATH_PRIO_MASK      0x0f
#define GTK_MAX_COMPOSE_LEN     7
#define GTKMAIN_C_VAR   extern
#define GTKVAR  extern
#define GTK_STOCK_ABOUT "gtk-about"
#define GTK_STOCK_ADD   "gtk-add"
#define GTK_STOCK_APPLY "gtk-apply"
#define GTK_STOCK_BOLD  "gtk-bold"
#define GTK_STOCK_CANCEL        "gtk-cancel"
#define GTK_STOCK_CDROM "gtk-cdrom"
#define GTK_STOCK_CLEAR "gtk-clear"
#define GTK_STOCK_CLOSE "gtk-close"
#define GTK_STOCK_COLOR_PICKER  "gtk-color-picker"
#define GTK_STOCK_CONNECT       "gtk-connect"
#define GTK_STOCK_CONVERT       "gtk-convert"
#define GTK_STOCK_COPY  "gtk-copy"
#define GTK_STOCK_CUT   "gtk-cut"
#define GTK_STOCK_DELETE        "gtk-delete"
#define        GTK_STOCK_DIALOG_AUTHENTICATION        "gtk-dialog-
authentication"
#define GTK_STOCK_DIALOG_ERROR  "gtk-dialog-error"
#define GTK_STOCK_DIALOG_INFO   "gtk-dialog-info"
#define GTK_STOCK_DIALOG_QUESTION       "gtk-dialog-question"
#define GTK_STOCK_DIALOG_WARNING        "gtk-dialog-warning"
#define GTK_STOCK_DIRECTORY     "gtk-directory"
#define GTK_STOCK_DISCONNECT    "gtk-disconnect"
#define GTK_STOCK_DND   "gtk-dnd"
#define GTK_STOCK_DND_MULTIPLE  "gtk-dnd-multiple"
#define GTK_STOCK_EDIT  "gtk-edit"
#define GTK_STOCK_EXECUTE       "gtk-execute"
#define GTK_STOCK_FILE  "gtk-file"
#define GTK_STOCK_FIND  "gtk-find"
#define GTK_STOCK_FIND_AND_REPLACE      "gtk-find-and-replace"
#define GTK_STOCK_FLOPPY        "gtk-floppy"
#define GTK_STOCK_GO_BACK       "gtk-go-back"
#define GTK_STOCK_GO_DOWN       "gtk-go-down"
#define GTK_STOCK_GO_FORWARD    "gtk-go-forward"
#define GTK_STOCK_GO_UP "gtk-go-up"
#define GTK_STOCK_GOTO_BOTTOM   "gtk-goto-bottom"
#define GTK_STOCK_GOTO_FIRST    "gtk-goto-first"
#define GTK_STOCK_GOTO_LAST     "gtk-goto-last"
#define GTK_STOCK_GOTO_TOP      "gtk-goto-top"
#define GTK_STOCK_HARDDISK      "gtk-harddisk"
#define GTK_STOCK_HELP  "gtk-help"
#define GTK_STOCK_HOME  "gtk-home"
#define GTK_STOCK_INDENT        "gtk-indent"
#define GTK_STOCK_INDEX "gtk-index"
```

```
#define GTK_STOCK_ITALIC        "gtk-italic"
#define GTK_STOCK_JUMP_TO       "gtk-jump-to"
#define GTK_STOCK_JUSTIFY_CENTER        "gtk-justify-center"
#define GTK_STOCK_JUSTIFY_FILL  "gtk-justify-fill"
#define GTK_STOCK_JUSTIFY_LEFT  "gtk-justify-left"
#define GTK_STOCK_JUSTIFY_RIGHT "gtk-justify-right"
#define GTK_STOCK_MEDIA_FORWARD "gtk-media-forward"
#define GTK_STOCK_MEDIA_NEXT    "gtk-media-next"
#define GTK_STOCK_MEDIA_PAUSE   "gtk-media-pause"
#define GTK_STOCK_MEDIA_PLAY    "gtk-media-play"
#define GTK_STOCK_MEDIA_PREVIOUS        "gtk-media-previous"
#define GTK_STOCK_MEDIA_RECORD  "gtk-media-record"
#define GTK_STOCK_MEDIA_REWIND  "gtk-media-rewind"
#define GTK_STOCK_MEDIA_STOP    "gtk-media-stop"
#define GTK_STOCK_MISSING_IMAGE "gtk-missing-image"
#define GTK_STOCK_NETWORK       "gtk-network"
#define GTK_STOCK_NEW   "gtk-new"
#define GTK_STOCK_NO    "gtk-no"
#define GTK_STOCK_OK    "gtk-ok"
#define GTK_STOCK_OPEN  "gtk-open"
#define GTK_STOCK_PASTE "gtk-paste"
#define GTK_STOCK_PREFERENCES   "gtk-preferences"
#define GTK_STOCK_PRINT "gtk-print"
#define GTK_STOCK_PRINT_PREVIEW "gtk-print-preview"
#define GTK_STOCK_PROPERTIES    "gtk-properties"
#define GTK_STOCK_QUIT  "gtk-quit"
#define GTK_STOCK_REDO  "gtk-redo"
#define GTK_STOCK_REFRESH       "gtk-refresh"
#define GTK_STOCK_REMOVE        "gtk-remove"
#define GTK_STOCK_REVERT_TO_SAVED       "gtk-revert-to-saved"
#define GTK_STOCK_SAVE  "gtk-save"
#define GTK_STOCK_SAVE_AS       "gtk-save-as"
#define GTK_STOCK_SELECT_COLOR  "gtk-select-color"
#define GTK_STOCK_SELECT_FONT   "gtk-select-font"
#define GTK_STOCK_SORT_ASCENDING        "gtk-sort-ascending"
#define GTK_STOCK_SORT_DESCENDING       "gtk-sort-descending"
#define GTK_STOCK_SPELL_CHECK   "gtk-spell-check"
#define GTK_STOCK_STOP  "gtk-stop"
#define GTK_STOCK_STRIKETHROUGH "gtk-strikethrough"
#define GTK_STOCK_UNDELETE      "gtk-undelete"
#define GTK_STOCK_UNDERLINE     "gtk-underline"
#define GTK_STOCK_UNDO  "gtk-undo"
#define GTK_STOCK_UNINDENT      "gtk-unindent"
#define GTK_STOCK_YES   "gtk-yes"
#define GTK_STOCK_ZOOM_100      "gtk-zoom-100"
#define GTK_STOCK_ZOOM_FIT      "gtk-zoom-fit"
#define GTK_STOCK_ZOOM_IN       "gtk-zoom-in"
#define GTK_STOCK_ZOOM_OUT      "gtk-zoom-out"
#define                          gtk_accel_label_accelerator_width
gtk_accel_label_get_accel_width
#define gtk_binding_entry_add   gtk_binding_entry_clear
#define GTK_ICON_THEME_ERROR    gtk_icon_theme_error_quark ()
#define GTK_CHECK_CLASS_CAST    G_TYPE_CHECK_CLASS_CAST
#define GTK_CHECK_CLASS_TYPE    G_TYPE_CHECK_CLASS_TYPE
#define GTK_CHECK_CAST  G_TYPE_CHECK_INSTANCE_CAST
#define GTK_CHECK_TYPE  G_TYPE_CHECK_INSTANCE_TYPE
#define GTK_CHECK_GET_CLASS     G_TYPE_INSTANCE_GET_CLASS

typedef struct _GtkIconSet
 GtkIconSet;
typedef struct _GtkObject {
    GObject parent_instance;
    guint32 flags;
} GtkObject;
typedef enum {
    GTK_RC_FG = 1,
```

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```
    GTK_RC_BG = 2,
    GTK_RC_TEXT = 4,
    GTK_RC_BASE = 8
} GtkRcFlags;
typedef struct _GtkRcStyle {
    GObject parent_instance;
    gchar *name;
    gchar *bg_pixmap_name[5];
    PangoFontDescription *font_desc;
    GtkRcFlags color_flags[5];
    GdkColor fg[5];
    GdkColor bg[5];
    GdkColor text[5];
    GdkColor base[5];
    gint xthickness;
    gint ythickness;
    GArray *rc_properties;
    GSList *rc_style_lists;
    GSList *icon_factories;
    guint engine_specified:1;
} GtkRcStyle;
typedef struct _GtkStyle {
    GObject parent_instance;
    GdkColor fg[5];
    GdkColor bg[5];
    GdkColor light[5];
    GdkColor dark[5];
    GdkColor mid[5];
    GdkColor text[5];
    GdkColor base[5];
    GdkColor text_aa[5];
    GdkColor black;
    GdkColor white;
    PangoFontDescription *font_desc;
    gint xthickness;
    gint ythickness;
    GdkGC *fg_gc[5];
    GdkGC *bg_gc[5];
    GdkGC *light_gc[5];
    GdkGC *dark_gc[5];
    GdkGC *mid_gc[5];
    GdkGC *text_gc[5];
    GdkGC *base_gc[5];
    GdkGC *text_aa_gc[5];
    GdkGC *black_gc;
    GdkGC *white_gc;
    GdkPixmap *bg_pixmap[5];
    gint attach_count;
    gint depth;
    GdkColormap *colormap;
    GdkFont *private_font;
    PangoFontDescription *private_font_desc;
    GtkRcStyle *rc_style;
    GSList *styles;
    GArray *property_cache;
    GSList *icon_factories;
} GtkStyle;
typedef struct _GtkRequisition {
    gint width;
    gint height;
} GtkRequisition;
typedef GdkRectangle GtkAllocation;
typedef struct _GtkWidget {
    GtkObject object;
    guint16 private_flags;
    guint8 state;
```

```
    guint8 saved_state;
    gchar *name;
    GtkStyle *style;
    GtkRequisition requisition;
    GtkAllocation allocation;
    GdkWindow *window;
    GtkWidget *parent;
} GtkWidget;
typedef struct _GtkAdjustment {
    GtkObject parent_instance;
    gdouble lower;
    gdouble upper;
    gdouble value;
    gdouble step_increment;
    gdouble page_increment;
    gdouble page_size;
} GtkAdjustment;
typedef struct _GtkProgress {
    GtkWidget widget;
    GtkAdjustment *adjustment;
    GdkPixmap *offscreen_pixmap;
    gchar *format;
    gfloat x_align;
    gfloat y_align;
    guint show_text:1;
    guint activity_mode:1;
    guint use_text_format:1;
} GtkProgress;
typedef enum {
    GTK_PROGRESS_CONTINUOUS = 0,
    GTK_PROGRESS_DISCRETE = 1
} GtkProgressBarStyle;
typedef enum {
    GTK_PROGRESS_LEFT_TO_RIGHT = 0,
    GTK_PROGRESS_RIGHT_TO_LEFT = 1,
    GTK_PROGRESS_BOTTOM_TO_TOP = 2,
    GTK_PROGRESS_TOP_TO_BOTTOM = 3
} GtkProgressBarOrientation;
typedef struct _GtkProgressBar {
    GtkProgress progress;
    GtkProgressBarStyle bar_style;
    GtkProgressBarOrientation orientation;
    guint blocks;
    gint in_block;
    gint activity_pos;
    guint activity_step;
    guint activity_blocks;
    gdouble pulse_fraction;
    guint activity_dir:1;
    guint ellipsize:3;
} GtkProgressBar;
typedef struct _GtkTextTagTable {
    GObject parent_instance;
    GHashTable *hash;
    GSList *anonymous;
    gint anon_count;
    GSList *buffers;
} GtkTextTagTable;
typedef struct _GtkTextBTree
 GtkTextBTree;
typedef struct _GtkTextLogAttrCache
 GtkTextLogAttrCache;
typedef struct _GtkTextBuffer {
    GObject parent_instance;
    GtkTextTagTable *tag_table;
    GtkTextBTree *btree;
```

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```
    GSList *clipboard_contents_buffers;
    GSList *selection_clipboards;
    GtkTextLogAttrCache *log_attr_cache;
    guint user_action_count;
    guint modified:1;
} GtkTextBuffer;
typedef struct _GtkTextIter {
    gpointer dummy1;
    gpointer dummy2;
    gint dummy3;
    gint dummy4;
    gint dummy5;
    gint dummy6;
    gint dummy7;
    gint dummy8;
    gpointer dummy9;
    gpointer dummy10;
    gint dummy11;
    gint dummy12;
    gint dummy13;
    gpointer dummy14;
} GtkTextIter;
typedef GType GtkType;
typedef struct _GtkContainer {
    GtkWidget widget;
    GtkWidget *focus_child;
    guint border_width:16;
    guint need_resize:1;
    guint resize_mode:2;
    guint reallocate_redraws:1;
    guint has_focus_chain:1;
} GtkContainer;
typedef struct _GtkBin {
    GtkContainer container;
    GtkWidget *child;
} GtkBin;
typedef struct _GtkComboBoxPrivate
 GtkComboBoxPrivate;
typedef struct _GtkComboBox {
    GtkBin parent_instance;
    GtkComboBoxPrivate *priv;
} GtkComboBox;
typedef struct _GtkMisc {
    GtkWidget widget;
    gfloat xalign;
    gfloat yalign;
    guint16 xpad;
    guint16 ypad;
} GtkMisc;
typedef struct _GtkBox {
    GtkContainer container;
    GList *children;
    gint16 spacing;
    guint homogeneous:1;
} GtkBox;
typedef struct _GtkHBox {
    GtkBox box;
} GtkHBox;
typedef struct _GtkStatusbar {
    GtkHBox parent_widget;
    GtkWidget *frame;
    GtkWidget *label;
    GSList *messages;
    GSList *keys;
    guint seq_context_id;
    guint seq_message_id;
```

```
    GdkWindow *grip_window;
    guint has_resize_grip:1;
} GtkStatusbar;
typedef struct _GtkTargetList {
    GList *list;
    guint ref_count;
} GtkTargetList;
typedef struct _GtkWindow {
    GtkBin bin;
    gchar *title;
    gchar *wmclass_name;
    gchar *wmclass_class;
    gchar *wm_role;
    GtkWidget *focus_widget;
    GtkWidget *default_widget;
    GtkWindow *transient_parent;
    GtkWindowGeometryInfo *geometry_info;
    GdkWindow *frame;
    GtkWindowGroup *group;
    guint16 configure_request_count;
    guint allow_shrink:1;
    guint allow_grow:1;
    guint configure_notify_received:1;
    guint need_default_position:1;
    guint need_default_size:1;
    guint position:3;
    guint type:4;
    guint has_user_ref_count:1;
    guint has_focus:1;
    guint modal:1;
    guint destroy_with_parent:1;
    guint has_frame:1;
    guint iconify_initially:1;
    guint stick_initially:1;
    guint maximize_initially:1;
    guint decorated:1;
    guint type_hint:3;
    guint gravity:5;
    guint is_active:1;
    guint has_toplevel_focus:1;
    guint frame_left;
    guint frame_top;
    guint frame_right;
    guint frame_bottom;
    guint keys_changed_handler;
    GdkModifierType mnemonic_modifier;
    GdkScreen *screen;
} GtkWindow;
typedef struct _GtkWindowGeometryInfo
 GtkWindowGeometryInfo;
typedef struct _GtkWindowGroup {
    GObject parent_instance;
    GSList *grabs;
} GtkWindowGroup;
typedef enum {
    GTK_STATE_NORMAL = 0,
    GTK_STATE_ACTIVE = 1,
    GTK_STATE_PRELIGHT = 2,
    GTK_STATE_SELECTED = 3,
    GTK_STATE_INSENSITIVE = 4
} GtkStateType;
typedef struct _GtkTreeRowReference
 GtkTreeRowReference;
typedef enum {
    GTK_TREE_MODEL_ITERS_PERSIST = 1,
    GTK_TREE_MODEL_LIST_ONLY = 2
```

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```
} GtkTreeModelFlags;
typedef struct _GtkTreeModel
 GtkTreeModel;
typedef struct _GtkTargetEntry {
    gchar *target;
    guint flags;
    guint info;
} GtkTargetEntry;
typedef struct _GtkIMContext {
    GObject parent_instance;
} GtkIMContext;
typedef struct _GtkEntry {
    GtkWidget widget;
    gchar *text;
    guint editable:1;
    guint visible:1;
    guint overwrite_mode:1;
    guint in_drag:1;
    guint16 text_length;
    guint16 text_max_length;
    GdkWindow *text_area;
    GtkIMContext *im_context;
    GtkWidget *popup_menu;
    gint current_pos;
    gint selection_bound;
    PangoLayout *cached_layout;
    guint cache_includes_preedit:1;
    guint need_im_reset:1;
    guint has_frame:1;
    guint activates_default:1;
    guint cursor_visible:1;
    guint in_click:1;
    guint is_cell_renderer:1;
    guint editing_canceled:1;
    guint mouse_cursor_obscured:1;
    guint select_words:1;
    guint select_lines:1;
    guint resolved_dir:4;
    guint button;
    guint blink_timeout;
    guint recompute_idle;
    gint scroll_offset;
    gint ascent;
    gint descent;
    guint16 text_size;
    guint16 n_bytes;
    guint16 preedit_length;
    guint16 preedit_cursor;
    gint dnd_position;
    gint drag_start_x;
    gint drag_start_y;
    gunichar invisible_char;
    gint width_chars;
} GtkEntry;
typedef struct _GtkComboBoxEntryPrivate
 GtkComboBoxEntryPrivate;
typedef struct _GtkComboBoxEntry {
    GtkComboBox parent_instance;
    GtkComboBoxEntryPrivate *priv;
} GtkComboBoxEntry;
typedef struct _GtkLayout {
    GtkContainer container;
    GList *children;
    guint width;
    guint height;
    GtkAdjustment *hadjustment;
```

```
    GtkAdjustment *vadjustment;
    GdkWindow *bin_window;
    GdkVisibilityState visibility;
    gint scroll_x;
    gint scroll_y;
    guint freeze_count;
} GtkLayout;
typedef enum {
    GTK_SORT_ASCENDING = 0,
    GTK_SORT_DESCENDING = 1
} GtkSortType;
typedef struct _GtkTreeIter {
    gint stamp;
    gpointer user_data;
    gpointer user_data2;
    gpointer user_data3;
} GtkTreeIter;
typedef     gint(*GtkTreeIterCompareFunc)     (GtkTreeModel     *,
GtkTreeIter *,
                                        GtkTreeIter *, gpointer);
typedef void (*GtkDestroyNotify) (gpointer);
typedef struct _GtkTreeStore {
    GObject parent;
    gint stamp;
    gpointer root;
    gpointer last;
    gint n_columns;
    gint sort_column_id;
    GList *sort_list;
    GtkSortType order;
    GType *column_headers;
    GtkTreeIterCompareFunc default_sort_func;
    gpointer default_sort_data;
    GtkDestroyNotify default_sort_destroy;
    guint columns_dirty:1;
} GtkTreeStore;
typedef struct _GtkDialog {
    GtkWindow window;
    GtkWidget *vbox;
    GtkWidget *action_area;
    GtkWidget *separator;
} GtkDialog;
typedef struct _GtkAboutDialog {
    GtkDialog parent_instance;
    gpointer private_data;
} GtkAboutDialog;
typedef void (*GtkAboutDialogActivateLinkFunc) (GtkAboutDialog *,
                                                const   gchar   *,
gpointer);
typedef struct _GtkTreeSortable GtkTreeSortable;
typedef enum {
    GTK_UPDATE_CONTINUOUS = 0,
    GTK_UPDATE_DISCONTINUOUS = 1,
    GTK_UPDATE_DELAYED = 2
} GtkUpdateType;
typedef enum {
    GTK_ORIENTATION_HORIZONTAL = 0,
    GTK_ORIENTATION_VERTICAL = 1
} GtkOrientation;
typedef struct _GtkRangeLayout GtkRangeLayout;
typedef struct _GtkRangeStepTimer GtkRangeStepTimer;
typedef struct _GtkRange {
    GtkWidget widget;
    GtkAdjustment *adjustment;
    GtkUpdateType update_policy;
    guint inverted:1;
```

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```
    guint flippable:1;
    guint has_stepper_a:1;
    guint has_stepper_b:1;
    guint has_stepper_c:1;
    guint has_stepper_d:1;
    guint need_recalc:1;
    guint slider_size_fixed:1;
    gint min_slider_size;
    GtkOrientation orientation;
    GdkRectangle range_rect;
    gint slider_start;
    gint slider_end;
    gint round_digits;
    guint trough_click_forward:1;
    guint update_pending:1;
    GtkRangeLayout *layout;
    GtkRangeStepTimer *timer;
    gint slide_initial_slider_position;
    gint slide_initial_coordinate;
    guint update_timeout_id;
    GdkWindow *event_window;
} GtkRange;
typedef struct _GtkAccelKey {
    guint accel_key;
    GdkModifierType accel_mods;
    guint accel_flags:16;
} GtkAccelKey;
typedef struct _GtkAccelGroupEntry {
    GtkAccelKey key;
    GClosure *closure;
    GQuark accel_path_quark;
} GtkAccelGroupEntry;
typedef struct _GtkAccelGroup {
    GObject parent;
    guint lock_count;
    GdkModifierType modifier_mask;
    GSList *acceleratables;
    guint n_accels;
    GtkAccelGroupEntry *priv_accels;
} GtkAccelGroup;
typedef struct _GtkSocket {
    GtkContainer container;
    guint16 request_width;
    guint16 request_height;
    guint16 current_width;
    guint16 current_height;
    GdkWindow *plug_window;
    GtkWidget *plug_widget;
    gshort xembed_version;
    guint same_app:1;
    guint focus_in:1;
    guint have_size:1;
    guint need_map:1;
    guint is_mapped:1;
    guint active:1;
    GtkAccelGroup *accel_group;
    GtkWidget *toplevel;
} GtkSocket;
typedef struct _GtkCellEditable GtkCellEditable;
typedef enum {
    GTK_TREE_VIEW_COLUMN_GROW_ONLY = 0,
    GTK_TREE_VIEW_COLUMN_AUTOSIZE = 1,
    GTK_TREE_VIEW_COLUMN_FIXED = 2
} GtkTreeViewColumnSizing;
typedef struct _GtkTreeViewColumn {
    GtkObject parent;
```

```
        GtkWidget *tree_view;
        GtkWidget *button;
        GtkWidget *child;
        GtkWidget *arrow;
        GtkWidget *alignment;
        GdkWindow *window;
        GtkCellEditable *editable_widget;
        gfloat xalign;
        guint property_changed_signal;
        gint spacing;
        GtkTreeViewColumnSizing column_type;
        gint requested_width;
        gint button_request;
        gint resized_width;
        gint width;
        gint fixed_width;
        gint min_width;
        gint max_width;
        gint drag_x;
        gint drag_y;
        gchar *title;
        GList *cell_list;
        guint sort_clicked_signal;
        guint sort_column_changed_signal;
        gint sort_column_id;
        GtkSortType sort_order;
        guint visible:1;
        guint resizable:1;
        guint clickable:1;
        guint dirty:1;
        guint show_sort_indicator:1;
        guint maybe_reordered:1;
        guint reorderable:1;
        guint use_resized_width:1;
        guint expand:1;
    } GtkTreeViewColumn;
    typedef struct _GtkCellRenderer {
        GtkObject parent;
        gfloat xalign;
        gfloat yalign;
        gint width;
        gint height;
        guint16 xpad;
        guint16 ypad;
        guint mode:2;
        guint visible:1;
        guint is_expander:1;
        guint is_expanded:1;
        guint cell_background_set:1;
        guint sensitive:1;
        guint editing:1;
    } GtkCellRenderer;
    typedef enum {
        GTK_BUTTONBOX_DEFAULT_STYLE = 0,
        GTK_BUTTONBOX_SPREAD = 1,
        GTK_BUTTONBOX_EDGE = 2,
        GTK_BUTTONBOX_START = 3,
        GTK_BUTTONBOX_END = 4
    } GtkButtonBoxStyle;
    typedef struct _GtkButtonBox {
        GtkBox box;
        gint child_min_width;
        gint child_min_height;
        gint child_ipad_x;
        gint child_ipad_y;
        GtkButtonBoxStyle layout_style;
```

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```
} GtkButtonBox;
typedef struct _GtkActionPrivate GtkActionPrivate;
typedef struct _GtkAction {
    GObject object;
    GtkActionPrivate *private_data;
} GtkAction;
typedef struct _GtkToggleActionPrivate GtkToggleActionPrivate;
typedef struct _GtkToggleAction {
    GtkAction parent;
    GtkToggleActionPrivate *private_data;
} GtkToggleAction;
typedef struct _GtkTextAppearance {
    GdkColor bg_color;
    GdkColor fg_color;
    GdkBitmap *bg_stipple;
    GdkBitmap *fg_stipple;
    gint rise;
    gpointer padding1;
    guint underline:4;
    guint strikethrough:1;
    guint draw_bg:1;
    guint inside_selection:1;
    guint is_text:1;
    guint pad1:1;
    guint pad2:1;
    guint pad3:1;
    guint pad4:1;
} GtkTextAppearance;
typedef enum {
    GTK_JUSTIFY_LEFT = 0,
    GTK_JUSTIFY_RIGHT = 1,
    GTK_JUSTIFY_CENTER = 2,
    GTK_JUSTIFY_FILL = 3
} GtkJustification;
typedef enum {
    GTK_TEXT_DIR_NONE = 0,
    GTK_TEXT_DIR_LTR = 1,
    GTK_TEXT_DIR_RTL = 2
} GtkTextDirection;
typedef enum {
    GTK_WRAP_NONE = 0,
    GTK_WRAP_CHAR = 1,
    GTK_WRAP_WORD = 2,
    GTK_WRAP_WORD_CHAR = 3
} GtkWrapMode;
typedef struct _GtkTextAttributes {
    guint refcount;
    GtkTextAppearance appearance;
    GtkJustification justification;
    GtkTextDirection direction;
    PangoFontDescription *font;
    gdouble font_scale;
    gint left_margin;
    gint indent;
    gint right_margin;
    gint pixels_above_lines;
    gint pixels_below_lines;
    gint pixels_inside_wrap;
    PangoTabArray *tabs;
    GtkWrapMode wrap_mode;
    PangoLanguage *language;
    gpointer padding1;
    guint invisible:1;
    guint bg_full_height:1;
    guint editable:1;
    guint realized:1;
```

```
        guint pad1:1;
        guint pad2:1;
        guint pad3:1;
        guint pad4:1;
    } GtkTextAttributes;
    typedef struct _GtkTextTag {
        GObject parent_instance;
        GtkTextTagTable *table;
        char *name;
        int priority;
        GtkTextAttributes *values;
        guint bg_color_set:1;
        guint bg_stipple_set:1;
        guint fg_color_set:1;
        guint scale_set:1;
        guint fg_stipple_set:1;
        guint justification_set:1;
        guint left_margin_set:1;
        guint indent_set:1;
        guint rise_set:1;
        guint strikethrough_set:1;
        guint right_margin_set:1;
        guint pixels_above_lines_set:1;
        guint pixels_below_lines_set:1;
        guint pixels_inside_wrap_set:1;
        guint tabs_set:1;
        guint underline_set:1;
        guint wrap_mode_set:1;
        guint bg_full_height_set:1;
        guint invisible_set:1;
        guint editable_set:1;
        guint language_set:1;
        guint pad1:1;
        guint pad2:1;
        guint pad3:1;
    } GtkTextTag;
    typedef struct _GtkFileFilter GtkFileFilter;
    typedef enum {
        GTK_FILE_FILTER_FILENAME = 1,
        GTK_FILE_FILTER_URI = 2,
        GTK_FILE_FILTER_DISPLAY_NAME = 4,
        GTK_FILE_FILTER_MIME_TYPE = 8
    } GtkFileFilterFlags;
    typedef struct _GtkFileFilterInfo {
        GtkFileFilterFlags contains;
        const gchar *filename;
        const gchar *uri;
        const gchar *display_name;
        const gchar *mime_type;
    } GtkFileFilterInfo;
    typedef struct _GtkIconSource GtkIconSource;
    typedef struct _GtkToolItemPrivate GtkToolItemPrivate;
    typedef struct _GtkToolItem {
        GtkBin parent;
        GtkToolItemPrivate *priv;
    } GtkToolItem;
    typedef struct _GtkToolButtonPrivate GtkToolButtonPrivate;
    typedef struct _GtkToolButton {
        GtkToolItem parent;
        GtkToolButtonPrivate *priv;
    } GtkToolButton;
    typedef struct _GtkIconViewPrivate GtkIconViewPrivate;
    typedef struct _GtkIconView {
        GtkContainer parent;
        GtkIconViewPrivate *priv;
    } GtkIconView;
```

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```
typedef struct _GtkLabelSelectionInfo GtkLabelSelectionInfo;
typedef struct _GtkLabel {
    GtkMisc misc;
    gchar *label;
    guint jtype:2;
    guint wrap:1;
    guint use_underline:1;
    guint use_markup:1;
    guint ellipsize:3;
    guint mnemonic_keyval;
    gchar *text;
    PangoAttrList *attrs;
    PangoAttrList *effective_attrs;
    PangoLayout *layout;
    GtkWidget *mnemonic_widget;
    GtkWindow *mnemonic_window;
    GtkLabelSelectionInfo *select_info;
} GtkLabel;
typedef struct _GtkSettingsPropertyValue
GtkSettingsPropertyValue;
typedef struct _GtkRcContext GtkRcContext;
typedef struct _GtkSettings {
    GObject parent_instance;
    GData *queued_settings;
    GtkSettingsPropertyValue *property_values;
    GtkRcContext *rc_context;
    GdkScreen *screen;
} GtkSettings;
typedef struct _GtkUIManagerPrivate GtkUIManagerPrivate;
typedef struct _GtkUIManager {
    GObject parent;
    GtkUIManagerPrivate *private_data;
} GtkUIManager;
typedef struct _GtkItem {
    GtkBin bin;
} GtkItem;
typedef struct _GtkMenuItem {
    GtkItem item;
    GtkWidget *submenu;
    GdkWindow *event_window;
    guint16 toggle_size;
    guint16 accelerator_width;
    gchar *accel_path;
    guint show_submenu_indicator:1;
    guint submenu_placement:1;
    guint submenu_direction:1;
    guint right_justify:1;
    guint timer_from_keypress:1;
    guint timer;
} GtkMenuItem;
typedef struct _GtkCheckMenuItem {
    GtkMenuItem menu_item;
    guint active:1;
    guint always_show_toggle:1;
    guint inconsistent:1;
    guint draw_as_radio:1;
} GtkCheckMenuItem;
typedef struct _GtkRadioMenuItem {
    GtkCheckMenuItem check_menu_item;
    GSList *group;
} GtkRadioMenuItem;
typedef struct _GtkCellViewPrivate GtkCellViewPrivate;
typedef struct _GtkCellView {
    GtkWidget parent_instance;
    GtkCellViewPrivate *priv;
} GtkCellView;
```

```
typedef struct _GtkSelectionData {
    GdkAtom selection;
    GdkAtom target;
    GdkAtom type;
    gint format;
    guchar *data;
    gint length;
    GdkDisplay *display;
} GtkSelectionData;
typedef struct _GtkFileChooser GtkFileChooser;
typedef struct _GtkDrawingArea {
    GtkWidget widget;
    gpointer draw_data;
} GtkDrawingArea;
typedef enum {
    GTK_CURVE_TYPE_LINEAR = 0,
    GTK_CURVE_TYPE_SPLINE = 1,
    GTK_CURVE_TYPE_FREE = 2
} GtkCurveType;
typedef struct _GtkCurve {
    GtkDrawingArea graph;
    gint cursor_type;
    gfloat min_x;
    gfloat max_x;
    gfloat min_y;
    gfloat max_y;
    GdkPixmap *pixmap;
    GtkCurveType curve_type;
    gint height;
    gint grab_point;
    gint last;
    gint num_points;
    GdkPoint *point;
    gint num_ctlpoints;
    gfloat *ctlpoint;
} GtkCurve;
typedef struct _GtkNotebookPage GtkNotebookPage;
typedef struct _GtkNotebook {
    GtkContainer container;
    GtkNotebookPage *cur_page;
    GList *children;
    GList *first_tab;
    GList *focus_tab;
    GtkWidget *menu;
    GdkWindow *event_window;
    guint32 timer;
    guint16 tab_hborder;
    guint16 tab_vborder;
    guint show_tabs:1;
    guint homogeneous:1;
    guint show_border:1;
    guint tab_pos:2;
    guint scrollable:1;
    guint in_child:3;
    guint click_child:3;
    guint button:2;
    guint need_timer:1;
    guint child_has_focus:1;
    guint have_visible_child:1;
    guint focus_out:1;
    guint has_before_previous:1;
    guint has_before_next:1;
    guint has_after_previous:1;
    guint has_after_next:1;
} GtkNotebook;
typedef struct _GtkIconFactory {
```

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```
    GObject parent_instance;
    GHashTable *icons;
} GtkIconFactory;
typedef struct _GtkRadioActionPrivate GtkRadioActionPrivate;
typedef struct _GtkRadioAction {
    GtkToggleAction parent;
    GtkRadioActionPrivate *private_data;
} GtkRadioAction;
typedef struct _GtkTextMark {
    GObject parent_instance;
    gpointer segment;
} GtkTextMark;
typedef enum {
    GTK_PACK_START = 0,
    GTK_PACK_END = 1
} GtkPackType;
typedef struct _GtkVBox {
    GtkBox box;
} GtkVBox;
typedef struct _GtkColorSelection {
    GtkVBox parent_instance;
    gpointer private_data;
} GtkColorSelection;
typedef enum {
    GTK_CALENDAR_SHOW_HEADING = 1,
    GTK_CALENDAR_SHOW_DAY_NAMES = 2,
    GTK_CALENDAR_NO_MONTH_CHANGE = 4,
    GTK_CALENDAR_SHOW_WEEK_NUMBERS = 8,
    GTK_CALENDAR_WEEK_START_MONDAY = 16
} GtkCalendarDisplayOptions;
typedef struct _GtkCalendar {
    GtkWidget widget;
    GtkStyle *header_style;
    GtkStyle *label_style;
    gint month;
    gint year;
    gint selected_day;
    gint day_month[6][7];
    gint day[6][7];
    gint num_marked_dates;
    gint marked_date[31];
    GtkCalendarDisplayOptions display_flags;
    GdkColor marked_date_color[31];
    GdkGC *gc;
    GdkGC *xor_gc;
    gint focus_row;
    gint focus_col;
    gint highlight_row;
    gint highlight_col;
    gpointer private_data;
    gchar grow_space[32];
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkCalendar;
typedef struct _GtkIconInfo GtkIconInfo;
typedef struct _GtkTreePath GtkTreePath;
typedef struct _GtkTreeDragSource GtkTreeDragSource;
typedef struct _GtkTableRowCol {
    guint16 requisition;
    guint16 allocation;
    guint16 spacing;
    guint need_expand:1;
    guint need_shrink:1;
    guint expand:1;
```

```
        guint shrink:1;
        guint empty:1;
    } GtkTableRowCol;
    typedef struct _GtkTable {
        GtkContainer container;
        GList *children;
        GtkTableRowCol *rows;
        GtkTableRowCol *cols;
        guint16 nrows;
        guint16 ncols;
        guint16 column_spacing;
        guint16 row_spacing;
        guint homogeneous:1;
    } GtkTable;
    typedef gboolean(*GtkFunction) (gpointer);
    typedef void (*GtkSignalFunc) (void);
    typedef struct _GtkArg GtkArg;
    typedef void (*GtkCallbackMarshal) (GtkObject *, gpointer, guint,
                                        GtkArg *);
    typedef struct _GtkMenuShell {
        GtkContainer container;
        GList *children;
        GtkWidget *active_menu_item;
        GtkWidget *parent_menu_shell;
        guint button;
        guint32 activate_time;
        guint active:1;
        guint have_grab:1;
        guint have_xgrab:1;
        guint ignore_leave:1;
        guint menu_flag:1;
        guint ignore_enter:1;
    } GtkMenuShell;
    typedef struct _GtkMenu {
        GtkMenuShell menu_shell;
        GtkWidget *parent_menu_item;
        GtkWidget *old_active_menu_item;
        GtkAccelGroup *accel_group;
        gchar *accel_path;
        GtkMenuPositionFunc position_func;
        gpointer position_func_data;
        guint toggle_size;
        GtkWidget *toplevel;
        GtkWidget *tearoff_window;
        GtkWidget *tearoff_hbox;
        GtkWidget *tearoff_scrollbar;
        GtkAdjustment *tearoff_adjustment;
        GdkWindow *view_window;
        GdkWindow *bin_window;
        gint scroll_offset;
        gint saved_scroll_offset;
        gint scroll_step;
        guint timeout_id;
        GdkRegion *navigation_region;
        guint navigation_timeout;
        guint needs_destruction_ref_count:1;
        guint torn_off:1;
        guint tearoff_active:1;
        guint scroll_fast:1;
        guint upper_arrow_visible:1;
        guint lower_arrow_visible:1;
        guint upper_arrow_prelight:1;
        guint lower_arrow_prelight:1;
    } GtkMenu;
    typedef void (*GtkMenuPositionFunc) (GtkMenu *, gint *, gint *,
    gboolean *,
```

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```
                                        gpointer);
typedef struct _GtkButton {
    GtkBin bin;
    GdkWindow *event_window;
    gchar *label_text;
    guint activate_timeout;
    guint constructed:1;
    guint in_button:1;
    guint button_down:1;
    guint relief:2;
    guint use_underline:1;
    guint use_stock:1;
    guint depressed:1;
    guint depress_on_activate:1;
    guint focus_on_click:1;
} GtkButton;
typedef struct _GtkToggleButton {
    GtkButton button;
    guint active:1;
    guint draw_indicator:1;
    guint inconsistent:1;
} GtkToggleButton;
typedef struct _GtkIconThemePrivate GtkIconThemePrivate;
typedef struct _GtkIconTheme {
    GObject parent_instance;
    GtkIconThemePrivate *priv;
} GtkIconTheme;
typedef enum {
    GTK_ARROW_UP = 0,
    GTK_ARROW_DOWN = 1,
    GTK_ARROW_LEFT = 2,
    GTK_ARROW_RIGHT = 3
} GtkArrowType;
typedef enum {
    GTK_SHADOW_NONE = 0,
    GTK_SHADOW_IN = 1,
    GTK_SHADOW_OUT = 2,
    GTK_SHADOW_ETCHED_IN = 3,
    GTK_SHADOW_ETCHED_OUT = 4
} GtkShadowType;
typedef struct _GtkTextWindow GtkTextWindow;
typedef struct _GtkTextPendingScroll GtkTextPendingScroll;
typedef struct _GtkTextView {
    GtkContainer parent_instance;
    struct _GtkTextLayout *layout;
    GtkTextBuffer *buffer;
    guint selection_drag_handler;
    guint scroll_timeout;
    gint pixels_above_lines;
    gint pixels_below_lines;
    gint pixels_inside_wrap;
    GtkWrapMode wrap_mode;
    GtkJustification justify;
    gint left_margin;
    gint right_margin;
    gint indent;
    PangoTabArray *tabs;
    guint editable:1;
    guint overwrite_mode:1;
    guint cursor_visible:1;
    guint need_im_reset:1;
    guint accepts_tab:1;
    guint reserved:1;
    guint onscreen_validated:1;
    guint mouse_cursor_obscured:1;
    GtkTextWindow *text_window;
```

```
    GtkTextWindow *left_window;
    GtkTextWindow *right_window;
    GtkTextWindow *top_window;
    GtkTextWindow *bottom_window;
    GtkAdjustment *hadjustment;
    GtkAdjustment *vadjustment;
    gint xoffset;
    gint yoffset;
    gint width;
    gint height;
    gint virtual_cursor_x;
    gint virtual_cursor_y;
    GtkTextMark *first_para_mark;
    gint first_para_pixels;
    GtkTextMark *dnd_mark;
    guint blink_timeout;
    guint first_validate_idle;
    guint incremental_validate_idle;
    GtkIMContext *im_context;
    GtkWidget *popup_menu;
    gint drag_start_x;
    gint drag_start_y;
    GSList *children;
    GtkTextPendingScroll *pending_scroll;
    gint pending_place_cursor_button;
} GtkTextView;
typedef enum {
    GTK_TEXT_WINDOW_PRIVATE = 0,
    GTK_TEXT_WINDOW_WIDGET = 1,
    GTK_TEXT_WINDOW_TEXT = 2,
    GTK_TEXT_WINDOW_LEFT = 3,
    GTK_TEXT_WINDOW_RIGHT = 4,
    GTK_TEXT_WINDOW_TOP = 5,
    GTK_TEXT_WINDOW_BOTTOM = 6
} GtkTextWindowType;
typedef struct _GtkObjectClass {
    GObjectClass parent_class;
    void (*set_arg) (GtkObject *, GtkArg *, guint);
    void (*get_arg) (GtkObject *, GtkArg *, guint);
    void (*destroy) (GtkObject *);
} GtkObjectClass;
typedef enum {
    GTK_DIR_TAB_FORWARD = 0,
    GTK_DIR_TAB_BACKWARD = 1,
    GTK_DIR_UP = 2,
    GTK_DIR_DOWN = 3,
    GTK_DIR_LEFT = 4,
    GTK_DIR_RIGHT = 5
} GtkDirectionType;
typedef enum {
    GTK_WIDGET_HELP_TOOLTIP = 0,
    GTK_WIDGET_HELP_WHATS_THIS = 1
} GtkWidgetHelpType;
typedef struct _GtkWidgetClass {
    GtkObjectClass parent_class;
    guint activate_signal;
    guint set_scroll_adjustments_signal;
    void   (*dispatch_child_properties_changed)   (GtkWidget   *,
guint,
                                                   GParamSpec * *);
    void (*show) (GtkWidget *);
    void (*show_all) (GtkWidget *);
    void (*hide) (GtkWidget *);
    void (*hide_all) (GtkWidget *);
    void (*map) (GtkWidget *);
    void (*unmap) (GtkWidget *);
```

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```
    void (*realize) (GtkWidget *);
    void (*unrealize) (GtkWidget *);
    void (*size_request) (GtkWidget *, GtkRequisition *);
    void (*size_allocate) (GtkWidget *, GtkAllocation *);
    void (*state_changed) (GtkWidget *, GtkStateType);
    void (*parent_set) (GtkWidget *, GtkWidget *);
    void (*hierarchy_changed) (GtkWidget *, GtkWidget *);
    void (*style_set) (GtkWidget *, GtkStyle *);
    void (*direction_changed) (GtkWidget *, GtkTextDirection);
    void (*grab_notify) (GtkWidget *, gboolean);
    void (*child_notify) (GtkWidget *, GParamSpec *);
     gboolean(*mnemonic_activate) (GtkWidget *, gboolean);
    void (*grab_focus) (GtkWidget *);
     gboolean(*focus) (GtkWidget *, GtkDirectionType);
     gboolean(*event) (GtkWidget *, GdkEvent *);
     gboolean(*button_press_event)  (GtkWidget  *,  GdkEventButton
*);
     gboolean(*button_release_event) (GtkWidget *, GdkEventButton
*);
     gboolean(*scroll_event) (GtkWidget *, GdkEventScroll *);
     gboolean(*motion_notify_event)  (GtkWidget  *,  GdkEventMotion
*);
     gboolean(*delete_event) (GtkWidget *, GdkEventAny *);
     gboolean(*destroy_event) (GtkWidget *, GdkEventAny *);
     gboolean(*expose_event) (GtkWidget *, GdkEventExpose *);
     gboolean(*key_press_event) (GtkWidget *, GdkEventKey *);
     gboolean(*key_release_event) (GtkWidget *, GdkEventKey *);
     gboolean(*enter_notify_event) (GtkWidget *, GdkEventCrossing
*);
     gboolean(*leave_notify_event) (GtkWidget *, GdkEventCrossing
*);
     gboolean(*configure_event)  (GtkWidget  *,  GdkEventConfigure
*);
     gboolean(*focus_in_event) (GtkWidget *, GdkEventFocus *);
     gboolean(*focus_out_event) (GtkWidget *, GdkEventFocus *);
     gboolean(*map_event) (GtkWidget *, GdkEventAny *);
     gboolean(*unmap_event) (GtkWidget *, GdkEventAny *);
     gboolean(*property_notify_event)        (GtkWidget        *,
GdkEventProperty *);
     gboolean(*selection_clear_event)        (GtkWidget        *,
GdkEventSelection *);
     gboolean(*selection_request_event)       (GtkWidget       *,
GdkEventSelection *);
     gboolean(*selection_notify_event)        (GtkWidget        *,
GdkEventSelection *);
     gboolean(*proximity_in_event)          (GtkWidget          *,
GdkEventProximity *);
     gboolean(*proximity_out_event)         (GtkWidget         *,
GdkEventProximity *);
     gboolean(*visibility_notify_event) (GtkWidget *,
                                        GdkEventVisibility *);
     gboolean(*client_event) (GtkWidget *, GdkEventClient *);
     gboolean(*no_expose_event) (GtkWidget *, GdkEventAny *);
     gboolean(*window_state_event)          (GtkWidget          *,
GdkEventWindowState *);
    void  (*selection_get)  (GtkWidget  *,  GtkSelectionData  *,
guint, guint);
    void (*selection_received) (GtkWidget *, GtkSelectionData *,
guint);
    void (*drag_begin) (GtkWidget *, GdkDragContext *);
    void (*drag_end) (GtkWidget *, GdkDragContext *);
    void (*drag_data_get) (GtkWidget *, GdkDragContext *,
                           GtkSelectionData *, guint, guint);
    void (*drag_data_delete) (GtkWidget *, GdkDragContext *);
    void (*drag_leave) (GtkWidget *, GdkDragContext *, guint);
```

```
     gboolean(*drag_motion) (GtkWidget *, GdkDragContext *, gint,
gint,
                              guint);
     gboolean(*drag_drop) (GtkWidget *, GdkDragContext *, gint,
gint,
                            guint);
    void (*drag_data_received) (GtkWidget *, GdkDragContext *,
gint, gint,
                                GtkSelectionData     *,     guint,
guint);
     gboolean(*popup_menu) (GtkWidget *);
     gboolean(*show_help) (GtkWidget *, GtkWidgetHelpType);
    AtkObject *(*get_accessible) (GtkWidget *);
    void (*screen_changed) (GtkWidget *, GdkScreen *);
     gboolean(*can_activate_accel) (GtkWidget *, guint);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
    void (*_gtk_reserved5) (void);
    void (*_gtk_reserved6) (void);
    void (*_gtk_reserved7) (void);
} GtkWidgetClass;
typedef gboolean(*GtkRcPropertyParser) (const GParamSpec *,
                                        const GString *, GValue
*);
typedef enum {
    GTK_IMAGE_EMPTY = 0,
    GTK_IMAGE_PIXMAP = 1,
    GTK_IMAGE_IMAGE = 2,
    GTK_IMAGE_PIXBUF = 3,
    GTK_IMAGE_STOCK = 4,
    GTK_IMAGE_ICON_SET = 5,
    GTK_IMAGE_ANIMATION = 6,
    GTK_IMAGE_ICON_NAME = 7
} GtkImageType;
typedef struct _GtkImagePixmapData {
    GdkPixmap *pixmap;
} GtkImagePixmapData;
typedef struct _GtkImageImageData {
    GdkImage *image;
} GtkImageImageData;
typedef struct _GtkImagePixbufData {
    GdkPixbuf *pixbuf;
} GtkImagePixbufData;
typedef struct _GtkImageStockData {
    gchar *stock_id;
} GtkImageStockData;
typedef struct _GtkImageIconSetData {
    GtkIconSet *icon_set;
} GtkImageIconSetData;
typedef struct _GtkImageAnimationData {
    GdkPixbufAnimation *anim;
    GdkPixbufAnimationIter *iter;
    guint frame_timeout;
} GtkImageAnimationData;
typedef struct _GtkImageIconNameData {
    gchar *icon_name;
    GdkPixbuf *pixbuf;
    guint theme_change_id;
} GtkImageIconNameData;
typedef enum {
    GTK_ICON_SIZE_INVALID = 0,
    GTK_ICON_SIZE_MENU = 1,
    GTK_ICON_SIZE_SMALL_TOOLBAR = 2,
    GTK_ICON_SIZE_LARGE_TOOLBAR = 3,
    GTK_ICON_SIZE_BUTTON = 4,
```

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```
    GTK_ICON_SIZE_DND = 5,
    GTK_ICON_SIZE_DIALOG = 6
} GtkIconSize;
typedef struct _GtkImage {
    GtkMisc misc;
    GtkImageType storage_type;
    union {
        GtkImagePixmapData pixmap;
        GtkImageImageData image;
        GtkImagePixbufData pixbuf;
        GtkImageStockData stock;
        GtkImageIconSetData icon_set;
        GtkImageAnimationData anim;
        GtkImageIconNameData name;
    } data;
    GdkBitmap *mask;
    GtkIconSize icon_size;
} GtkImage;
typedef struct _GtkTreeViewPrivate GtkTreeViewPrivate;
typedef struct _GtkTreeView {
    GtkContainer parent;
    GtkTreeViewPrivate *priv;
} GtkTreeView;
typedef enum {
    GTK_UPDATE_ALWAYS = 0,
    GTK_UPDATE_IF_VALID = 1
} GtkSpinButtonUpdatePolicy;
typedef struct _GtkSpinButton {
    GtkEntry entry;
    GtkAdjustment *adjustment;
    GdkWindow *panel;
    guint32 timer;
    gdouble climb_rate;
    gdouble timer_step;
    GtkSpinButtonUpdatePolicy update_policy;
    guint in_child:2;
    guint click_child:2;
    guint button:2;
    guint need_timer:1;
    guint timer_calls:3;
    guint digits:10;
    guint numeric:1;
    guint wrap:1;
    guint snap_to_ticks:1;
} GtkSpinButton;
typedef struct _GtkCellLayout GtkCellLayout;
typedef struct _GtkFileSelection {
    GtkDialog parent_instance;
    GtkWidget *dir_list;
    GtkWidget *file_list;
    GtkWidget *selection_entry;
    GtkWidget *selection_text;
    GtkWidget *main_vbox;
    GtkWidget *ok_button;
    GtkWidget *cancel_button;
    GtkWidget *help_button;
    GtkWidget *history_pulldown;
    GtkWidget *history_menu;
    GList *history_list;
    GtkWidget *fileop_dialog;
    GtkWidget *fileop_entry;
    gchar *fileop_file;
    gpointer cmpl_state;
    GtkWidget *fileop_c_dir;
    GtkWidget *fileop_del_file;
    GtkWidget *fileop_ren_file;
```

```
    GtkWidget *button_area;
    GtkWidget *action_area;
    GPtrArray *selected_names;
    gchar *last_selected;
} GtkFileSelection;
typedef struct _GtkTooltips {
    GtkObject parent_instance;
    GtkWidget *tip_window;
    GtkWidget *tip_label;
    GtkTooltipsData *active_tips_data;
    GList *tips_data_list;
    guint delay:30;
    guint enabled:1;
    guint have_grab:1;
    guint use_sticky_delay:1;
    gint timer_tag;
    GTimeVal last_popdown;
} GtkTooltips;
typedef struct _GtkTooltipsData {
    GtkTooltips *tooltips;
    GtkWidget *widget;
    gchar *tip_text;
    gchar *tip_private;
} GtkTooltipsData;
typedef gboolean(*GtkTreeViewRowSeparatorFunc) (GtkTreeModel *,
                                                GtkTreeIter     *,
gpointer);
typedef             struct             _GtkEntryCompletionPrivate
GtkEntryCompletionPrivate;
typedef struct _GtkEntryCompletion {
    GObject parent_instance;
    GtkEntryCompletionPrivate *priv;
} GtkEntryCompletion;
typedef struct _GtkClipboard GtkClipboard;
typedef             struct             _GtkTreeModelFilterPrivate
GtkTreeModelFilterPrivate;
typedef struct _GtkTreeModelFilter {
    GObject parent;
    GtkTreeModelFilterPrivate *priv;
} GtkTreeModelFilter;
typedef struct _GtkTreeModelSort {
    GObject parent;
    gpointer root;
    gint stamp;
    guint child_flags;
    GtkTreeModel *child_model;
    gint zero_ref_count;
    GList *sort_list;
    gint sort_column_id;
    GtkSortType order;
    GtkTreeIterCompareFunc default_sort_func;
    gpointer default_sort_data;
    GtkDestroyNotify default_sort_destroy;
    guint changed_id;
    guint inserted_id;
    guint has_child_toggled_id;
    guint deleted_id;
    guint reordered_id;
} GtkTreeModelSort;
typedef void (*GtkTreeCellDataFunc) (GtkTreeViewColumn *,
                                     GtkCellRenderer            *,
GtkTreeModel *,
                                     GtkTreeIter *, gpointer);
typedef struct _GtkColorButtonPrivate GtkColorButtonPrivate;
typedef struct _GtkColorButton {
    GtkButton button;
```

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```
    GtkColorButtonPrivate *priv;
} GtkColorButton;
typedef enum {
    GTK_FILE_CHOOSER_ACTION_OPEN = 0,
    GTK_FILE_CHOOSER_ACTION_SAVE = 1,
    GTK_FILE_CHOOSER_ACTION_SELECT_FOLDER = 2,
    GTK_FILE_CHOOSER_ACTION_CREATE_FOLDER = 3
} GtkFileChooserAction;
typedef void (*GtkCallback) (GtkWidget *, gpointer);
typedef struct _GtkHandleBox {
    GtkBin bin;
    GdkWindow *bin_window;
    GdkWindow *float_window;
    GtkShadowType shadow_type;
    guint handle_position:2;
    guint float_window_mapped:1;
    guint child_detached:1;
    guint in_drag:1;
    guint shrink_on_detach:1;
    int snap_edge:3;
    gint deskoff_x;
    gint deskoff_y;
    GtkAllocation attach_allocation;
    GtkAllocation float_allocation;
} GtkHandleBox;
typedef enum {
    GTK_SELECTION_NONE = 0,
    GTK_SELECTION_SINGLE = 1,
    GTK_SELECTION_BROWSE = 2,
    GTK_SELECTION_MULTIPLE = 3,
    GTK_SELECTION_EXTENDED = 3
} GtkSelectionMode;
typedef struct _GtkActionGroupPrivate GtkActionGroupPrivate;
typedef struct _GtkActionGroup {
    GObject parent;
    GtkActionGroupPrivate *private_data;
} GtkActionGroup;
typedef struct _GtkBindingSet {
    gchar *set_name;
    gint priority;
    GSList *widget_path_pspecs;
    GSList *widget_class_pspecs;
    GSList *class_branch_pspecs;
    GtkBindingEntry *entries;
    GtkBindingEntry *current;
    guint parsed:1;
} GtkBindingSet;
typedef struct _GtkBindingEntry {
    guint keyval;
    GdkModifierType modifiers;
    GtkBindingSet *binding_set;
    guint destroyed:1;
    guint in_emission:1;
    GtkBindingEntry *set_next;
    GtkBindingEntry *hash_next;
    GtkBindingSignal *signals;
} GtkBindingEntry;
typedef struct _GtkBindingSignal {
    GtkBindingSignal *next;
    gchar *signal_name;
    guint n_args;
    GtkBindingArg *args;
} GtkBindingSignal;
typedef struct _GtkBindingArg {
    GType arg_type;
    union {
```

```
            glong long_data;
            gdouble double_data;
            gchar *string_data;
        } d;
    } GtkBindingArg;
    typedef struct _GtkScrolledWindow {
        GtkBin container;
        GtkWidget *hscrollbar;
        GtkWidget *vscrollbar;
        guint hscrollbar_policy:2;
        guint vscrollbar_policy:2;
        guint hscrollbar_visible:1;
        guint vscrollbar_visible:1;
        guint window_placement:2;
        guint focus_out:1;
        guint16 shadow_type;
    } GtkScrolledWindow;
    typedef enum {
        GTK_CORNER_TOP_LEFT = 0,
        GTK_CORNER_BOTTOM_LEFT = 1,
        GTK_CORNER_TOP_RIGHT = 2,
        GTK_CORNER_BOTTOM_RIGHT = 3
    } GtkCornerType;
    typedef struct _GtkFrame {
        GtkBin bin;
        GtkWidget *label_widget;
        gint16 shadow_type;
        gfloat label_xalign;
        gfloat label_yalign;
        GtkAllocation child_allocation;
    } GtkFrame;
    typedef struct _GtkTextChildAnchor {
        GObject parent_instance;
        gpointer segment;
    } GtkTextChildAnchor;
    typedef            struct            _GtkSeparatorToolItemPrivate
    GtkSeparatorToolItemPrivate;
    typedef struct _GtkSeparatorToolItem {
        GtkToolItem parent;
        GtkSeparatorToolItemPrivate *priv;
    } GtkSeparatorToolItem;
    typedef struct _GtkTreeSelection {
        GObject parent;
        GtkTreeView *tree_view;
        GtkSelectionMode type;
        GtkTreeSelectionFunc user_func;
        gpointer user_data;
        GtkDestroyNotify destroy;
    } GtkTreeSelection;
    typedef gboolean(*GtkTreeSelectionFunc) (GtkTreeSelection *,
                                             GtkTreeModel           *,
    GtkTreePath *,
                                             gboolean, gpointer);
    typedef struct _GtkExpanderPrivate GtkExpanderPrivate;
    typedef struct _GtkExpander {
        GtkBin bin;
        GtkExpanderPrivate *priv;
    } GtkExpander;
    typedef enum {
        GTK_POS_LEFT = 0,
        GTK_POS_RIGHT = 1,
        GTK_POS_TOP = 2,
        GTK_POS_BOTTOM = 3
    } GtkPositionType;
    typedef enum {
        GTK_UI_MANAGER_AUTO = 0,
```

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```
    GTK_UI_MANAGER_MENUBAR = 1,
    GTK_UI_MANAGER_MENU = 2,
    GTK_UI_MANAGER_TOOLBAR = 4,
    GTK_UI_MANAGER_PLACEHOLDER = 8,
    GTK_UI_MANAGER_POPUP = 16,
    GTK_UI_MANAGER_MENUITEM = 32,
    GTK_UI_MANAGER_TOOLITEM = 64,
    GTK_UI_MANAGER_SEPARATOR = 128,
    GTK_UI_MANAGER_ACCELERATOR = 256
} GtkUIManagerItemType;
typedef struct _GtkFontSelectionDialog {
    GtkDialog parent_instance;
    GtkWidget *fontsel;
    GtkWidget *main_vbox;
    GtkWidget *action_area;
    GtkWidget *ok_button;
    GtkWidget *apply_button;
    GtkWidget *cancel_button;
    gint dialog_width;
    gboolean auto_resize;
} GtkFontSelectionDialog;
typedef struct _GtkPanedPrivate GtkPanedPrivate;
typedef struct _GtkPaned {
    GtkContainer container;
    GtkWidget *child1;
    GtkWidget *child2;
    GdkWindow *handle;
    GdkGC *xor_gc;
    GdkCursorType cursor_type;
    GdkRectangle handle_pos;
    gint child1_size;
    gint last_allocation;
    gint min_position;
    gint max_position;
    guint position_set:1;
    guint in_drag:1;
    guint child1_shrink:1;
    guint child1_resize:1;
    guint child2_shrink:1;
    guint child2_resize:1;
    guint orientation:1;
    guint in_recursion:1;
    guint handle_prelit:1;
    GtkWidget *last_child1_focus;
    GtkWidget *last_child2_focus;
    GtkPanedPrivate *priv;
    gint drag_pos;
    gint original_position;
} GtkPaned;
typedef struct _GtkViewport {
    GtkBin bin;
    GtkShadowType shadow_type;
    GdkWindow *view_window;
    GdkWindow *bin_window;
    GtkAdjustment *hadjustment;
    GtkAdjustment *vadjustment;
} GtkViewport;
typedef struct _GtkScale {
    GtkRange range;
    gint digits;
    guint draw_value:1;
    guint value_pos:2;
} GtkScale;
typedef struct _GtkListStore {
    GObject parent;
    gint stamp;
```

```
    gpointer seq;
    gpointer _gtk_reserved1;
    GList *sort_list;
    gint n_columns;
    gint sort_column_id;
    GtkSortType order;
    GType *column_headers;
    gint length;
    GtkTreeIterCompareFunc default_sort_func;
    gpointer default_sort_data;
    GtkDestroyNotify default_sort_destroy;
    guint columns_dirty:1;
} GtkListStore;
typedef struct _GtkEditable GtkEditable;
typedef    void    (*GtkClipboardGetFunc)    (GtkClipboard    *,
GtkSelectionData *,
                                        guint, gpointer);
typedef void (*GtkClipboardClearFunc) (GtkClipboard *, gpointer);
typedef struct _GtkRadioActionEntry {
    const gchar *name;
    const gchar *stock_id;
    const gchar *label;
    const gchar *accelerator;
    const gchar *tooltip;
    gint value;
} GtkRadioActionEntry;
typedef gboolean(*GtkTreeViewColumnDropFunc) (GtkTreeView *,
                                              GtkTreeViewColumn
*,
                                              GtkTreeViewColumn
*,
                                              GtkTreeViewColumn
*,
                                              gpointer);
typedef struct _GtkEventBox {
    GtkBin bin;
} GtkEventBox;
typedef struct _GtkTreeDragDest GtkTreeDragDest;
typedef struct _GtkToggleActionEntry {
    const gchar *name;
    const gchar *stock_id;
    const gchar *label;
    const gchar *accelerator;
    const gchar *tooltip;
    GCallback callback;
    gboolean is_active;
} GtkToggleActionEntry;
typedef struct _GtkAccelLabel {
    GtkLabel label;
    guint gtk_reserved;
    guint accel_padding;
    GtkWidget *accel_widget;
    GClosure *accel_closure;
    GtkAccelGroup *accel_group;
    gchar *accel_string;
    guint16 accel_string_width;
} GtkAccelLabel;
typedef struct _GtkImageMenuItem {
    GtkMenuItem menu_item;
    GtkWidget *image;
} GtkImageMenuItem;
typedef struct _GtkPlug {
    GtkWindow window;
    GdkWindow *socket_window;
    GtkWidget *modality_window;
    GtkWindowGroup *modality_group;
```

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```
    GHashTable *grabbed_keys;
    guint same_app:1;
} GtkPlug;
typedef            struct            _GtkFileChooserButtonPrivate
GtkFileChooserButtonPrivate;
typedef struct _GtkFileChooserButton {
    GtkHBox parent;
    GtkFileChooserButtonPrivate *priv;
} GtkFileChooserButton;
typedef struct _GtkStockItem {
    gchar *stock_id;
    gchar *label;
    GdkModifierType modifier;
    guint keyval;
    gchar *translation_domain;
} GtkStockItem;
typedef gchar *(*GtkTranslateFunc) (const gchar *, gpointer);
typedef enum {
    GTK_TOOLBAR_ICONS = 0,
    GTK_TOOLBAR_TEXT = 1,
    GTK_TOOLBAR_BOTH = 2,
    GTK_TOOLBAR_BOTH_HORIZ = 3
} GtkToolbarStyle;
typedef struct _GtkToolbar {
    GtkContainer container;
    gint num_children;
    GList *children;
    GtkOrientation orientation;
    GtkToolbarStyle style;
    GtkIconSize icon_size;
    GtkTooltips *tooltips;
    gint button_maxw;
    gint button_maxh;
    guint style_set_connection;
    guint icon_size_connection;
    guint style_set:1;
    guint icon_size_set:1;
} GtkToolbar;
typedef   void   (*GtkCellLayoutDataFunc)   (GtkCellLayout   *,
GtkCellRenderer *,
                                        GtkTreeModel            *,
GtkTreeIter *,
                                        gpointer);
typedef struct _GtkCellRendererToggle {
    GtkCellRenderer parent;
    guint active:1;
    guint activatable:1;
    guint radio:1;
} GtkCellRendererToggle;
typedef enum {
    GTK_RELIEF_NORMAL = 0,
    GTK_RELIEF_HALF = 1,
    GTK_RELIEF_NONE = 2
} GtkReliefStyle;
typedef  void  (*GtkClipboardImageReceivedFunc)  (GtkClipboard  *,
GdkPixbuf *,
                                                  gpointer);
typedef enum {
    GTK_CELL_RENDERER_SELECTED = 1,
    GTK_CELL_RENDERER_PRELIT = 2,
    GTK_CELL_RENDERER_INSENSITIVE = 4,
    GTK_CELL_RENDERER_SORTED = 8,
    GTK_CELL_RENDERER_FOCUSED = 16
} GtkCellRendererState;
typedef struct _GtkActionEntry {
    const gchar *name;
```

```
    const gchar *stock_id;
    const gchar *label;
    const gchar *accelerator;
    const gchar *tooltip;
    GCallback callback;
} GtkActionEntry;
typedef struct _GtkCheckButton {
    GtkToggleButton toggle_button;
} GtkCheckButton;
typedef struct _GtkRadioButton {
    GtkCheckButton check_button;
    GSList *group;
} GtkRadioButton;
typedef struct _GtkAlignment {
    GtkBin bin;
    gfloat xalign;
    gfloat yalign;
    gfloat xscale;
    gfloat yscale;
} GtkAlignment;
typedef struct _GtkContainerClass {
    GtkWidgetClass parent_class;
    void (*add) (GtkContainer *, GtkWidget *);
    void (*remove) (GtkContainer *, GtkWidget *);
    void (*check_resize) (GtkContainer *);
    void  (*forall)  (GtkContainer  *,  gboolean,  GtkCallback,
gpointer);
    void (*set_focus_child) (GtkContainer *, GtkWidget *);
     GType(*child_type) (GtkContainer *);
    gchar *(*composite_name) (GtkContainer *, GtkWidget *);
    void  (*set_child_property)  (GtkContainer  *,  GtkWidget  *,
guint,
                                const GValue *, GParamSpec *);
    void  (*get_child_property)  (GtkContainer  *,  GtkWidget  *,
guint,
                                GValue *, GParamSpec *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkContainerClass;
typedef struct _GtkFontButtonPrivate GtkFontButtonPrivate;
typedef struct _GtkFontButton {
    GtkButton button;
    GtkFontButtonPrivate *priv;
} GtkFontButton;
typedef struct _GtkBorder {
    gint left;
    gint right;
    gint top;
    gint bottom;
} GtkBorder;
typedef struct _GtkMessageDialog {
    GtkDialog parent_instance;
    GtkWidget *image;
    GtkWidget *label;
} GtkMessageDialog;
typedef struct _GtkRulerMetric {
    gchar *metric_name;
    gchar *abbrev;
    gdouble pixels_per_unit;
    gdouble ruler_scale[10];
    gint subdivide[5];
} GtkRulerMetric;
typedef struct _GtkRuler {
    GtkWidget widget;
```

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```
    GdkPixmap *backing_store;
    GdkGC *non_gr_exp_gc;
    GtkRulerMetric *metric;
    gint xsrc;
    gint ysrc;
    gint slider_size;
    gdouble lower;
    gdouble upper;
    gdouble position;
    gdouble max_size;
} GtkRuler;
typedef enum {
    GTK_ACCEL_VISIBLE = 1,
    GTK_ACCEL_LOCKED = 2,
    GTK_ACCEL_MASK = 7
} GtkAccelFlags;
typedef gboolean(*GtkTextCharPredicate) (gunichar, gpointer);
typedef              struct              _GtkMenuToolButtonPrivate
GtkMenuToolButtonPrivate;
typedef struct _GtkMenuToolButton {
    GtkToolButton parent;
    GtkMenuToolButtonPrivate *priv;
} GtkMenuToolButton;
typedef             struct             _GtkToggleToolButtonPrivate
GtkToggleToolButtonPrivate;
typedef struct _GtkToggleToolButton {
    GtkToolButton parent;
    GtkToggleToolButtonPrivate *priv;
} GtkToggleToolButton;
typedef struct _GtkRadioToolButton {
    GtkToggleToolButton parent;
} GtkRadioToolButton;
typedef struct _GtkSizeGroup {
    GObject parent_instance;
    GSList *widgets;
    guint8 mode;
    guint have_width:1;
    guint have_height:1;
    GtkRequisition requisition;
} GtkSizeGroup;
typedef enum {
    GTK_SIZE_GROUP_NONE = 0,
    GTK_SIZE_GROUP_HORIZONTAL = 1,
    GTK_SIZE_GROUP_VERTICAL = 2,
    GTK_SIZE_GROUP_BOTH = 3
} GtkSizeGroupMode;
typedef enum {
    GTK_DIALOG_MODAL = 1,
    GTK_DIALOG_DESTROY_WITH_PARENT = 2,
    GTK_DIALOG_NO_SEPARATOR = 4
} GtkDialogFlags;
typedef  void  (*GtkTreeSelectionForeachFunc)  (GtkTreeModel  *,
GtkTreePath *,
                                                GtkTreeIter       *,
gpointer);
typedef enum {
    GTK_ICON_LOOKUP_NO_SVG = 1,
    GTK_ICON_LOOKUP_FORCE_SVG = 2,
    GTK_ICON_LOOKUP_USE_BUILTIN = 4
} GtkIconLookupFlags;
typedef  gboolean(*GtkTreeViewSearchEqualFunc)  (GtkTreeModel  *,
gint,
                                                   const gchar *,
                                                   GtkTreeIter      *,
gpointer);
typedef enum {
```

```
    GTK_PIXELS = 0,
    GTK_INCHES = 1,
    GTK_CENTIMETERS = 2
} GtkMetricType;
typedef struct _GtkIMContextSimple {
    GtkIMContext object;
    GSList *tables;
    guint compose_buffer[8];
    gunichar tentative_match;
    gint tentative_match_len;
    guint in_hex_sequence:1;
} GtkIMContextSimple;
typedef void (*GtkClipboardTargetsReceivedFunc) (GtkClipboard *,
GdkAtom *,
                                                 gint, gpointer);
typedef enum {
    GTK_EXPAND = 1,
    GTK_SHRINK = 2,
    GTK_FILL = 4
} GtkAttachOptions;
typedef struct _GtkFontSelection {
    GtkVBox parent_instance;
    GtkWidget *font_entry;
    GtkWidget *family_list;
    GtkWidget *font_style_entry;
    GtkWidget *face_list;
    GtkWidget *size_entry;
    GtkWidget *size_list;
    GtkWidget *pixels_button;
    GtkWidget *points_button;
    GtkWidget *filter_button;
    GtkWidget *preview_entry;
    PangoFontFamily *family;
    PangoFontFace *face;
    gint size;
    GdkFont *font;
} GtkFontSelection;
typedef void (*GtkClipboardTextReceivedFunc) (GtkClipboard *,
                                              const gchar *,
gpointer);
typedef gboolean(*GtkAccelGroupFindFunc) (GtkAccelKey *, GClosure
*,
                                          gpointer);
typedef void (*GtkTreeDestroyCountFunc) (GtkTreeView *,
GtkTreePath *,
                                         gint, gpointer);
typedef enum {
    GTK_TREE_VIEW_DROP_BEFORE = 0,
    GTK_TREE_VIEW_DROP_AFTER = 1,
    GTK_TREE_VIEW_DROP_INTO_OR_BEFORE = 2,
    GTK_TREE_VIEW_DROP_INTO_OR_AFTER = 3
} GtkTreeViewDropPosition;
typedef struct _GtkAspectFrame {
    GtkFrame frame;
    gfloat xalign;
    gfloat yalign;
    gfloat ratio;
    gboolean obey_child;
    GtkAllocation center_allocation;
} GtkAspectFrame;
typedef gboolean(*GtkFileFilterFunc) (const GtkFileFilterInfo *,
gpointer);
typedef struct _GtkIMMulticontextPrivate
GtkIMMulticontextPrivate;
typedef struct _GtkIMMulticontext {
    GtkIMContext object;
```

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```
    GtkIMContext *slave;
    GtkIMMulticontextPrivate *priv;
    const gchar *context_id;
} GtkIMMulticontext;
typedef enum {
    GTK_MESSAGE_INFO = 0,
    GTK_MESSAGE_WARNING = 1,
    GTK_MESSAGE_QUESTION = 2,
    GTK_MESSAGE_ERROR = 3
} GtkMessageType;
typedef enum {
    GTK_BUTTONS_NONE = 0,
    GTK_BUTTONS_OK = 1,
    GTK_BUTTONS_CLOSE = 2,
    GTK_BUTTONS_CANCEL = 3,
    GTK_BUTTONS_YES_NO = 4,
    GTK_BUTTONS_OK_CANCEL = 5
} GtkButtonsType;
typedef  void  (*GtkAccelMapForeach)  (gpointer,  const  gchar  *,
guint,
                                    GdkModifierType, gboolean);
typedef enum {
    GTK_POLICY_ALWAYS = 0,
    GTK_POLICY_AUTOMATIC = 1,
    GTK_POLICY_NEVER = 2
} GtkPolicyType;
typedef enum {
    GTK_RESIZE_PARENT = 0,
    GTK_RESIZE_QUEUE = 1,
    GTK_RESIZE_IMMEDIATE = 2
} GtkResizeMode;
typedef    void    (*GtkColorSelectionChangePaletteWithScreenFunc)
(GdkScreen *,

const

GdkColor *,

gint);
typedef void (*GtkClipboardReceivedFunc) (GtkClipboard *,
                                          GtkSelectionData      *,
gpointer);
typedef    void    (*GtkTreeViewMappingFunc)    (GtkTreeView    *,
GtkTreePath *,
                                        gpointer);
typedef gboolean(*GtkTreeModelFilterVisibleFunc) (GtkTreeModel *,
                                                  GtkTreeIter   *,
gpointer);
typedef enum {
    GTK_TEXT_SEARCH_VISIBLE_ONLY = 1,
    GTK_TEXT_SEARCH_TEXT_ONLY = 2
} GtkTextSearchFlags;
typedef struct _GtkFixed {
    GtkContainer container;
    GList *children;
} GtkFixed;
typedef enum {
    GTK_DEST_DEFAULT_MOTION = 1,
    GTK_DEST_DEFAULT_HIGHLIGHT = 2,
    GTK_DEST_DEFAULT_DROP = 4,
    GTK_DEST_DEFAULT_ALL = 7
} GtkDestDefaults;
typedef  gint(*GtkKeySnoopFunc)  (GtkWidget  *,  GdkEventKey  *,
gpointer);
typedef enum {
    GTK_SPIN_STEP_FORWARD = 0,
```

```
    GTK_SPIN_STEP_BACKWARD = 1,
    GTK_SPIN_PAGE_FORWARD = 2,
    GTK_SPIN_PAGE_BACKWARD = 3,
    GTK_SPIN_HOME = 4,
    GTK_SPIN_END = 5,
    GTK_SPIN_USER_DEFINED = 6
} GtkSpinType;
typedef enum {
    GTK_WINDOW_TOPLEVEL = 0,
    GTK_WINDOW_POPUP = 1
} GtkWindowType;
typedef void (*GtkMenuDetachFunc) (GtkWidget *, GtkMenu *);
typedef struct _GtkInvisible {
    GtkWidget widget;
    gboolean has_user_ref_count;
    GdkScreen *screen;
} GtkInvisible;
typedef enum {
    GTK_WIN_POS_NONE = 0,
    GTK_WIN_POS_CENTER = 1,
    GTK_WIN_POS_MOUSE = 2,
    GTK_WIN_POS_CENTER_ALWAYS = 3,
    GTK_WIN_POS_CENTER_ON_PARENT = 4
} GtkWindowPosition;
typedef void (*GtkTextTagTableForeach) (GtkTextTag *, gpointer);
typedef                     gboolean(*GtkEntryCompletionMatchFunc)
(GtkEntryCompletion *,
                                                const gchar *,
                                                GtkTreeIter     *,
gpointer);
typedef struct _GtkAccessible {
    AtkObject parent;
    GtkWidget *widget;
} GtkAccessible;
typedef enum {
    GTK_EXPANDER_COLLAPSED = 0,
    GTK_EXPANDER_SEMI_COLLAPSED = 1,
    GTK_EXPANDER_SEMI_EXPANDED = 2,
    GTK_EXPANDER_EXPANDED = 3
} GtkExpanderStyle;
typedef enum {
    GTK_PATH_PRIO_LOWEST = 0,
    GTK_PATH_PRIO_GTK = 4,
    GTK_PATH_PRIO_APPLICATION = 8,
    GTK_PATH_PRIO_THEME = 10,
    GTK_PATH_PRIO_RC = 12,
    GTK_PATH_PRIO_HIGHEST = 15
} GtkPathPriorityType;
typedef struct _GtkArrow {
    GtkMisc misc;
    gint16 arrow_type;
    gint16 shadow_type;
} GtkArrow;
typedef    void    (*GtkIconViewForeachFunc)    (GtkIconView    *,
GtkTreePath *,
                                          gpointer);
typedef void (*GtkTreeModelFilterModifyFunc) (GtkTreeModel *,
                                                GtkTreeIter       *,
GValue *,
                                                gint, gpointer);
typedef struct _GtkCellRendererText {
    GtkCellRenderer parent;
    gchar *text;
    PangoFontDescription *font;
    gdouble font_scale;
    PangoColor foreground;
```

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```
    PangoColor background;
    PangoAttrList *extra_attrs;
    PangoUnderline underline_style;
    gint rise;
    gint fixed_height_rows;
    guint strikethrough:1;
    guint editable:1;
    guint scale_set:1;
    guint foreground_set:1;
    guint background_set:1;
    guint underline_set:1;
    guint rise_set:1;
    guint strikethrough_set:1;
    guint editable_set:1;
    guint calc_fixed_height:1;
} GtkCellRendererText;
typedef   gboolean(*GtkTreeModelForeachFunc)   (GtkTreeModel   *,
GtkTreePath *,
                                                GtkTreeIter        *,
gpointer);
typedef struct _GtkSettingsValue {
    gchar *origin;
    GValue value;
} GtkSettingsValue;
typedef enum {
    GTK_PATH_WIDGET = 0,
    GTK_PATH_WIDGET_CLASS = 1,
    GTK_PATH_CLASS = 2
} GtkPathType;
typedef struct _GtkAccelMap GtkAccelMap;
typedef struct _GtkBinClass {
    GtkContainerClass parent_class;
} GtkBinClass;
typedef struct _GtkWindowClass {
    GtkBinClass parent_class;
    void (*set_focus) (GtkWindow *, GtkWidget *);
     gboolean(*frame_event) (GtkWindow *, GdkEvent *);
    void (*activate_focus) (GtkWindow *);
    void (*activate_default) (GtkWindow *);
    void (*move_focus) (GtkWindow *, GtkDirectionType);
    void (*keys_changed) (GtkWindow *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkWindowClass;
typedef enum {
    GTK_SCROLL_NONE = 0,
    GTK_SCROLL_JUMP = 1,
    GTK_SCROLL_STEP_BACKWARD = 2,
    GTK_SCROLL_STEP_FORWARD = 3,
    GTK_SCROLL_PAGE_BACKWARD = 4,
    GTK_SCROLL_PAGE_FORWARD = 5,
    GTK_SCROLL_STEP_UP = 6,
    GTK_SCROLL_STEP_DOWN = 7,
    GTK_SCROLL_PAGE_UP = 8,
    GTK_SCROLL_PAGE_DOWN = 9,
    GTK_SCROLL_STEP_LEFT = 10,
    GTK_SCROLL_STEP_RIGHT = 11,
    GTK_SCROLL_PAGE_LEFT = 12,
    GTK_SCROLL_PAGE_RIGHT = 13,
    GTK_SCROLL_START = 14,
    GTK_SCROLL_END = 15
} GtkScrollType;
typedef struct _GtkRangeClass {
    GtkWidgetClass parent_class;
```

```
    gchar *slider_detail;
    gchar *stepper_detail;
    void (*value_changed) (GtkRange *);
    void (*adjust_bounds) (GtkRange *, gdouble);
    void (*move_slider) (GtkRange *, GtkScrollType);
    void (*get_range_border) (GtkRange *, GtkBorder *);
     gboolean(*change_value)    (GtkRange    *,    GtkScrollType,
gdouble);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
} GtkRangeClass;
typedef struct _GtkScaleClass {
    GtkRangeClass parent_class;
    gchar *(*format_value) (GtkScale *, gdouble);
    void (*draw_value) (GtkScale *);
    void (*get_layout_offsets) (GtkScale *, gint *, gint *);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkScaleClass;
typedef struct _GtkBoxClass {
    GtkContainerClass parent_class;
} GtkBoxClass;
typedef struct _GtkMiscClass {
    GtkWidgetClass parent_class;
} GtkMiscClass;
typedef struct _GtkHRuler {
    GtkRuler ruler;
} GtkHRuler;
typedef struct _GtkHBoxClass {
    GtkBoxClass parent_class;
} GtkHBoxClass;
typedef struct _GtkPanedClass {
    GtkContainerClass parent_class;
     gboolean(*cycle_child_focus) (GtkPaned *, gboolean);
     gboolean(*toggle_handle_focus) (GtkPaned *);
     gboolean(*move_handle) (GtkPaned *, GtkScrollType);
     gboolean(*cycle_handle_focus) (GtkPaned *, gboolean);
     gboolean(*accept_position) (GtkPaned *);
     gboolean(*cancel_position) (GtkPaned *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkPanedClass;
typedef struct _GtkHPanedClass {
    GtkPanedClass parent_class;
} GtkHPanedClass;
typedef struct _GtkSizeGroupClass {
    GObjectClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkSizeGroupClass;
typedef struct _GtkViewportClass {
    GtkBinClass parent_class;
    void (*set_scroll_adjustments) (GtkViewport *, GtkAdjustment
*,
                                    GtkAdjustment *);
} GtkViewportClass;
typedef enum {
    GTK_MOVEMENT_LOGICAL_POSITIONS = 0,
    GTK_MOVEMENT_VISUAL_POSITIONS = 1,
    GTK_MOVEMENT_WORDS = 2,
```

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```
    GTK_MOVEMENT_DISPLAY_LINES = 3,
    GTK_MOVEMENT_DISPLAY_LINE_ENDS = 4,
    GTK_MOVEMENT_PARAGRAPHS = 5,
    GTK_MOVEMENT_PARAGRAPH_ENDS = 6,
    GTK_MOVEMENT_PAGES = 7,
    GTK_MOVEMENT_BUFFER_ENDS = 8,
    GTK_MOVEMENT_HORIZONTAL_PAGES = 9
} GtkMovementStep;
typedef struct _GtkEditableClass {
    GTypeInterface base_iface;
    void (*insert_text) (GtkEditable *, const gchar *, gint, gint
*);
    void (*delete_text) (GtkEditable *, gint, gint);
    void (*changed) (GtkEditable *);
    void (*do_insert_text) (GtkEditable *, const gchar *, gint,
gint *);
    void (*do_delete_text) (GtkEditable *, gint, gint);
    gchar *(*get_chars) (GtkEditable *, gint, gint);
    void (*set_selection_bounds) (GtkEditable *, gint, gint);
     gboolean(*get_selection_bounds) (GtkEditable *, gint *, gint
*);
    void (*set_position) (GtkEditable *, gint);
     gint(*get_position) (GtkEditable *);
} GtkEditableClass;
typedef enum {
    GTK_NOTEBOOK_TAB_FIRST = 0,
    GTK_NOTEBOOK_TAB_LAST = 1
} GtkNotebookTab;
typedef struct _GtkDialogClass {
    GtkWindowClass parent_class;
    void (*response) (GtkDialog *, gint);
    void (*close) (GtkDialog *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkDialogClass;
typedef struct _GtkCellRendererPixbuf {
    GtkCellRenderer parent;
    GdkPixbuf *pixbuf;
    GdkPixbuf *pixbuf_expander_open;
    GdkPixbuf *pixbuf_expander_closed;
} GtkCellRendererPixbuf;
typedef struct _GtkTreeViewColumnClass {
    GtkObjectClass parent_class;
    void (*clicked) (GtkTreeViewColumn *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkTreeViewColumnClass;
typedef struct _GtkRulerClass {
    GtkWidgetClass parent_class;
    void (*draw_ticks) (GtkRuler *);
    void (*draw_pos) (GtkRuler *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkRulerClass;
typedef struct _GtkHRulerClass {
    GtkRulerClass parent_class;
} GtkHRulerClass;
typedef struct _GtkAccelMapClass GtkAccelMapClass;
typedef struct _GtkInvisibleClass {
    GtkWidgetClass parent_class;
```

```
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkInvisibleClass;
typedef struct _GtkVRulerClass {
    GtkRulerClass parent_class;
} GtkVRulerClass;
typedef struct _GtkToolItemClass {
    GtkBinClass parent_class;
     gboolean(*create_menu_proxy) (GtkToolItem *);
    void (*toolbar_reconfigured) (GtkToolItem *);
     gboolean(*set_tooltip) (GtkToolItem *, GtkTooltips *, const
gchar *,
                              const gchar *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkToolItemClass;
typedef struct _GtkWindowGroupClass {
    GObjectClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkWindowGroupClass;
typedef struct _GtkWidgetAuxInfo {
    gint x;
    gint y;
    gint width;
    gint height;
    guint x_set:1;
    guint y_set:1;
} GtkWidgetAuxInfo;
typedef struct _GtkItemClass {
    GtkBinClass parent_class;
    void (*select) (GtkItem *);
    void (*deselect) (GtkItem *);
    void (*toggle) (GtkItem *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkItemClass;
typedef struct _GtkMenuItemClass {
    GtkItemClass parent_class;
    guint hide_on_activate:1;
    void (*activate) (GtkMenuItem *);
    void (*activate_item) (GtkMenuItem *);
    void (*toggle_size_request) (GtkMenuItem *, gint *);
    void (*toggle_size_allocate) (GtkMenuItem *, gint);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkMenuItemClass;
typedef struct _GtkCheckMenuItemClass {
    GtkMenuItemClass parent_class;
    void (*toggled) (GtkCheckMenuItem *);
    void (*draw_indicator) (GtkCheckMenuItem *, GdkRectangle *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkCheckMenuItemClass;
```

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```
typedef struct _GtkRcProperty {
    GQuark type_name;
    GQuark property_name;
    gchar *origin;
    GValue value;
} GtkRcProperty;
typedef struct _GtkFontSelectionDialogClass {
    GtkDialogClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkFontSelectionDialogClass;
typedef struct _GtkFileChooserDialogPrivate
GtkFileChooserDialogPrivate;
typedef struct _GtkFileChooserDialog {
    GtkDialog parent_instance;
    GtkFileChooserDialogPrivate *priv;
} GtkFileChooserDialog;
typedef struct _GtkActionClass {
    GObjectClass parent_class;
    void (*activate) (GtkAction *);
    GType menu_item_type;
    GType toolbar_item_type;
    GtkWidget *(*create_menu_item) (GtkAction *);
    GtkWidget *(*create_tool_item) (GtkAction *);
    void (*connect_proxy) (GtkAction *, GtkWidget *);
    void (*disconnect_proxy) (GtkAction *, GtkWidget *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkActionClass;
typedef struct _GtkToggleActionClass {
    GtkActionClass parent_class;
    void (*toggled) (GtkToggleAction *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkToggleActionClass;
typedef struct _GtkVBoxClass {
    GtkBoxClass parent_class;
} GtkVBoxClass;
typedef struct _GtkButtonBoxClass {
    GtkBoxClass parent_class;
} GtkButtonBoxClass;
typedef struct _GtkHButtonBoxClass {
    GtkButtonBoxClass parent_class;
} GtkHButtonBoxClass;
typedef struct _GtkThemeEngine GtkThemeEngine;
typedef struct _GtkTreeStoreClass {
    GObjectClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkTreeStoreClass;
typedef struct _GtkBoxChild {
    GtkWidget *widget;
    guint16 padding;
    guint expand:1;
    guint fill:1;
    guint pack:1;
    guint is_secondary:1;
} GtkBoxChild;
```

```
typedef struct _GtkHButtonBox {
    GtkButtonBox button_box;
} GtkHButtonBox;
typedef struct _GtkAccelGroupClass {
    GObjectClass parent_class;
    void     (*accel_changed)     (GtkAccelGroup     *,     guint,
GdkModifierType,
                            GClosure *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkAccelGroupClass;
typedef struct _GtkSeparator {
    GtkWidget widget;
} GtkSeparator;
typedef struct _GtkButtonClass {
    GtkBinClass parent_class;
    void (*pressed) (GtkButton *);
    void (*released) (GtkButton *);
    void (*clicked) (GtkButton *);
    void (*enter) (GtkButton *);
    void (*leave) (GtkButton *);
    void (*activate) (GtkButton *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkButtonClass;
typedef void (*GtkWindowKeysForeachFunc) (GtkWindow *, guint,
                                          GdkModifierType,
gboolean,
                                          gpointer);
typedef struct _GtkIconFactoryClass {
    GObjectClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkIconFactoryClass;
typedef struct _GtkTreeSelectionClass {
    GObjectClass parent_class;
    void (*changed) (GtkTreeSelection *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkTreeSelectionClass;
typedef enum {
    GTK_MENU_DIR_PARENT = 0,
    GTK_MENU_DIR_CHILD = 1,
    GTK_MENU_DIR_NEXT = 2,
    GTK_MENU_DIR_PREV = 3
} GtkMenuDirectionType;
typedef struct _GtkMenuShellClass {
    GtkContainerClass parent_class;
    guint submenu_placement:1;
    void (*deactivate) (GtkMenuShell *);
    void (*selection_done) (GtkMenuShell *);
    void (*move_current) (GtkMenuShell *, GtkMenuDirectionType);
    void (*activate_current) (GtkMenuShell *, gboolean);
    void (*cancel) (GtkMenuShell *);
    void (*select_item) (GtkMenuShell *, GtkWidget *);
    void (*insert) (GtkMenuShell *, GtkWidget *, gint);
     gint(*get_popup_delay) (GtkMenuShell *);
    void (*_gtk_reserved1) (void);
```

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```
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
} GtkMenuShellClass;
typedef struct _GtkTreeDragSourceIface {
    GTypeInterface g_iface;
     gboolean(*row_draggable)  (GtkTreeDragSource  *,  GtkTreePath
*);
     gboolean(*drag_data_get)  (GtkTreeDragSource  *,  GtkTreePath
*,
                                GtkSelectionData *);
     gboolean(*drag_data_delete)       (GtkTreeDragSource       *,
GtkTreePath *);
} GtkTreeDragSourceIface;
typedef struct _GtkLabelClass {
    GtkMiscClass parent_class;
    void  (*move_cursor)  (GtkLabel  *,  GtkMovementStep,  gint,
gboolean);
    void (*copy_clipboard) (GtkLabel *);
    void (*populate_popup) (GtkLabel *, GtkMenu *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkLabelClass;
typedef struct _GtkScrollbar {
    GtkRange range;
} GtkScrollbar;
typedef struct _GtkWidgetShapeInfo {
    gint16 offset_x;
    gint16 offset_y;
    GdkBitmap *shape_mask;
} GtkWidgetShapeInfo;
typedef struct _GtkActionGroupClass {
    GObjectClass parent_class;
    GtkAction *(*get_action) (GtkActionGroup *, const gchar *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkActionGroupClass;
typedef struct _GtkSettingsClass {
    GObjectClass parent_class;
} GtkSettingsClass;
typedef struct _GtkIMContextClass {
    GtkObjectClass parent_class;
    void (*preedit_start) (GtkIMContext *);
    void (*preedit_end) (GtkIMContext *);
    void (*preedit_changed) (GtkIMContext *);
    void (*commit) (GtkIMContext *, const gchar *);
     gboolean(*retrieve_surrounding) (GtkIMContext *);
     gboolean(*delete_surrounding) (GtkIMContext *, gint, gint);
    void (*set_client_window) (GtkIMContext *, GdkWindow *);
    void (*get_preedit_string) (GtkIMContext *, gchar * *,
                                PangoAttrList * *, gint *);
     gboolean(*filter_keypress) (GtkIMContext *, GdkEventKey *);
    void (*focus_in) (GtkIMContext *);
    void (*focus_out) (GtkIMContext *);
    void (*reset) (GtkIMContext *);
    void (*set_cursor_location) (GtkIMContext *, GdkRectangle *);
    void (*set_use_preedit) (GtkIMContext *, gboolean);
    void (*set_surrounding) (GtkIMContext *, const gchar *, gint,
gint);
     gboolean(*get_surrounding) (GtkIMContext *, gchar * *, gint
*);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
```

```
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
    void (*_gtk_reserved5) (void);
    void (*_gtk_reserved6) (void);
} GtkIMContextClass;
typedef struct _GtkCellRendererClass {
    GtkObjectClass parent_class;
    void   (*get_size)   (GtkCellRenderer   *,   GtkWidget   *,
GdkRectangle *,
                      gint *, gint *, gint *, gint *);
    void  (*render)  (GtkCellRenderer  *,  GdkDrawable  *,  GtkWidget
*,
                    GdkRectangle  *,  GdkRectangle  *,  GdkRectangle
*,
                    GtkCellRendererState);
     gboolean(*activate)   (GtkCellRenderer   *,   GdkEvent   *,
GtkWidget *,
                         const   gchar   *,   GdkRectangle   *,
GdkRectangle *,
                         GtkCellRendererState);
    GtkCellEditable    *(*start_editing)    (GtkCellRenderer    *,
GdkEvent *,
                                        GtkWidget  *,  const  gchar
*,
                                        GdkRectangle            *,
GdkRectangle *,
                                        GtkCellRendererState);
    void (*editing_canceled) (GtkCellRenderer *);
    void  (*editing_started)  (GtkCellRenderer  *,  GtkCellEditable
*,
                             const gchar *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
} GtkCellRendererClass;
typedef struct _GtkToolButtonClass {
    GtkToolItemClass parent_class;
    GType button_type;
    void (*clicked) (GtkToolButton *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkToolButtonClass;
typedef struct _GtkMenuToolButtonClass {
    GtkToolButtonClass parent_class;
    void (*show_menu) (GtkMenuToolButton *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkMenuToolButtonClass;
typedef struct _GtkVSeparator {
    GtkSeparator separator;
} GtkVSeparator;
typedef struct _GtkDrawingAreaClass {
    GtkWidgetClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkDrawingAreaClass;
typedef struct _GtkTargetPair {
    GdkAtom target;
    guint flags;
    guint info;
} GtkTargetPair;
```

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```
typedef struct _GtkCellViewClass {
    GtkWidgetClass parent_class;
} GtkCellViewClass;
typedef struct _GtkCellLayoutIface {
    GTypeInterface g_iface;
    void  (*pack_start)  (GtkCellLayout  *,  GtkCellRenderer  *,
gboolean);
    void  (*pack_end)  (GtkCellLayout  *,  GtkCellRenderer  *,
gboolean);
    void (*clear) (GtkCellLayout *);
    void (*add_attribute) (GtkCellLayout *, GtkCellRenderer *,
                           const gchar *, gint);
    void (*set_cell_data_func) (GtkCellLayout *, GtkCellRenderer
*,
                                GtkCellLayoutDataFunc, gpointer,
                                GDestroyNotify);
    void  (*clear_attributes)  (GtkCellLayout  *,  GtkCellRenderer
*);
    void (*reorder) (GtkCellLayout *, GtkCellRenderer *, gint);
} GtkCellLayoutIface;
typedef struct _GtkAlignmentPrivate GtkAlignmentPrivate;
typedef struct _GtkFixedClass {
    GtkContainerClass parent_class;
} GtkFixedClass;
typedef struct _GtkHScaleClass {
    GtkScaleClass parent_class;
} GtkHScaleClass;
typedef struct _GtkScrollbarClass {
    GtkRangeClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkScrollbarClass;
typedef struct _GtkAccelLabelClass {
    GtkLabelClass parent_class;
    gchar *signal_quote1;
    gchar *signal_quote2;
    gchar *mod_name_shift;
    gchar *mod_name_control;
    gchar *mod_name_alt;
    gchar *mod_separator;
    gchar *accel_seperator;
    guint latin1_to_char:1;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkAccelLabelClass;
typedef void (*GtkModuleDisplayInitFunc) (GdkDisplay *);
typedef struct _GtkTextBufferClass {
    GObjectClass parent_class;
    void  (*insert_text)  (GtkTextBuffer  *,  GtkTextIter  *,  const
gchar *,
                           gint);
    void  (*insert_pixbuf)  (GtkTextBuffer  *,  GtkTextIter  *,
GdkPixbuf *);
    void (*insert_child_anchor) (GtkTextBuffer *, GtkTextIter *,
                                 GtkTextChildAnchor *);
    void  (*delete_range)  (GtkTextBuffer  *,  GtkTextIter  *,
GtkTextIter *);
    void (*changed) (GtkTextBuffer *);
    void (*modified_changed) (GtkTextBuffer *);
    void  (*mark_set)  (GtkTextBuffer  *,  const  GtkTextIter  *,
GtkTextMark *);
    void (*mark_deleted) (GtkTextBuffer *, GtkTextMark *);
```

```
    void  (*apply_tag)  (GtkTextBuffer  *,  GtkTextTag  *,  const
GtkTextIter *,
                        const GtkTextIter *);
    void  (*remove_tag)  (GtkTextBuffer  *,  GtkTextTag  *,  const
GtkTextIter *,
                         const GtkTextIter *);
    void (*begin_user_action) (GtkTextBuffer *);
    void (*end_user_action) (GtkTextBuffer *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
    void (*_gtk_reserved5) (void);
    void (*_gtk_reserved6) (void);
} GtkTextBufferClass;
typedef struct _GtkVRuler {
    GtkRuler ruler;
} GtkVRuler;
typedef struct _GtkSocketClass {
    GtkContainerClass parent_class;
    void (*plug_added) (GtkSocket *);
     gboolean(*plug_removed) (GtkSocket *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkSocketClass;
typedef struct _GtkIconThemeClass {
    GObjectClass parent_class;
    void (*changed) (GtkIconTheme *);
} GtkIconThemeClass;
typedef struct _GtkVPaned {
    GtkPaned paned;
} GtkVPaned;
typedef struct _GtkTableChild {
    GtkWidget *widget;
    guint16 left_attach;
    guint16 right_attach;
    guint16 top_attach;
    guint16 bottom_attach;
    guint16 xpadding;
    guint16 ypadding;
    guint xexpand:1;
    guint yexpand:1;
    guint xshrink:1;
    guint yshrink:1;
    guint xfill:1;
    guint yfill:1;
} GtkTableChild;
typedef struct _GtkArrowClass {
    GtkMiscClass parent_class;
} GtkArrowClass;
typedef struct _GtkHScrollbar {
    GtkScrollbar scrollbar;
} GtkHScrollbar;
typedef            struct            _GtkFileChooserWidgetPrivate
GtkFileChooserWidgetPrivate;
typedef struct _GtkFileChooserWidget {
    GtkVBox parent_instance;
    GtkFileChooserWidgetPrivate *priv;
} GtkFileChooserWidget;
typedef struct _GtkPlugClass {
    GtkWindowClass parent_class;
    void (*embedded) (GtkPlug *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
```

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```
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkPlugClass;
typedef struct _GtkCellRendererPixbufClass {
    GtkCellRendererClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkCellRendererPixbufClass;
typedef struct _GtkVButtonBoxClass {
    GtkButtonBoxClass parent_class;
} GtkVButtonBoxClass;
typedef struct _GtkTextChildAnchorClass {
    GObjectClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkTextChildAnchorClass;
typedef struct _GtkCellRendererCombo {
    GtkCellRendererText parent;
    GtkTreeModel *model;
    gint text_column;
    gboolean has_entry;
    guint focus_out_id;
} GtkCellRendererCombo;
typedef struct _GtkTreeModelIface {
    GTypeInterface g_iface;
    void   (*row_changed)   (GtkTreeModel   *,   GtkTreePath   *,
GtkTreeIter *);
    void   (*row_inserted)   (GtkTreeModel   *,   GtkTreePath   *,
GtkTreeIter *);
    void (*row_has_child_toggled) (GtkTreeModel *, GtkTreePath *,
                                   GtkTreeIter *);
    void (*row_deleted) (GtkTreeModel *, GtkTreePath *);
    void  (*rows_reordered)  (GtkTreeModel  *,  GtkTreePath  *,
GtkTreeIter *,
                              gint *);
     GtkTreeModelFlags(*get_flags) (GtkTreeModel *);
     gint(*get_n_columns) (GtkTreeModel *);
     GType(*get_column_type) (GtkTreeModel *, gint);
     gboolean(*get_iter)   (GtkTreeModel   *,   GtkTreeIter   *,
GtkTreePath *);
    GtkTreePath *(*get_path) (GtkTreeModel *, GtkTreeIter *);
    void  (*get_value)  (GtkTreeModel  *,  GtkTreeIter  *,  gint,
GValue *);
     gboolean(*iter_next) (GtkTreeModel *, GtkTreeIter *);
     gboolean(*iter_children) (GtkTreeModel *, GtkTreeIter *,
                               GtkTreeIter *);
     gboolean(*iter_has_child) (GtkTreeModel *, GtkTreeIter *);
     gint(*iter_n_children) (GtkTreeModel *, GtkTreeIter *);
     gboolean(*iter_nth_child) (GtkTreeModel *, GtkTreeIter *,
                                GtkTreeIter *, gint);
     gboolean(*iter_parent)  (GtkTreeModel  *,  GtkTreeIter  *,
GtkTreeIter *);
    void (*ref_node) (GtkTreeModel *, GtkTreeIter *);
    void (*unref_node) (GtkTreeModel *, GtkTreeIter *);
} GtkTreeModelIface;
typedef struct _GtkAccessibleClass {
    AtkObjectClass parent_class;
    void (*connect_widget_destroyed) (GtkAccessible *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
```

```
} GtkAccessibleClass;
typedef struct _GtkCellRendererTextClass {
    GtkCellRendererClass parent_class;
    void (*edited) (GtkCellRendererText *, const gchar *, const
gchar *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkCellRendererTextClass;
typedef struct _GtkVScaleClass {
    GtkScaleClass parent_class;
} GtkVScaleClass;
typedef struct _GtkCurveClass {
    GtkDrawingAreaClass parent_class;
    void (*curve_type_changed) (GtkCurve *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkCurveClass;
typedef struct _GtkSeparatorToolItemClass {
    GtkToolItemClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkSeparatorToolItemClass;
typedef struct _GtkStyleClass {
    GObjectClass parent_class;
    void (*realize) (GtkStyle *);
    void (*unrealize) (GtkStyle *);
    void (*copy) (GtkStyle *, GtkStyle *);
    GtkStyle *(*clone) (GtkStyle *);
    void (*init_from_rc) (GtkStyle *, GtkRcStyle *);
    void    (*set_background)    (GtkStyle    *,    GdkWindow    *,
GtkStateType);
    GdkPixbuf *(*render_icon) (GtkStyle *, const GtkIconSource *,
                               GtkTextDirection,     GtkStateType,
GtkIconSize,
                               GtkWidget *, const gchar *);
    void (*draw_hline) (GtkStyle *, GdkWindow *, GtkStateType,
                        GdkRectangle *, GtkWidget *, const gchar
*, gint,
                        gint, gint);
    void (*draw_vline) (GtkStyle *, GdkWindow *, GtkStateType,
                        GdkRectangle *, GtkWidget *, const gchar
*, gint,
                        gint, gint);
    void (*draw_shadow) (GtkStyle *, GdkWindow *, GtkStateType,
                         GtkShadowType, GdkRectangle *, GtkWidget
*,
                         const gchar *, gint, gint, gint, gint);
    void (*draw_polygon) (GtkStyle *, GdkWindow *, GtkStateType,
                          GtkShadowType,      GdkRectangle      *,
GtkWidget *,
                          const   gchar   *,   GdkPoint   *,   gint,
gboolean);
    void (*draw_arrow) (GtkStyle *, GdkWindow *, GtkStateType,
                        GtkShadowType, GdkRectangle *, GtkWidget
*,
                        const gchar *, GtkArrowType, gboolean,
gint, gint,
                        gint, gint);
    void (*draw_diamond) (GtkStyle *, GdkWindow *, GtkStateType,
```

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```
                          GtkShadowType,      GdkRectangle      *,
GtkWidget *,
                          const gchar *, gint, gint, gint, gint);
    void (*draw_string) (GtkStyle *, GdkWindow *, GtkStateType,
                         GdkRectangle *, GtkWidget *, const gchar
*, gint,
                         gint, const gchar *);
    void  (*draw_box)  (GtkStyle  *,  GdkWindow  *,  GtkStateType,
GtkShadowType,
                      GdkRectangle *, GtkWidget *, const gchar *,
gint,
                      gint, gint, gint);
    void (*draw_flat_box) (GtkStyle *, GdkWindow *, GtkStateType,
                           GtkShadowType,     GdkRectangle     *,
GtkWidget *,
                           const  gchar  *,  gint,  gint,  gint,
gint);
    void (*draw_check) (GtkStyle *, GdkWindow *, GtkStateType,
                        GtkShadowType,  GdkRectangle  *,  GtkWidget
*,
                        const gchar *, gint, gint, gint, gint);
    void (*draw_option) (GtkStyle *, GdkWindow *, GtkStateType,
                         GtkShadowType, GdkRectangle *, GtkWidget
*,
                         const gchar *, gint, gint, gint, gint);
    void  (*draw_tab)  (GtkStyle  *,  GdkWindow  *,  GtkStateType,
GtkShadowType,
                      GdkRectangle *, GtkWidget *, const gchar *,
gint,
                      gint, gint, gint);
    void   (*draw_shadow_gap)   (GtkStyle   *,   GdkWindow   *,
GtkStateType,
                           GtkShadowType,    GdkRectangle    *,
GtkWidget *,
                           const  gchar  *,  gint,  gint,  gint,
gint,
                           GtkPositionType, gint, gint);
    void (*draw_box_gap) (GtkStyle *, GdkWindow *, GtkStateType,
                          GtkShadowType,      GdkRectangle      *,
GtkWidget *,
                          const gchar *, gint, gint, gint, gint,
                          GtkPositionType, gint, gint);
    void   (*draw_extension)   (GtkStyle   *,   GdkWindow   *,
GtkStateType,
                            GtkShadowType,     GdkRectangle     *,
GtkWidget *,
                            const  gchar  *,  gint,  gint,  gint,
gint,
                            GtkPositionType);
    void (*draw_focus) (GtkStyle *, GdkWindow *, GtkStateType,
                        GdkRectangle *, GtkWidget *, const gchar
*, gint,
                        gint, gint, gint);
    void (*draw_slider) (GtkStyle *, GdkWindow *, GtkStateType,
                         GtkShadowType, GdkRectangle *, GtkWidget
*,
                         const gchar *, gint, gint, gint, gint,
                         GtkOrientation);
    void (*draw_handle) (GtkStyle *, GdkWindow *, GtkStateType,
                         GtkShadowType, GdkRectangle *, GtkWidget
*,
                         const gchar *, gint, gint, gint, gint,
                         GtkOrientation);
    void (*draw_expander) (GtkStyle *, GdkWindow *, GtkStateType,
                           GdkRectangle  *,  GtkWidget  *,  const
gchar *,
```

```
                                gint, gint, GtkExpanderStyle);
    void (*draw_layout) (GtkStyle *, GdkWindow *, GtkStateType,
gboolean,
                                GdkRectangle *, GtkWidget *, const gchar
*, gint,
                                gint, PangoLayout *);
    void (*draw_resize_grip) (GtkStyle *, GdkWindow *,
GtkStateType,
                                    GdkRectangle *, GtkWidget *, const
gchar *,
                                    GdkWindowEdge, gint, gint, gint,
gint);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
    void (*_gtk_reserved5) (void);
    void (*_gtk_reserved6) (void);
    void (*_gtk_reserved7) (void);
    void (*_gtk_reserved8) (void);
    void (*_gtk_reserved9) (void);
    void (*_gtk_reserved10) (void);
    void (*_gtk_reserved11) (void);
    void (*_gtk_reserved12) (void);
} GtkStyleClass;
typedef struct _GtkSeparatorMenuItemClass {
    GtkMenuItemClass parent_class;
} GtkSeparatorMenuItemClass;
typedef struct _GtkIMMulticontextClass {
    GtkIMContextClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkIMMulticontextClass;
typedef struct _GtkToggleToolButtonClass {
    GtkToolButtonClass parent_class;
    void (*toggled) (GtkToggleToolButton *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkToggleToolButtonClass;
typedef struct _GtkRadioToolButtonClass {
    GtkToggleToolButtonClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkRadioToolButtonClass;
typedef struct _GtkCellRendererProgressClass {
    GtkCellRendererClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkCellRendererProgressClass;
typedef struct _GtkVScrollbar {
    GtkScrollbar scrollbar;
} GtkVScrollbar;
typedef struct _GtkVPanedClass {
    GtkPanedClass parent_class;
} GtkVPanedClass;
typedef enum {
    GTK_SCROLL_STEPS = 0,
    GTK_SCROLL_PAGES = 1,
```

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```
    GTK_SCROLL_ENDS = 2,
    GTK_SCROLL_HORIZONTAL_STEPS = 3,
    GTK_SCROLL_HORIZONTAL_PAGES = 4,
    GTK_SCROLL_HORIZONTAL_ENDS = 5
} GtkScrollStep;
typedef struct _GtkToggleButtonClass {
    GtkButtonClass parent_class;
    void (*toggled) (GtkToggleButton *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkToggleButtonClass;
typedef struct _GtkCellRendererToggleClass {
    GtkCellRendererClass parent_class;
    void (*toggled) (GtkCellRendererToggle *, const gchar *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkCellRendererToggleClass;
typedef struct _GtkVButtonBox {
    GtkButtonBox button_box;
} GtkVButtonBox;
typedef struct _GtkTreeDragDestIface {
    GTypeInterface g_iface;
     gboolean(*drag_data_received)       (GtkTreeDragDest       *,
GtkTreePath *,
                                      GtkSelectionData *);
     gboolean(*row_drop_possible) (GtkTreeDragDest *, GtkTreePath
*,
                                     GtkSelectionData *);
} GtkTreeDragDestIface;
typedef struct _GtkColorSelectionClass {
    GtkVBoxClass parent_class;
    void (*color_changed) (GtkColorSelection *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkColorSelectionClass;
typedef struct _GtkCellRendererProgressPrivate
    GtkCellRendererProgressPrivate;
typedef struct _GtkCellRendererProgress {
    GtkCellRenderer parent_instance;
    GtkCellRendererProgressPrivate *priv;
} GtkCellRendererProgress;
typedef struct _GtkImageClass {
    GtkMiscClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkImageClass;
typedef struct _GtkMessageDialogClass {
    GtkDialogClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkMessageDialogClass;
typedef enum {
    GTK_DELETE_CHARS = 0,
    GTK_DELETE_WORD_ENDS = 1,
    GTK_DELETE_WORDS = 2,
    GTK_DELETE_DISPLAY_LINES = 3,
```

```
    GTK_DELETE_DISPLAY_LINE_ENDS = 4,
    GTK_DELETE_PARAGRAPH_ENDS = 5,
    GTK_DELETE_PARAGRAPHS = 6,
    GTK_DELETE_WHITESPACE = 7
} GtkDeleteType;
typedef struct _GtkTreeSortableIface {
    GTypeInterface g_iface;
    void (*sort_column_changed) (GtkTreeSortable *);
     gboolean(*get_sort_column_id) (GtkTreeSortable *, gint *,
                                    GtkSortType *);
    void   (*set_sort_column_id)   (GtkTreeSortable   *,   gint,
GtkSortType);
    void     (*set_sort_func)     (GtkTreeSortable     *,     gint,
GtkTreeIterCompareFunc,
                            gpointer, GtkDestroyNotify);
    void (*set_default_sort_func) (GtkTreeSortable *,
                                   GtkTreeIterCompareFunc,
gpointer,
                                   GtkDestroyNotify);
     gboolean(*has_default_sort_func) (GtkTreeSortable *);
} GtkTreeSortableIface;
typedef struct _GtkCalendarClass {
    GtkWidgetClass parent_class;
    void (*month_changed) (GtkCalendar *);
    void (*day_selected) (GtkCalendar *);
    void (*day_selected_double_click) (GtkCalendar *);
    void (*prev_month) (GtkCalendar *);
    void (*next_month) (GtkCalendar *);
    void (*prev_year) (GtkCalendar *);
    void (*next_year) (GtkCalendar *);
} GtkCalendarClass;
typedef struct _GtkEntryClass {
    GtkWidgetClass parent_class;
    void (*populate_popup) (GtkEntry *, GtkMenu *);
    void (*activate) (GtkEntry *);
    void  (*move_cursor)  (GtkEntry  *,  GtkMovementStep,  gint,
gboolean);
    void (*insert_at_cursor) (GtkEntry *, const gchar *);
    void (*delete_from_cursor) (GtkEntry *, GtkDeleteType, gint);
    void (*backspace) (GtkEntry *);
    void (*cut_clipboard) (GtkEntry *);
    void (*copy_clipboard) (GtkEntry *);
    void (*paste_clipboard) (GtkEntry *);
    void (*toggle_overwrite) (GtkEntry *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
} GtkEntryClass;
typedef struct _GtkSpinButtonClass {
    GtkEntryClass parent_class;
     gint(*input) (GtkSpinButton *, gdouble *);
     gint(*output) (GtkSpinButton *);
    void (*value_changed) (GtkSpinButton *);
    void (*change_value) (GtkSpinButton *, GtkScrollType);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkSpinButtonClass;
typedef struct _GtkInputDialog {
    GtkDialog dialog;
    GtkWidget *axis_list;
    GtkWidget *axis_listbox;
    GtkWidget *mode_optionmenu;
    GtkWidget *close_button;
    GtkWidget *save_button;
```

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```
    GtkWidget *axis_items[7];
    GdkDevice *current_device;
    GtkWidget *keys_list;
    GtkWidget *keys_listbox;
} GtkInputDialog;
typedef struct _GtkInputDialogClass {
    GtkDialogClass parent_class;
    void (*enable_device) (GtkInputDialog *, GdkDevice *);
    void (*disable_device) (GtkInputDialog *, GdkDevice *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkInputDialogClass;
typedef struct _GtkEntryCompletionClass {
    GObjectClass parent_class;
     gboolean(*match_selected)       (GtkEntryCompletion       *,
GtkTreeModel *,
                                GtkTreeIter *);
    void (*action_activated) (GtkEntryCompletion *, gint);
     gboolean(*insert_prefix) (GtkEntryCompletion *, const gchar
*);
    void (*_gtk_reserved0) (void);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
} GtkEntryCompletionClass;
typedef struct _GtkAlignmentClass {
    GtkBinClass parent_class;
} GtkAlignmentClass;
typedef struct _GtkTreeModelFilterClass {
    GObjectClass parent_class;
    void (*_gtk_reserved0) (void);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
} GtkTreeModelFilterClass;
typedef struct _GtkRcStyleClass {
    GObjectClass parent_class;
    GtkRcStyle *(*create_rc_style) (GtkRcStyle *);
     guint(*parse) (GtkRcStyle *, GtkSettings *, GScanner *);
    void (*merge) (GtkRcStyle *, GtkRcStyle *);
    GtkStyle *(*create_style) (GtkRcStyle *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkRcStyleClass;
typedef struct _GtkUIManagerClass {
    GObjectClass parent_class;
    void (*add_widget) (GtkUIManager *, GtkWidget *);
    void (*actions_changed) (GtkUIManager *);
    void (*connect_proxy) (GtkUIManager *, GtkAction *, GtkWidget
*);
    void  (*disconnect_proxy)  (GtkUIManager  *,  GtkAction  *,
GtkWidget *);
    void (*pre_activate) (GtkUIManager *, GtkAction *);
    void (*post_activate) (GtkUIManager *, GtkAction *);
    GtkWidget *(*get_widget) (GtkUIManager *, const gchar *);
    GtkAction *(*get_action) (GtkUIManager *, const gchar *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
} GtkUIManagerClass;
typedef struct _GtkSeparatorClass {
    GtkWidgetClass parent_class;
} GtkSeparatorClass;
typedef struct _GtkVSeparatorClass {
```

```
    GtkSeparatorClass parent_class;
} GtkVSeparatorClass;
typedef struct _GtkCheckButtonClass {
    GtkToggleButtonClass parent_class;
    void (*draw_indicator) (GtkCheckButton *, GdkRectangle *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkCheckButtonClass;
typedef enum {
    GTK_VISIBILITY_NONE = 0,
    GTK_VISIBILITY_PARTIAL = 1,
    GTK_VISIBILITY_FULL = 2
} GtkVisibility;
typedef struct _GtkRadioMenuItemClass {
    GtkCheckMenuItemClass parent_class;
    void (*group_changed) (GtkRadioMenuItem *);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkRadioMenuItemClass;
typedef struct _GtkTextViewClass {
    GtkContainerClass parent_class;
    void (*set_scroll_adjustments) (GtkTextView *, GtkAdjustment
*,
                                    GtkAdjustment *);
    void (*populate_popup) (GtkTextView *, GtkMenu *);
    void (*move_cursor) (GtkTextView *, GtkMovementStep, gint,
gboolean);
    void (*page_horizontally) (GtkTextView *, gint, gboolean);
    void (*set_anchor) (GtkTextView *);
    void (*insert_at_cursor) (GtkTextView *, const gchar *);
    void (*delete_from_cursor) (GtkTextView *, GtkDeleteType,
gint);
    void (*backspace) (GtkTextView *);
    void (*cut_clipboard) (GtkTextView *);
    void (*copy_clipboard) (GtkTextView *);
    void (*paste_clipboard) (GtkTextView *);
    void (*toggle_overwrite) (GtkTextView *);
    void (*move_focus) (GtkTextView *, GtkDirectionType);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
    void (*_gtk_reserved5) (void);
    void (*_gtk_reserved6) (void);
    void (*_gtk_reserved7) (void);
} GtkTextViewClass;
typedef void (*GtkColorSelectionChangePaletteFunc) (const
GdkColor *,
                                                    gint);
typedef struct _GtkTreeModelSortClass {
    GObjectClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkTreeModelSortClass;
typedef struct _GtkCellEditableIface {
    GTypeInterface g_iface;
    void (*editing_done) (GtkCellEditable *);
    void (*remove_widget) (GtkCellEditable *);
    void (*start_editing) (GtkCellEditable *, GdkEvent *);
} GtkCellEditableIface;
typedef struct _GtkToolbarClass {
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```
    GtkContainerClass parent_class;
    void (*orientation_changed) (GtkToolbar *, GtkOrientation);
    void (*style_changed) (GtkToolbar *, GtkToolbarStyle);
     gboolean(*popup_context_menu)  (GtkToolbar  *,  gint,  gint,
gint);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
} GtkToolbarClass;
typedef struct _GtkHandleBoxClass {
    GtkBinClass parent_class;
    void (*child_attached) (GtkHandleBox *, GtkWidget *);
    void (*child_detached) (GtkHandleBox *, GtkWidget *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkHandleBoxClass;
typedef struct _GtkHSeparator {
    GtkSeparator separator;
} GtkHSeparator;
typedef struct _GtkTextTagTableClass {
    GObjectClass parent_class;
    void  (*tag_changed)  (GtkTextTagTable  *,  GtkTextTag  *,
gboolean);
    void (*tag_added) (GtkTextTagTable *, GtkTextTag *);
    void (*tag_removed) (GtkTextTagTable *, GtkTextTag *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkTextTagTableClass;
typedef struct _GtkComboBoxClass {
    GtkBinClass parent_class;
    void (*changed) (GtkComboBox *);
    gchar *(*get_active_text) (GtkComboBox *);
    void (*_gtk_reserved0) (void);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
} GtkComboBoxClass;
typedef struct _GtkComboBoxEntryClass {
    GtkComboBoxClass parent_class;
    void (*_gtk_reserved0) (void);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
} GtkComboBoxEntryClass;
typedef struct _GtkFontSelectionClass {
    GtkVBoxClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkFontSelectionClass;
typedef struct _GtkFrameClass {
    GtkBinClass parent_class;
    void  (*compute_child_allocation)  (GtkFrame  *,  GtkAllocation
*);
} GtkFrameClass;
typedef struct _GtkHScrollbarClass {
    GtkScrollbarClass parent_class;
} GtkHScrollbarClass;
typedef struct _GtkFileSelectionClass {
    GtkDialogClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
```

```
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkFileSelectionClass;
typedef struct _GtkScrolledWindowClass {
    GtkBinClass parent_class;
    gint scrollbar_spacing;
    void  (*scroll_child)  (GtkScrolledWindow  *,  GtkScrollType,
gboolean);
    void       (*move_focus_out)       (GtkScrolledWindow       *,
GtkDirectionType);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkScrolledWindowClass;
typedef struct _GtkTextMarkClass {
    GObjectClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkTextMarkClass;
typedef struct _GtkToolbarPrivate GtkToolbarPrivate;
typedef struct _GtkVScale {
    GtkScale scale;
} GtkVScale;
typedef struct _GtkFixedChild {
    GtkWidget *widget;
    gint x;
    gint y;
} GtkFixedChild;
typedef struct _GtkLayoutClass {
    GtkContainerClass parent_class;
    void (*set_scroll_adjustments) (GtkLayout *, GtkAdjustment *,
                                    GtkAdjustment *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkLayoutClass;
typedef struct _GtkEventBoxClass {
    GtkBinClass parent_class;
} GtkEventBoxClass;
typedef struct _GtkIMContextSimpleClass {
    GtkIMContextClass parent_class;
} GtkIMContextSimpleClass;
typedef struct _GtkExpanderClass {
    GtkBinClass parent_class;
    void (*activate) (GtkExpander *);
} GtkExpanderClass;
typedef struct _GtkProgressClass {
    GtkWidgetClass parent_class;
    void (*paint) (GtkProgress *);
    void (*update) (GtkProgress *);
    void (*act_mode_enter) (GtkProgress *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkProgressClass;
typedef void (*GtkModuleInitFunc) (gint *, gchar * **);
typedef struct _GtkFileChooserDialogClass {
    GtkDialogClass parent_class;
} GtkFileChooserDialogClass;
typedef struct _GtkVScrollbarClass {
    GtkScrollbarClass parent_class;
```

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```
} GtkVScrollbarClass;
typedef struct _GtkTableClass {
    GtkContainerClass parent_class;
} GtkTableClass;
typedef struct _GtkFontButtonClass {
    GtkButtonClass parent_class;
    void (*font_set) (GtkFontButton *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkFontButtonClass;
typedef struct _GtkHSeparatorClass {
    GtkSeparatorClass parent_class;
} GtkHSeparatorClass;
typedef struct _GtkColorSelectionDialogClass {
    GtkDialogClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkColorSelectionDialogClass;
typedef struct _GtkColorButtonClass {
    GtkButtonClass parent_class;
    void (*color_set) (GtkColorButton *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkColorButtonClass;
typedef struct _GtkMenuBar {
    GtkMenuShell menu_shell;
} GtkMenuBar;
typedef struct _GtkMenuBarClass {
    GtkMenuShellClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkMenuBarClass;
typedef struct _GtkColorSelectionDialog {
    GtkDialog parent_instance;
    GtkWidget *colorsel;
    GtkWidget *ok_button;
    GtkWidget *cancel_button;
    GtkWidget *help_button;
} GtkColorSelectionDialog;
typedef struct _GtkStatusbarClass {
    GtkHBoxClass parent_class;
    GMemChunk *messages_mem_chunk;
    void (*text_pushed) (GtkStatusbar *, guint, const gchar *);
    void (*text_popped) (GtkStatusbar *, guint, const gchar *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkStatusbarClass;
typedef struct _GtkSeparatorMenuItem {
    GtkMenuItem menu_item;
} GtkSeparatorMenuItem;
typedef struct _GtkAboutDialogClass {
    GtkDialogClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
```

```
} GtkAboutDialogClass;
typedef struct _GtkListStoreClass {
    GObjectClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkListStoreClass;
typedef struct _GtkFileChooserButtonClass {
    GtkHBoxClass parent_class;
    void *__gtk_reserved1;
    void *__gtk_reserved2;
    void *__gtk_reserved3;
    void *__gtk_reserved4;
    void *__gtk_reserved5;
    void *__gtk_reserved6;
    void *__gtk_reserved7;
    void *__gtk_reserved8;
} GtkFileChooserButtonClass;
typedef enum {
    GTK_TOOLBAR_SPACE_EMPTY = 0,
    GTK_TOOLBAR_SPACE_LINE = 1
} GtkToolbarSpaceStyle;
typedef struct _GtkMenuClass {
    GtkMenuShellClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkMenuClass;
typedef struct _GtkHScale {
    GtkScale scale;
} GtkHScale;
typedef struct _GtkGammaCurveClass {
    GtkVBoxClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkGammaCurveClass;
typedef struct _GtkCellRendererComboClass {
    GtkCellRendererTextClass parent;
} GtkCellRendererComboClass;
typedef struct _GtkTearoffMenuItem {
    GtkMenuItem menu_item;
    guint torn_off:1;
} GtkTearoffMenuItem;
typedef struct _GtkNotebookClass {
    GtkContainerClass parent_class;
    void   (*switch_page)   (GtkNotebook   *,   GtkNotebookPage   *,
guint);
     gboolean(*select_page) (GtkNotebook *, gboolean);
     gboolean(*focus_tab) (GtkNotebook *, GtkNotebookTab);
    void (*change_current_page) (GtkNotebook *, gint);
    void (*move_focus_out) (GtkNotebook *, GtkDirectionType);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkNotebookClass;
typedef struct _GtkImageMenuItemClass {
    GtkMenuItemClass parent_class;
} GtkImageMenuItemClass;
typedef struct _GtkTooltipsClass {
    GtkObjectClass parent_class;
    void (*_gtk_reserved1) (void);
```

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```
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkTooltipsClass;
typedef struct _GtkTreeViewClass {
    GtkContainerClass parent_class;
    void (*set_scroll_adjustments) (GtkTreeView *, GtkAdjustment
*,
                                    GtkAdjustment *);
    void (*row_activated) (GtkTreeView *, GtkTreePath *,
                           GtkTreeViewColumn *);
     gboolean(*test_expand_row) (GtkTreeView *, GtkTreeIter *,
                                 GtkTreePath *);
     gboolean(*test_collapse_row) (GtkTreeView *, GtkTreeIter *,
                                   GtkTreePath *);
    void   (*row_expanded)   (GtkTreeView   *,   GtkTreeIter   *,
GtkTreePath *);
    void   (*row_collapsed)   (GtkTreeView   *,   GtkTreeIter   *,
GtkTreePath *);
    void (*columns_changed) (GtkTreeView *);
    void (*cursor_changed) (GtkTreeView *);
     gboolean(*move_cursor)   (GtkTreeView   *,   GtkMovementStep,
gint);
     gboolean(*select_all) (GtkTreeView *);
     gboolean(*unselect_all) (GtkTreeView *);
     gboolean(*select_cursor_row) (GtkTreeView *, gboolean);
     gboolean(*toggle_cursor_row) (GtkTreeView *);
     gboolean(*expand_collapse_cursor_row)     (GtkTreeView     *,
gboolean,
                                              gboolean, gboolean);
     gboolean(*select_cursor_parent) (GtkTreeView *);
     gboolean(*start_interactive_search) (GtkTreeView *);
    void (*_gtk_reserved0) (void);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkTreeViewClass;
typedef struct _GtkFileChooserWidgetClass {
    GtkVBoxClass parent_class;
} GtkFileChooserWidgetClass;
typedef struct _GtkTearoffMenuItemClass {
    GtkMenuItemClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkTearoffMenuItemClass;
typedef struct _GtkRadioButtonClass {
    GtkCheckButtonClass parent_class;
    void (*group_changed) (GtkRadioButton *);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkRadioButtonClass;
typedef struct _GtkAdjustmentClass {
    GtkObjectClass parent_class;
    void (*changed) (GtkAdjustment *);
    void (*value_changed) (GtkAdjustment *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkAdjustmentClass;
typedef struct _GtkHPaned {
    GtkPaned paned;
```

```
} GtkHPaned;
typedef struct _GtkRadioActionClass {
    GtkToggleActionClass parent_class;
    void (*changed) (GtkRadioAction *, GtkRadioAction *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkRadioActionClass;
typedef struct _GtkTextTagClass {
    GObjectClass parent_class;
     gboolean(*event) (GtkTextTag *, GObject *, GdkEvent *,
                       const GtkTextIter *);
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkTextTagClass;
typedef struct _GtkIconViewClass {
    GtkContainerClass parent_class;
    void (*set_scroll_adjustments) (GtkIconView *, GtkAdjustment
*,
                                    GtkAdjustment *);
    void (*item_activated) (GtkIconView *, GtkTreePath *);
    void (*selection_changed) (GtkIconView *);
    void (*select_all) (GtkIconView *);
    void (*unselect_all) (GtkIconView *);
    void (*select_cursor_item) (GtkIconView *);
    void (*toggle_cursor_item) (GtkIconView *);
     gboolean(*move_cursor)   (GtkIconView   *,   GtkMovementStep,
gint);
     gboolean(*activate_cursor_item) (GtkIconView *);
} GtkIconViewClass;
typedef struct _GtkProgressBarClass {
    GtkProgressClass parent_class;
    void (*_gtk_reserved1) (void);
    void (*_gtk_reserved2) (void);
    void (*_gtk_reserved3) (void);
    void (*_gtk_reserved4) (void);
} GtkProgressBarClass;
typedef struct _GtkAspectFrameClass {
    GtkFrameClass parent_class;
} GtkAspectFrameClass;
typedef struct _GtkGammaCurve {
    GtkVBox vbox;
    GtkWidget *table;
    GtkWidget *curve;
    GtkWidget *button[5];
    gfloat gamma;
    GtkWidget *gamma_dialog;
    GtkWidget *gamma_text;
} GtkGammaCurve;
typedef   gboolean(*GtkAccelGroupActivate)   (GtkAccelGroup   *,
GObject *,
                                              guint,
GdkModifierType);
enum {
    GTK_TREE_SORTABLE_DEFAULT_SORT_COLUMN_ID = -1,
    GTK_TREE_SORTABLE_UNSORTED_SORT_COLUMN_ID = -2
};
typedef enum {
    GTK_IM_PREEDIT_NOTHING,
    GTK_IM_PREEDIT_CALLBACK,
    GTK_IM_PREEDIT_NONE
} GtkIMPreeditStyle;
typedef enum {
```

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```
    GTK_DEBUG_MISC = 1 << 0,
    GTK_DEBUG_PLUGSOCKET = 1 << 1,
    GTK_DEBUG_TEXT = 1 << 2,
    GTK_DEBUG_TREE = 1 << 3,
    GTK_DEBUG_UPDATES = 1 << 4,
    GTK_DEBUG_KEYBINDINGS = 1 << 5,
    GTK_DEBUG_MULTIHEAD = 1 << 6,
    GTK_DEBUG_MODULES = 1 << 7,
    GTK_DEBUG_GEOMETRY = 1 << 8,
    GTK_DEBUG_ICONTHEME = 1 << 9
} GtkDebugFlag;
typedef enum {
    GTK_CELL_RENDERER_MODE_INERT,
    GTK_CELL_RENDERER_MODE_ACTIVATABLE,
    GTK_CELL_RENDERER_MODE_EDITABLE
} GtkCellRendererMode;
typedef enum {
    GTK_ICON_THEME_NOT_FOUND,
    GTK_ICON_THEME_FAILED
} GtkIconThemeError;
typedef enum {
    GTK_RESPONSE_NONE = -1,
    GTK_RESPONSE_REJECT = -2,
    GTK_RESPONSE_ACCEPT = -3,
    GTK_RESPONSE_DELETE_EVENT = -4,
    GTK_RESPONSE_OK = -5,
    GTK_RESPONSE_CANCEL = -6,
    GTK_RESPONSE_CLOSE = -7,
    GTK_RESPONSE_YES = -8,
    GTK_RESPONSE_NO = -9,
    GTK_RESPONSE_APPLY = -10,
    GTK_RESPONSE_HELP = -11
} GtkResponseType;
typedef enum {
    GTK_TARGET_SAME_APP = 1 << 0,
    GTK_TARGET_SAME_WIDGET = 1 << 1
} GtkTargetFlags;
typedef enum {
    GTK_ANCHOR_CENTER,
    GTK_ANCHOR_NORTH,
    GTK_ANCHOR_NORTH_WEST,
    GTK_ANCHOR_NORTH_EAST,
    GTK_ANCHOR_SOUTH,
    GTK_ANCHOR_SOUTH_WEST,
    GTK_ANCHOR_SOUTH_EAST,
    GTK_ANCHOR_WEST,
    GTK_ANCHOR_EAST,
    GTK_ANCHOR_N = GTK_ANCHOR_NORTH,
    GTK_ANCHOR_NW = GTK_ANCHOR_NORTH_WEST,
    GTK_ANCHOR_NE = GTK_ANCHOR_NORTH_EAST,
    GTK_ANCHOR_S = GTK_ANCHOR_SOUTH,
    GTK_ANCHOR_SW = GTK_ANCHOR_SOUTH_WEST,
    GTK_ANCHOR_SE = GTK_ANCHOR_SOUTH_EAST,
    GTK_ANCHOR_W = GTK_ANCHOR_WEST,
    GTK_ANCHOR_E = GTK_ANCHOR_EAST
} GtkAnchorType;
typedef enum {
    GTK_IM_STATUS_NOTHING,
    GTK_IM_STATUS_CALLBACK,
    GTK_IM_STATUS_NONE
} GtkIMStatusStyle;
typedef enum {
    GTK_FILE_CHOOSER_ERROR_NONEXISTENT,
    GTK_FILE_CHOOSER_ERROR_BAD_FILENAME
} GtkFileChooserError;
typedef enum {
```

```
    GTK_IN_DESTRUCTION = 1 << 0,
    GTK_FLOATING = 1 << 1,
    GTK_RESERVED_1 = 1 << 2,
    GTK_RESERVED_2 = 1 << 3
} GtkObjectFlags;
typedef enum {
    GTK_RC_TOKEN_INVALID = G_TOKEN_LAST,
    GTK_RC_TOKEN_INCLUDE,
    GTK_RC_TOKEN_NORMAL,
    GTK_RC_TOKEN_ACTIVE,
    GTK_RC_TOKEN_PRELIGHT,
    GTK_RC_TOKEN_SELECTED,
    GTK_RC_TOKEN_INSENSITIVE,
    GTK_RC_TOKEN_FG,
    GTK_RC_TOKEN_BG,
    GTK_RC_TOKEN_TEXT,
    GTK_RC_TOKEN_BASE,
    GTK_RC_TOKEN_XTHICKNESS,
    GTK_RC_TOKEN_YTHICKNESS,
    GTK_RC_TOKEN_FONT,
    GTK_RC_TOKEN_FONTSET,
    GTK_RC_TOKEN_FONT_NAME,
    GTK_RC_TOKEN_BG_PIXMAP,
    GTK_RC_TOKEN_PIXMAP_PATH,
    GTK_RC_TOKEN_STYLE,
    GTK_RC_TOKEN_BINDING,
    GTK_RC_TOKEN_BIND,
    GTK_RC_TOKEN_WIDGET,
    GTK_RC_TOKEN_WIDGET_CLASS,
    GTK_RC_TOKEN_CLASS,
    GTK_RC_TOKEN_LOWEST,
    GTK_RC_TOKEN_GTK,
    GTK_RC_TOKEN_APPLICATION,
    GTK_RC_TOKEN_THEME,
    GTK_RC_TOKEN_RC,
    GTK_RC_TOKEN_HIGHEST,
    GTK_RC_TOKEN_ENGINE,
    GTK_RC_TOKEN_MODULE_PATH,
    GTK_RC_TOKEN_IM_MODULE_PATH,
    GTK_RC_TOKEN_IM_MODULE_FILE,
    GTK_RC_TOKEN_STOCK,
    GTK_RC_TOKEN_LTR,
    GTK_RC_TOKEN_RTL,
    GTK_RC_TOKEN_LAST
} GtkRcTokenType;
typedef enum {
    GTK_TOPLEVEL = 1 << 4,
    GTK_NO_WINDOW = 1 << 5,
    GTK_REALIZED = 1 << 6,
    GTK_MAPPED = 1 << 7,
    GTK_VISIBLE = 1 << 8,
    GTK_SENSITIVE = 1 << 9,
    GTK_PARENT_SENSITIVE = 1 << 10,
    GTK_CAN_FOCUS = 1 << 11,
    GTK_HAS_FOCUS = 1 << 12,
    GTK_CAN_DEFAULT = 1 << 13,
    GTK_HAS_DEFAULT = 1 << 14,
    GTK_HAS_GRAB = 1 << 15,
    GTK_RC_STYLE = 1 << 16,
    GTK_COMPOSITE_CHILD = 1 << 17,
    GTK_NO_REPARENT = 1 << 18,
    GTK_APP_PAINTABLE = 1 << 19,
    GTK_RECEIVES_DEFAULT = 1 << 20,
    GTK_DOUBLE_BUFFERED = 1 << 21,
    GTK_NO_SHOW_ALL = 1 << 22
} GtkWidgetFlags;
```

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```
extern GtkIconSet *gtk_icon_set_new(void);
extern GType gtk_cell_editable_get_type(void);
extern void gtk_widget_get_pointer(GtkWidget *, gint *, gint *);
extern   void   gtk_progress_bar_set_fraction(GtkProgressBar   *,
gdouble);
extern GType gtk_file_chooser_action_get_type(void);
extern   void   gtk_text_buffer_get_start_iter(GtkTextBuffer   *,
GtkTextIter *);
extern gint gtk_combo_box_get_column_span_column(GtkComboBox *);
extern void gtk_misc_set_padding(GtkMisc *, gint, gint);
extern  guint  gtk_statusbar_push(GtkStatusbar  *,  guint,  const
gchar *);
extern     GdkAtom     gtk_drag_dest_find_target(GtkWidget     *,
GdkDragContext *,
                                        GtkTargetList *);
extern void gtk_window_get_default_size(GtkWindow *, gint *, gint
*);
extern void gtk_widget_modify_base(GtkWidget *, GtkStateType,
                                   const GdkColor *);
extern void gtk_tree_row_reference_free(GtkTreeRowReference *);
extern   GtkTreeModelFlags   gtk_tree_model_get_flags(GtkTreeModel
*);
extern void gtk_drag_source_set(GtkWidget *, GdkModifierType,
                                const GtkTargetEntry *, gint,
                                GdkDragAction);
extern void gtk_entry_get_layout_offsets(GtkEntry *, gint *, gint
*);
extern GdkColormap *gtk_widget_get_default_colormap(void);
extern GType gtk_submenu_placement_get_type(void);
extern const guint gtk_binary_age;
extern  GtkRequisition  *gtk_requisition_copy(const  GtkRequisition
*);
extern  void  gtk_combo_box_entry_set_text_column(GtkComboBoxEntry
*, gint);
extern GtkAdjustment *gtk_layout_get_vadjustment(GtkLayout *);
extern void gtk_tree_store_append(GtkTreeStore *, GtkTreeIter *,
                                  GtkTreeIter *);
extern GtkAboutDialogActivateLinkFunc
gtk_about_dialog_set_email_hook(GtkAboutDialogActivateLinkFunc,
gpointer,
                                GDestroyNotify);
extern GType gtk_adjustment_get_type(void);
extern                                                  gboolean
gtk_tree_sortable_get_sort_column_id(GtkTreeSortable *,
                                                     gint *,
                                                     GtkSortType
*);
extern void gtk_range_set_range(GtkRange *, gdouble, gdouble);
extern                                                  gboolean
gtk_text_iter_backward_sentence_starts(GtkTextIter *,
                                                       gint);
extern   gboolean   gtk_window_propagate_key_event(GtkWindow   *,
GdkEventKey *);
extern  void  gtk_dialog_add_action_widget(GtkDialog  *,  GtkWidget
*, gint);
extern GdkNativeWindow gtk_socket_get_id(GtkSocket *);
extern const gchar *gtk_window_get_role(GtkWindow *);
extern                                                       void
gtk_tree_view_column_clear_attributes(GtkTreeViewColumn *,
                                                  GtkCellRenderer
*);
extern guint gtk_binding_parse_binding(GScanner *);
extern GtkWidget *gtk_input_dialog_new(void);
extern gint gtk_text_buffer_get_char_count(GtkTextBuffer *);
extern  GtkButtonBoxStyle  gtk_button_box_get_layout(GtkButtonBox
*);
```

```
extern void gtk_toggle_action_toggled(GtkToggleAction *);
extern gboolean gtk_text_iter_begins_tag(const GtkTextIter *,
                                          GtkTextTag *);
extern void gtk_widget_reparent(GtkWidget *, GtkWidget *);
extern                                                    gboolean
gtk_text_iter_backward_visible_cursor_position(GtkTextIter

*);
extern GType gtk_spin_button_get_type(void);
extern void gtk_text_buffer_get_iter_at_line(GtkTextBuffer *,
                                             GtkTextIter        *,
gint);
extern gboolean gtk_file_filter_filter(GtkFileFilter *,
                                       const     GtkFileFilterInfo
*);
extern  void  gtk_text_iter_set_visible_line_index(GtkTextIter  *,
gint);
extern    GtkTextDirection    gtk_icon_source_get_direction(const
GtkIconSource
                                                              *);
extern void gtk_layout_get_size(GtkLayout *, guint *, guint *);
extern      void      gtk_widget_set_direction(GtkWidget       *,
GtkTextDirection);
extern gint gtk_text_iter_compare(const GtkTextIter *,
                                  const GtkTextIter *);
extern void gtk_drag_source_add_text_targets(GtkWidget *);
extern GType gtk_file_chooser_widget_get_type(void);
extern   void   gtk_tool_button_set_label_widget(GtkToolButton   *,
GtkWidget *);
extern gint gtk_icon_view_get_text_column(GtkIconView *);
extern gboolean gtk_label_get_use_markup(GtkLabel *);
extern                                                GtkAdjustment
*gtk_container_get_focus_hadjustment(GtkContainer *);
extern    void    gtk_text_buffer_set_modified(GtkTextBuffer    *,
gboolean);
extern void gtk_drag_source_unset(GtkWidget *);
extern    void    gtk_combo_box_set_add_tearoffs(GtkComboBox    *,
gboolean);
extern GtkWidget *gtk_text_view_new_with_buffer(GtkTextBuffer *);
extern void gtk_settings_set_string_property(GtkSettings *, const
gchar *,
                                             const gchar *, const
gchar *);
extern   guint   gtk_ui_manager_add_ui_from_file(GtkUIManager   *,
const gchar *,
                                             GError * *);
extern GtkWidget

*gtk_radio_menu_item_new_with_label_from_widget(GtkRadioMenuItem
*,
                                                       const    gchar
*);
extern void gtk_widget_push_colormap(GdkColormap *);
extern GtkWidget *gtk_vbox_new(gboolean, gint);
extern void gtk_cell_view_set_background_color(GtkCellView *,
                                               const GdkColor *);
extern                                                    gboolean
gtk_selection_data_targets_include_text(GtkSelectionData
                                                            *);
extern GType gtk_cell_renderer_get_type(void);
extern void gtk_container_check_resize(GtkContainer *);
extern guint gtk_label_get_mnemonic_keyval(GtkLabel *);
extern void gtk_file_chooser_unselect_filename(GtkFileChooser *,
                                               const char *);
extern void gtk_curve_reset(GtkCurve *);
```

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```
extern const gchar *gtk_notebook_get_menu_label_text(GtkNotebook
*,
                                                     GtkWidget
*);
extern GtkIconSet *gtk_icon_factory_lookup(GtkIconFactory *,
                                           const gchar *);
extern GtkWidget *gtk_accel_label_new(const gchar *);
extern void gtk_widget_size_allocate(GtkWidget *, GtkAllocation
*);
extern void gtk_icon_view_unselect_all(GtkIconView *);
extern void gtk_drag_set_icon_default(GdkDragContext *);
extern void gtk_layout_move(GtkLayout *, GtkWidget *, gint,
gint);
extern void gtk_drag_set_icon_widget(GdkDragContext *, GtkWidget
*, gint,
                                     gint);
extern GType gtk_shadow_type_get_type(void);
extern GtkWidget *gtk_tool_item_get_proxy_menu_item(GtkToolItem
*,
                                                    const gchar
*);
extern GdkPixbuf *gtk_about_dialog_get_logo(GtkAboutDialog *);
extern void gtk_widget_set_colormap(GtkWidget *, GdkColormap *);
extern GdkExtensionMode gtk_widget_get_extension_events(GtkWidget
*);
extern GtkRadioAction *gtk_radio_action_new(const gchar *, const
gchar *,
                                            const gchar *, const
gchar *,
                                            gint);
extern                                                GtkTextMark
*gtk_text_buffer_get_selection_bound(GtkTextBuffer *);
extern void gtk_box_set_child_packing(GtkBox *, GtkWidget *,
gboolean,
                                      gboolean,           guint,
GtkPackType);
extern                                                   guint16
gtk_color_selection_get_current_alpha(GtkColorSelection *);
extern void gtk_calendar_get_date(GtkCalendar *, guint *, guint
*,
                                  guint *);
extern GType gtk_selection_data_get_type(void);
extern GType gtk_submenu_direction_get_type(void);
extern GType gtk_icon_set_get_type(void);
extern GType gtk_cell_renderer_text_get_type(void);
extern void gtk_icon_info_free(GtkIconInfo *);
extern void gtk_window_set_focus_on_map(GtkWindow *, gboolean);
extern void gtk_window_set_transient_for(GtkWindow *, GtkWindow
*);
extern void gtk_widget_class_path(GtkWidget *, guint *, gchar *
*,
                                  gchar * *);
extern void gtk_tree_model_row_changed(GtkTreeModel *,
GtkTreePath *,
                                       GtkTreeIter *);
extern                                                 gboolean
gtk_tree_drag_source_drag_data_delete(GtkTreeDragSource *,
                                                      GtkTreePath
*);
extern GType gtk_tree_model_get_column_type(GtkTreeModel *,
gint);
extern void gtk_icon_view_set_columns(GtkIconView *, gint);
extern void gtk_container_child_get_valist(GtkContainer *,
GtkWidget *,
                                           const gchar *,
va_list);
```

```
extern guchar *gtk_selection_data_get_text(GtkSelectionData *);
extern void gtk_window_resize(GtkWindow *, gint, gint);
extern void gtk_table_set_homogeneous(GtkTable *, gboolean);
extern      guint      gtk_quit_add_full(guint,      GtkFunction,
GtkCallbackMarshal,
                                gpointer, GtkDestroyNotify);
extern gboolean gtk_action_is_visible(GtkAction *);
extern  GtkTextBuffer  *gtk_text_iter_get_buffer(const  GtkTextIter
*);
extern void gtk_menu_set_screen(GtkMenu *, GdkScreen *);
extern                                                          void
gtk_color_selection_set_previous_alpha(GtkColorSelection *,
                                                      guint16);
extern   void   gtk_toggle_button_set_active(GtkToggleButton   *,
gboolean);
extern  void  gtk_target_list_add_text_targets(GtkTargetList  *,
guint);
extern GdkEvent *gtk_get_current_event(void);
extern GType gtk_update_type_get_type(void);
extern     const     gchar     *gtk_icon_source_get_filename(const
GtkIconSource *);
extern GtkIconTheme *gtk_icon_theme_get_for_screen(GdkScreen *);
extern GtkWidget *gtk_arrow_new(GtkArrowType, GtkShadowType);
extern void gtk_text_view_buffer_to_window_coords(GtkTextView *,

GtkTextWindowType, gint,
                                                  gint,  gint  *,
gint *);
extern GType gtk_style_get_type(void);
extern                                                          void
gtk_widget_class_install_style_property_parser(GtkWidgetClass
                                                                *,
GParamSpec *,

GtkRcPropertyParser);
extern GType gtk_toolbar_child_type_get_type(void);
extern GtkToolItem *gtk_toggle_tool_button_new(void);
extern GdkPixbufAnimation *gtk_image_get_animation(GtkImage *);
extern   gint   gtk_tree_view_column_get_spacing(GtkTreeViewColumn
*);
extern  GdkPixmap  *gtk_tree_view_create_row_drag_icon(GtkTreeView
*,
                                                     GtkTreePath
*);
extern void gtk_file_chooser_unselect_all(GtkFileChooser *);
extern gint gtk_icon_view_get_column_spacing(GtkIconView *);
extern                                          GtkTreeViewColumn
*gtk_tree_view_get_expander_column(GtkTreeView *);
extern guint gtk_main_level(void);
extern   void   gtk_icon_set_add_source(GtkIconSet   *,   const
GtkIconSource *);
extern void gtk_window_set_title(GtkWindow *, const gchar *);
extern gchar *gtk_rc_find_module_in_path(const gchar *);
extern gint gtk_text_view_get_pixels_above_lines(GtkTextView *);
extern   gboolean   gtk_widget_remove_accelerator(GtkWidget   *,
GtkAccelGroup *,
                                                guint,
GdkModifierType);
extern PangoLayout *gtk_widget_create_pango_layout(GtkWidget *,
                                                      const    gchar
*);
extern  GtkIconSet  *gtk_style_lookup_icon_set(GtkStyle  *,  const
char *);
extern GType gtk_scrollbar_get_type(void);
extern gint gtk_box_get_spacing(GtkBox *);
extern void gtk_window_get_position(GtkWindow *, gint *, gint *);
```

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```
extern GdkPixbuf *gtk_style_render_icon(GtkStyle *, const
GtkIconSource *,
                                        GtkTextDirection,
GtkStateType,
                                        GtkIconSize, GtkWidget *,
                                        const gchar *);
extern void gtk_icon_view_set_row_spacing(GtkIconView *, gint);
extern void gtk_quit_add_destroy(guint, GtkObject *);
extern GType gtk_color_selection_get_type(void);
extern gint gtk_spin_button_get_value_as_int(GtkSpinButton *);
extern gboolean gtk_label_get_single_line_mode(GtkLabel *);
extern void gtk_tool_item_set_homogeneous(GtkToolItem *,
gboolean);
extern void gtk_cell_layout_pack_end(GtkCellLayout *,
GtkCellRenderer *,
                                     gboolean);
extern GtkWidget
*gtk_file_chooser_get_preview_widget(GtkFileChooser *);
extern void gtk_window_set_resizable(GtkWindow *, gboolean);
extern void gtk_text_buffer_insert_with_tags(GtkTextBuffer *,
                                             GtkTextIter *, const
gchar *,
                                             gint, GtkTextTag *,
...);
extern void gtk_tree_path_down(GtkTreePath *);
extern void gtk_file_selection_complete(GtkFileSelection *, const
gchar *);
extern void gtk_tool_item_set_tooltip(GtkToolItem *, GtkTooltips
*,
                                      const gchar *, const gchar
*);
extern void gtk_text_buffer_insert_range(GtkTextBuffer *,
GtkTextIter *,
                                         const GtkTextIter *,
                                         const GtkTextIter *);
extern GType gtk_menu_get_type(void);
extern GtkTreeViewRowSeparatorFunc
gtk_tree_view_get_row_separator_func(GtkTreeView *);
extern gboolean gtk_text_view_get_overwrite(GtkTextView *);
extern void gtk_icon_theme_set_custom_theme(GtkIconTheme *, const
gchar *);
extern GdkGC *gtk_gc_get(gint, GdkColormap *, GdkGCValues *,
                         GdkGCValuesMask);
extern void gtk_cell_editable_editing_done(GtkCellEditable *);
extern void gtk_combo_box_append_text(GtkComboBox *, const gchar
*);
extern gboolean gtk_tree_view_get_headers_visible(GtkTreeView *);
extern gboolean gtk_window_set_default_icon_from_file(const gchar
*,
                                                      GError *
*);
extern GtkWidget *gtk_widget_ref(GtkWidget *);
extern void gtk_text_buffer_delete(GtkTextBuffer *, GtkTextIter
*,
                                   GtkTextIter *);
extern void gtk_tree_view_set_rules_hint(GtkTreeView *,
gboolean);
extern gint gtk_text_iter_get_bytes_in_line(const GtkTextIter *);
extern void gtk_icon_theme_get_search_path(GtkIconTheme *, gchar
* **,
                                           gint *);
extern gchar
*gtk_file_chooser_get_current_folder_uri(GtkFileChooser *);
extern void
gtk_entry_completion_set_text_column(GtkEntryCompletion *,
                                     gint);
```

```
extern GSList *gtk_action_get_proxies(GtkAction *);
extern GType gtk_tree_view_column_sizing_get_type(void);
extern void gtk_label_get_layout_offsets(GtkLabel *, gint *, gint
*);
extern gboolean gtk_box_get_homogeneous(GtkBox *);
extern void gtk_text_view_set_left_margin(GtkTextView *, gint);
extern GType gtk_item_get_type(void);
extern   gint   gtk_entry_text_index_to_layout_index(GtkEntry   *,
gint);
extern    void    gtk_tree_view_get_visible_rect(GtkTreeView    *,
GdkRectangle *);
extern    gboolean    gtk_tree_model_iter_next(GtkTreeModel    *,
GtkTreeIter *);
extern     void     gtk_tree_store_move_before(GtkTreeStore     *,
GtkTreeIter *,
                                        GtkTreeIter *);
extern void gtk_clipboard_set_text(GtkClipboard *, const gchar *,
gint);
extern GList *gtk_window_list_toplevels(void);
extern  void  gtk_tree_model_filter_clear_cache(GtkTreeModelFilter
*);
extern void gtk_notebook_prev_page(GtkNotebook *);
extern GType gtk_widget_get_type(void);
extern GType gtk_vpaned_get_type(void);
extern                                                      gint
gtk_tree_view_column_get_sort_column_id(GtkTreeViewColumn *);
extern GtkTreePath

*gtk_tree_model_sort_convert_child_path_to_path(GtkTreeModelSort
*,
                                                      GtkTreePath
*);
extern    void    gtk_tool_item_set_is_important(GtkToolItem    *,
gboolean);
extern GType gtk_menu_bar_get_type(void);
extern GtkTreeViewColumnSizing
gtk_tree_view_column_get_sizing(GtkTreeViewColumn *);
extern void gtk_text_attributes_copy_values(GtkTextAttributes *,
                                            GtkTextAttributes *);
extern GType gtk_calendar_display_options_get_type(void);
extern                                                      void
gtk_tree_view_column_set_cell_data_func(GtkTreeViewColumn *,

GtkCellRenderer *,

GtkTreeCellDataFunc,
                                                      gpointer,

GtkDestroyNotify);
extern void gtk_color_button_get_color(GtkColorButton *, GdkColor
*);
extern GType gtk_notebook_get_type(void);
extern  GtkWidget  *gtk_file_chooser_dialog_new_with_backend(const
gchar *,

GtkWindow *,

GtkFileChooserAction,
                                                            const
gchar *,
                                                            const
gchar *,
                                                            ...);
extern  void  gtk_container_forall(GtkContainer  *,  GtkCallback,
gpointer);
```

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```
extern void gtk_text_buffer_add_selection_clipboard(GtkTextBuffer
*,
                                                    GtkClipboard
*);
extern GSList *gtk_accel_groups_from_object(GObject *);
extern                                              GtkSortType
gtk_tree_view_column_get_sort_order(GtkTreeViewColumn
                                                     *);
extern gint gtk_notebook_insert_page(GtkNotebook *, GtkWidget *,
                                     GtkWidget *, gint);
extern GType gtk_table_get_type(void);
extern GtkWidget *gtk_menu_item_get_submenu(GtkMenuItem *);
extern   gboolean   gtk_text_view_scroll_to_iter(GtkTextView   *,
GtkTextIter *,
                                            gdouble,    gboolean,
gdouble,
                                            gdouble);
extern void gtk_window_set_icon_list(GtkWindow *, GList *);
extern gboolean gtk_window_get_destroy_with_parent(GtkWindow *);
extern void gtk_container_add(GtkContainer *, GtkWidget *);
extern  GtkShadowType  gtk_handle_box_get_shadow_type(GtkHandleBox
*);
extern GtkWidget *gtk_text_view_new(void);
extern void gtk_window_add_embedded_xid(GtkWindow *, guint);
extern gboolean gtk_label_get_use_underline(GtkLabel *);
extern gboolean gtk_text_view_starts_display_line(GtkTextView *,
                                                  const
GtkTextIter *);
extern gdouble gtk_spin_button_get_value(GtkSpinButton *);
extern   void   gtk_tree_view_get_background_area(GtkTreeView   *,
GtkTreePath *,
                                             GtkTreeViewColumn
*,
                                             GdkRectangle *);
extern                                                     void
gtk_color_selection_get_previous_color(GtkColorSelection *,
                                                GdkColor *);
extern void gtk_file_chooser_set_action(GtkFileChooser *,
                                        GtkFileChooserAction);
extern GtkWidget *gtk_dialog_add_button(GtkDialog *, const gchar
*, gint);
extern GType gtk_label_get_type(void);
extern GType gtk_accel_group_get_type(void);
extern                                          GtkSelectionMode
gtk_icon_view_get_selection_mode(GtkIconView *);
extern GtkStyle *gtk_style_attach(GtkStyle *, GdkWindow *);
extern void gtk_item_select(GtkItem *);
extern  void  gtk_combo_box_set_column_span_column(GtkComboBox  *,
gint);
extern GtkWidget *gtk_file_selection_new(const gchar *);
extern    GtkWidget    *gtk_plug_new_for_display(GdkDisplay    *,
GdkNativeWindow);
extern GtkAccelGroup *gtk_accel_group_new(void);
extern void gtk_grab_add(GtkWidget *);
extern                        const                        gchar
*gtk_about_dialog_get_logo_icon_name(GtkAboutDialog *);
extern GtkWidget *gtk_radio_menu_item_new_with_mnemonic(GSList *,
                                                        const
gchar *);
extern gboolean gtk_window_get_focus_on_map(GtkWindow *);
extern GType gtk_radio_menu_item_get_type(void);
extern const gchar *gtk_entry_get_text(GtkEntry *);
extern GtkUIManager *gtk_ui_manager_new(void);
extern gboolean gtk_action_group_get_visible(GtkActionGroup *);
extern gboolean gtk_tree_store_iter_is_valid(GtkTreeStore *,
                                            GtkTreeIter *);
```

```
extern void gtk_container_child_set(GtkContainer *, GtkWidget *,
                                    const gchar *, ...);
extern gboolean gtk_rc_property_parse_border(const GParamSpec *,
                                             const   GString   *,
GValue *);
extern void gtk_binding_entry_clear(GtkBindingSet *, guint,
                                    GdkModifierType);
extern    void    gtk_menu_shell_select_first(GtkMenuShell    *,
gboolean);
extern  void  gtk_scrolled_window_set_placement(GtkScrolledWindow
*,
                                                GtkCornerType);
extern   void   gtk_frame_set_label_align(GtkFrame   *,   gfloat,
gfloat);
extern GtkWidget *gtk_combo_box_new_text(void);
extern   void   gtk_text_view_add_child_at_anchor(GtkTextView   *,
GtkWidget *,
                                                GtkTextChildAnchor
*);
extern GtkWidget *gtk_vscrollbar_new(GtkAdjustment *);
extern  void  gtk_separator_tool_item_set_draw(GtkSeparatorToolItem
*,
                                             gboolean);
extern gboolean gtk_toggle_button_get_active(GtkToggleButton *);
extern void gtk_clipboard_store(GtkClipboard *);
extern              const              gchar              *const
*gtk_about_dialog_get_authors(GtkAboutDialog *);
extern GType gtk_vbutton_box_get_type(void);
extern                                                      void
gtk_tree_view_column_cell_set_cell_data(GtkTreeViewColumn *,
                                                GtkTreeModel
*,
                                                GtkTreeIter
*,
                                                gboolean,
gboolean);
extern GType gtk_im_context_get_type(void);
extern  gboolean  gtk_icon_size_lookup(GtkIconSize,  gint  *,  gint
*);
extern                                                GtkTreeView
*gtk_tree_selection_get_tree_view(GtkTreeSelection *);
extern    void    gtk_expander_set_use_underline(GtkExpander    *,
gboolean);
extern GtkBindingSet *gtk_binding_set_new(const gchar *);
extern gchar *gtk_accelerator_name(guint, GdkModifierType);
extern gboolean gtk_expander_get_use_underline(GtkExpander *);
extern                                          GtkPositionType
gtk_handle_box_get_handle_position(GtkHandleBox *);
extern GSList *gtk_ui_manager_get_toplevels(GtkUIManager *,

GtkUIManagerItemType);
extern gboolean gtk_im_context_filter_keypress(GtkIMContext *,
                                               GdkEventKey *);
extern void gtk_range_set_value(GtkRange *, gdouble);
extern gboolean
gtk_font_selection_dialog_set_font_name(GtkFontSelectionDialog *,
                                        const gchar *);
extern GtkStateType gtk_icon_source_get_state(const GtkIconSource
*);
extern GType gtk_spin_button_update_policy_get_type(void);
extern void gtk_drag_dest_add_image_targets(GtkWidget *);
extern GtkAdjustment *gtk_layout_get_hadjustment(GtkLayout *);
extern gint gtk_notebook_page_num(GtkNotebook *, GtkWidget *);
extern void gtk_window_add_mnemonic(GtkWindow *, guint, GtkWidget
*);
```

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```
extern                                                    gboolean
gtk_tree_view_column_get_sort_indicator(GtkTreeViewColumn
                                                         *);
extern                                                      void
gtk_tree_model_filter_set_visible_column(GtkTreeModelFilter *,
                                                       gint);
extern void gtk_menu_shell_append(GtkMenuShell *, GtkWidget *);
extern GType gtk_image_menu_item_get_type(void);
extern void gtk_text_tag_table_add(GtkTextTagTable *, GtkTextTag
*);
extern guint16 gtk_color_button_get_alpha(GtkColorButton *);
extern void gtk_action_set_accel_path(GtkAction *, const gchar
*);
extern GtkTextChildAnchor *gtk_text_child_anchor_new(void);
extern void gtk_file_chooser_set_select_multiple(GtkFileChooser
*,
                                                 gboolean);
extern GType gtk_action_group_get_type(void);
extern void gtk_tree_view_column_pack_end(GtkTreeViewColumn *,
                                          GtkCellRenderer      *,
gboolean);
extern const gchar *gtk_menu_get_title(GtkMenu *);
extern GtkWidget *gtk_icon_view_new(void);
extern                                                    gboolean
gtk_color_selection_is_adjusting(GtkColorSelection *);
extern void gtk_tree_view_set_row_separator_func(GtkTreeView *,

GtkTreeViewRowSeparatorFunc,
                                                 gpointer,

GtkDestroyNotify);
extern void gtk_adjustment_set_value(GtkAdjustment *, gdouble);
extern gboolean gtk_file_chooser_get_local_only(GtkFileChooser
*);
extern gboolean gtk_tree_view_get_hover_expand(GtkTreeView *);
extern gboolean gtk_combo_box_get_focus_on_click(GtkComboBox *);
extern void gtk_paned_add2(GtkPaned *, GtkWidget *);
extern GdkVisual *gtk_widget_get_visual(GtkWidget *);
extern GType gtk_tree_store_get_type(void);
extern GtkIconInfo *gtk_icon_info_copy(GtkIconInfo *);
extern void gtk_icon_set_get_sizes(GtkIconSet *, GtkIconSize * *,
gint *);
extern GtkAdjustment *gtk_viewport_get_hadjustment(GtkViewport
*);
extern void gtk_combo_box_insert_text(GtkComboBox *, gint, const
gchar *);
extern                                                      void
gtk_tree_model_sort_convert_iter_to_child_iter(GtkTreeModelSort
                                                            *,

GtkTreeIter *,

GtkTreeIter *);
extern gboolean gtk_scale_get_draw_value(GtkScale *);
extern gint gtk_combo_box_entry_get_text_column(GtkComboBoxEntry
*);
extern GType gtk_about_dialog_get_type(void);
extern void gtk_im_context_set_use_preedit(GtkIMContext *,
gboolean);
extern void gtk_list_store_insert_with_valuesv(GtkListStore *,
                                               GtkTreeIter      *,
gint, gint *,
                                               GValue *, gint);
extern void gtk_notebook_set_scrollable(GtkNotebook *, gboolean);
extern void gtk_frame_set_shadow_type(GtkFrame *, GtkShadowType);
extern gchar *gtk_editable_get_chars(GtkEditable *, gint, gint);
```

```
extern gboolean gtk_text_view_backward_display_line(GtkTextView
*,
                                                    GtkTextIter
*);
extern GType gtk_icon_theme_error_get_type(void);
extern gint gtk_paned_get_position(GtkPaned *);
extern void gtk_widget_set_extension_events(GtkWidget *,
GdkExtensionMode);
extern GtkTargetList *gtk_drag_dest_get_target_list(GtkWidget *);
extern void gtk_main(void);
extern                                                gboolean
gtk_toggle_button_get_inconsistent(GtkToggleButton *);
extern gboolean gtk_alternative_dialog_button_order(GdkScreen *);
extern void gtk_window_set_mnemonic_modifier(GtkWindow *,
GdkModifierType);
extern void gtk_widget_set_default_colormap(GdkColormap *);
extern gboolean gtk_accel_map_lookup_entry(const gchar *,
GtkAccelKey *);
extern GtkWidget *gtk_about_dialog_new(void);
extern gboolean gtk_clipboard_set_with_data(GtkClipboard *,
                                            const GtkTargetEntry
*, guint,
                                            GtkClipboardGetFunc,

GtkClipboardClearFunc,
                                            gpointer);
extern GtkWidget *gtk_button_new(void);
extern                                                GList
*gtk_tree_selection_get_selected_rows(GtkTreeSelection *,
                                                  GtkTreeModel *
*);
extern void gtk_tree_selection_select_all(GtkTreeSelection *);
extern GType gtk_menu_direction_type_get_type(void);
extern void gtk_action_set_visible(GtkAction *, gboolean);
extern GtkTooltipsData *gtk_tooltips_data_get(GtkWidget *);
extern void gtk_tree_store_move_after(GtkTreeStore *, GtkTreeIter
*,
                                      GtkTreeIter *);
extern                                                     void
gtk_text_buffer_insert_with_tags_by_name(GtkTextBuffer *,
                                                       GtkTextIter
*,
                                                       const gchar
*, gint,
                                                       const gchar
*, ...);
extern gboolean gtk_statusbar_get_has_resize_grip(GtkStatusbar
*);
extern GdkGravity gtk_window_get_gravity(GtkWindow *);
extern GtkWidget *gtk_image_menu_item_new(void);
extern void gtk_button_leave(GtkButton *);
extern void gtk_text_buffer_insert_pixbuf(GtkTextBuffer *,
GtkTextIter *,
                                          GdkPixbuf *);
extern void gtk_action_group_add_radio_actions(GtkActionGroup *,
                                               const
GtkRadioActionEntry *,
                                               guint,       gint,
GCallback,
                                               gpointer);
extern GtkWidget *gtk_vscale_new_with_range(gdouble, gdouble,
gdouble);
extern void gtk_text_buffer_delete_mark(GtkTextBuffer *,
GtkTextMark *);
extern GType gtk_viewport_get_type(void);
extern void gtk_notebook_set_current_page(GtkNotebook *, gint);
```

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```
extern void gtk_text_view_get_line_yrange(GtkTextView *,
                                          const   GtkTextIter   *,
gint *,
                                          gint *);
extern gint gtk_combo_box_get_wrap_width(GtkComboBox *);
extern  void  gtk_image_get_pixmap(GtkImage  *,  GdkPixmap  *  *,
GdkBitmap * *);
extern  void  gtk_show_about_dialog(GtkWindow  *,  const  gchar  *,
...);
extern  gint  gtk_tree_view_column_get_min_width(GtkTreeViewColumn
*);
extern GtkWidget *gtk_toggle_button_new(void);
extern void gtk_drag_dest_add_uri_targets(GtkWidget *);
extern  void  gtk_scrolled_window_set_shadow_type(GtkScrolledWindow
*,
                                                  GtkShadowType);
extern                                             GtkTextAttributes
*gtk_text_attributes_copy(GtkTextAttributes *);
extern    void    gtk_combo_box_set_active_iter(GtkComboBox    *,
GtkTreeIter *);
extern void gtk_table_resize(GtkTable *, guint, guint);
extern  GtkWidget  *gtk_aspect_frame_new(const  gchar  *,  gfloat,
gfloat,
                                         gfloat, gboolean);
extern     gint     gtk_tree_view_insert_column(GtkTreeView     *,
GtkTreeViewColumn *,
                                          gint);
extern   void   gtk_image_get_stock(GtkImage   *,   gchar   *   *,
GtkIconSize *);
extern void gtk_label_select_region(GtkLabel *, gint, gint);
extern void gtk_tree_selection_unselect_all(GtkTreeSelection *);
extern void gtk_curve_set_gamma(GtkCurve *, gfloat);
extern void gtk_window_unfullscreen(GtkWindow *);
extern GtkWidget *gtk_button_new_with_label(const gchar *);
extern const gchar *gtk_label_get_text(GtkLabel *);
extern GtkWidget *gtk_frame_get_label_widget(GtkFrame *);
extern GtkStyle *gtk_widget_get_style(GtkWidget *);
extern GtkToolItem *gtk_tool_button_new(GtkWidget *, const gchar
*);
extern void gtk_menu_item_select(GtkMenuItem *);
extern void gtk_tree_view_set_column_drag_function(GtkTreeView *,

GtkTreeViewColumnDropFunc,
                                                   gpointer,

GtkDestroyNotify);
extern   void   gtk_paint_vline(GtkStyle   *,   GdkWindow   *,
GtkStateType,
                           GdkRectangle  *,  GtkWidget  *,  const
gchar *,
                           gint, gint, gint);
extern gboolean gtk_event_box_get_visible_window(GtkEventBox *);
extern                                                     gboolean
gtk_tree_drag_dest_row_drop_possible(GtkTreeDragDest *,
                                                     GtkTreePath
*,

GtkSelectionData *);
extern gboolean gtk_tool_item_get_is_important(GtkToolItem *);
extern void gtk_key_snooper_remove(guint);
extern  void  gtk_settings_set_long_property(GtkSettings  *,  const
gchar *,
                                             glong, const gchar *);
extern void gtk_action_group_add_toggle_actions(GtkActionGroup *,
                                                const
GtkToggleActionEntry
```

```
                                                    *,          guint,
gpointer);
extern void gtk_frame_set_label(GtkFrame *, const gchar *);
extern guint gtk_accel_label_get_accel_width(GtkAccelLabel *);
extern                                                  GtkTreeModel
*gtk_tree_model_sort_get_model(GtkTreeModelSort *);
extern   void   gtk_image_menu_item_set_image(GtkImageMenuItem   *,
GtkWidget *);
extern   GtkWidget   *gtk_image_menu_item_new_with_mnemonic(const
gchar *);
extern void gtk_label_set_markup_with_mnemonic(GtkLabel *, const
gchar *);
extern void gtk_tooltips_disable(GtkTooltips *);
extern GType gtk_cell_renderer_pixbuf_get_type(void);
extern GtkWidget *gtk_widget_get_ancestor(GtkWidget *, GType);
extern gboolean gtk_widget_intersect(GtkWidget *, GdkRectangle *,
                                     GdkRectangle *);
extern GtkWidget *gtk_toolbar_new(void);
extern  void  gtk_text_view_set_pixels_inside_wrap(GtkTextView  *,
gint);
extern   void   gtk_container_child_get_property(GtkContainer   *,
GtkWidget *,
                                                 const    gchar    *,
GValue *);
extern    void    gtk_text_view_get_visible_rect(GtkTextView    *,
GdkRectangle *);
extern     void     gtk_cell_layout_reorder(GtkCellLayout     *,
GtkCellRenderer *,
                                     gint);
extern GtkWidget *gtk_menu_bar_new(void);
extern GType gtk_separator_tool_item_get_type(void);
extern void gtk_button_pressed(GtkButton *);
extern gint gtk_combo_box_get_row_span_column(GtkComboBox *);
extern  gboolean  gtk_text_tag_event(GtkTextTag  *,  GObject  *,
GdkEvent *,
                                    const GtkTextIter *);
extern GtkWidget *gtk_gamma_curve_new(void);
extern  gboolean  gtk_calendar_select_month(GtkCalendar  *,  guint,
guint);
extern void gtk_window_deiconify(GtkWindow *);
extern void gtk_plug_construct(GtkPlug *, GdkNativeWindow);
extern gboolean gtk_text_iter_backward_word_starts(GtkTextIter *,
gint);
extern                        const                        gchar
*gtk_file_chooser_button_get_title(GtkFileChooserButton
                                                        *);
extern gchar *gtk_text_iter_get_slice(const GtkTextIter *,
                                      const GtkTextIter *);
extern guint gtk_spin_button_get_digits(GtkSpinButton *);
extern void gtk_image_set_from_icon_set(GtkImage *, GtkIconSet *,
                                        GtkIconSize);
extern gboolean gtk_file_chooser_select_uri(GtkFileChooser *,
                                            const char *);
extern  void  gtk_container_set_focus_chain(GtkContainer  *,  GList
*);
extern void gtk_stock_item_free(GtkStockItem *);
extern void gtk_menu_popup(GtkMenu *, GtkWidget *, GtkWidget *,
                           GtkMenuPositionFunc,  gpointer,  guint,
guint32);
extern GtkProgressBarOrientation
gtk_progress_bar_get_orientation(GtkProgressBar *);
extern  void  gtk_list_store_set(GtkListStore  *,  GtkTreeIter  *,
...);
extern void gtk_action_group_set_translate_func(GtkActionGroup *,
                                                GtkTranslateFunc,
gpointer,
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```
GtkDestroyNotify);
extern   GtkWidget   *gtk_image_new_from_stock(const   gchar   *,
GtkIconSize);
extern void gtk_box_pack_end_defaults(GtkBox *, GtkWidget *);
extern void gtk_toolbar_set_style(GtkToolbar *, GtkToolbarStyle);
extern GtkAccelGroup *gtk_accel_group_from_accel_closure(GClosure
*);
extern GType gtk_container_get_type(void);
extern void gtk_about_dialog_set_version(GtkAboutDialog *, const
gchar *);
extern gboolean gtk_file_chooser_set_uri(GtkFileChooser *, const
char *);
extern void gtk_tree_model_filter_refilter(GtkTreeModelFilter *);
extern void gtk_tooltips_force_window(GtkTooltips *);
extern GtkWidget *gtk_tree_view_new_with_model(GtkTreeModel *);
extern    void    gtk_tree_model_row_inserted(GtkTreeModel    *,
GtkTreePath *,
                                        GtkTreeIter *);
extern GdkModifierType gtk_window_get_mnemonic_modifier(GtkWindow
*);
extern  void  gtk_tooltips_set_tip(GtkTooltips  *,  GtkWidget  *,
const gchar *,
                                 const gchar *);
extern void gtk_cell_layout_set_cell_data_func(GtkCellLayout *,
                                               GtkCellRenderer *,

GtkCellLayoutDataFunc,
                                               gpointer,
GDestroyNotify);
extern gboolean gtk_selection_data_set_text(GtkSelectionData *,
                                            const gchar *, gint);
extern                                         GtkTreeRowReference
*gtk_tree_row_reference_new(GtkTreeModel *,

GtkTreePath *);
extern    void    gtk_widget_set_double_buffered(GtkWidget    *,
gboolean);
extern gint gtk_combo_box_get_active(GtkComboBox *);
extern  void  gtk_tool_button_set_label(GtkToolButton  *,  const
gchar *);
extern gboolean gtk_text_iter_forward_to_line_end(GtkTextIter *);
extern  gboolean  gtk_clipboard_wait_for_targets(GtkClipboard  *,
GdkAtom * *,
                                               gint *);
extern gboolean gtk_text_buffer_delete_selection(GtkTextBuffer *,
gboolean,
                                                 gboolean);
extern void gtk_spin_button_set_wrap(GtkSpinButton *, gboolean);
extern GType gtk_input_dialog_get_type(void);
extern                        const                        gchar
*gtk_file_selection_get_filename(GtkFileSelection *);
extern gboolean gtk_tree_set_row_drag_data(GtkSelectionData *,
                                           GtkTreeModel        *,
GtkTreePath *);
extern GtkWidget *gtk_widget_get_toplevel(GtkWidget *);
extern void gtk_menu_set_accel_group(GtkMenu *, GtkAccelGroup *);
extern GType gtk_socket_get_type(void);
extern gboolean gtk_widget_set_scroll_adjustments(GtkWidget *,
                                                  GtkAdjustment
*,
                                                  GtkAdjustment
*);
extern void gtk_selection_data_free(GtkSelectionData *);
extern  gboolean  gtk_selection_data_set_uris(GtkSelectionData  *,
gchar * *);
```

```
extern GType gtk_text_tag_table_get_type(void);
extern void gtk_entry_completion_insert_prefix(GtkEntryCompletion
*);
extern GType gtk_window_group_get_type(void);
extern void gtk_action_set_sensitive(GtkAction *, gboolean);
extern GtkTextBuffer *gtk_text_view_get_buffer(GtkTextView *);
extern gboolean gtk_icon_theme_has_icon(GtkIconTheme *, const
char *);
extern void gtk_label_set_selectable(GtkLabel *, gboolean);
extern gboolean
gtk_file_chooser_set_current_folder_uri(GtkFileChooser *,
const
gchar *);
extern gdouble gtk_label_get_angle(GtkLabel *);
extern GtkSettings *gtk_widget_get_settings(GtkWidget *);
extern GSList *gtk_text_iter_get_tags(const GtkTextIter *);
extern void gtk_tree_view_column_add_attribute(GtkTreeViewColumn
*,
GtkCellRenderer *,
const gchar *,
gint);
extern void gtk_menu_popdown(GtkMenu *);
extern void
gtk_tree_model_sort_reset_default_sort_func(GtkTreeModelSort
*);
extern void gtk_tooltips_enable(GtkTooltips *);
extern void gtk_expander_set_spacing(GtkExpander *, gint);
extern gint gtk_entry_layout_index_to_text_index(GtkEntry *,
gint);
extern gdouble gtk_progress_bar_get_pulse_step(GtkProgressBar *);
extern gboolean
gtk_text_iter_backward_visible_word_start(GtkTextIter *);
extern void gtk_expander_set_label(GtkExpander *, const gchar *);
extern void gtk_text_buffer_get_iter_at_line_index(GtkTextBuffer
*,
GtkTextIter *,
gint,
gint);
extern guint gtk_ui_manager_add_ui_from_string(GtkUIManager *,
const gchar *,
gssize,
GError * *);
extern gboolean gtk_icon_info_get_embedded_rect(GtkIconInfo *,
GdkRectangle *);
extern void gtk_widget_queue_resize(GtkWidget *);
extern GType gtk_tree_path_get_type(void);
extern void gtk_notebook_set_tab_label_text(GtkNotebook *,
GtkWidget *,
const gchar *);
extern GtkWidget *gtk_dialog_new(void);
extern GtkIconSize gtk_toolbar_get_icon_size(GtkToolbar *);
extern void gtk_widget_hide(GtkWidget *);
extern GtkIconSet *gtk_icon_factory_lookup_default(const gchar
*);
extern GtkWidget *gtk_tree_view_new(void);
extern gboolean
gtk_text_iter_forward_visible_cursor_position(GtkTextIter
*);
extern void gtk_paint_layout(GtkStyle *, GdkWindow *,
GtkStateType,
gboolean, GdkRectangle *, GtkWidget
*,
const gchar *, gint, gint,
PangoLayout *);
extern gboolean gtk_button_get_use_stock(GtkButton *);
extern void gtk_list_store_clear(GtkListStore *);
```

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```
extern void gtk_widget_set_app_paintable(GtkWidget *, gboolean);
extern void gtk_gc_release(GdkGC *);
extern void gtk_text_view_get_iter_at_location(GtkTextView *,
                                               GtkTextIter      *,
gint, gint);
extern                                                    gboolean
gtk_text_view_backward_display_line_start(GtkTextView *,

GtkTextIter *);
extern void gtk_text_mark_set_visible(GtkTextMark *, gboolean);
extern                                                          gint
gtk_file_chooser_button_get_width_chars(GtkFileChooserButton
                                                         *);
extern GType gtk_anchor_type_get_type(void);
extern gboolean gtk_tree_view_get_reorderable(GtkTreeView *);
extern GType gtk_hruler_get_type(void);
extern void gtk_icon_source_set_icon_name(GtkIconSource *, const
gchar *);
extern gboolean gtk_init_with_args(int *, char ***, char *,
GOptionEntry *,
                                   char *, GError * *);
extern                                                          void
gtk_cell_renderer_toggle_set_radio(GtkCellRendererToggle *,
                                               gboolean);
extern void gtk_window_set_destroy_with_parent(GtkWindow *,
gboolean);
extern gboolean gtk_entry_get_visibility(GtkEntry *);
extern GtkTreePath *gtk_tree_path_new_from_indices(gint, ...);
extern                                            PangoEllipsizeMode
gtk_progress_bar_get_ellipsize(GtkProgressBar *);
extern void gtk_list_store_insert_with_values(GtkListStore *,
                                              GtkTreeIter      *,
gint, ...);
extern void gtk_color_button_set_color(GtkColorButton *, const
GdkColor *);
extern gboolean gtk_tree_path_is_ancestor(GtkTreePath *,
GtkTreePath *);
extern guint gtk_table_get_default_row_spacing(GtkTable *);
extern                                                     GtkWidget
*gtk_entry_completion_get_entry(GtkEntryCompletion *);
extern GType gtk_progress_bar_get_type(void);
extern gunichar gtk_text_iter_get_char(const GtkTextIter *);
extern const gchar *gtk_color_button_get_title(GtkColorButton *);
extern GtkTargetList *gtk_drag_source_get_target_list(GtkWidget
*);
extern gboolean gtk_text_iter_ends_tag(const GtkTextIter *,
GtkTextTag *);
extern void gtk_cell_layout_clear(GtkCellLayout *);
extern gboolean gtk_binding_set_activate(GtkBindingSet *, guint,
                                         GdkModifierType,
GtkObject *);
extern void gtk_toolbar_set_drop_highlight_item(GtkToolbar *,
                                                GtkToolItem     *,
gint);
extern void gtk_curve_set_range(GtkCurve *, gfloat, gfloat,
gfloat,
                                gfloat);
extern void gtk_accel_group_unlock(GtkAccelGroup *);
extern void gtk_combo_box_remove_text(GtkComboBox *, gint);
extern GType gtk_message_dialog_get_type(void);
extern void gtk_button_set_relief(GtkButton *, GtkReliefStyle);
extern void gtk_file_filter_add_pattern(GtkFileFilter *, const
gchar *);
extern void gtk_widget_map(GtkWidget *);
extern void gtk_container_child_get(GtkContainer *, GtkWidget *,
                                    const gchar *, ...);
```

```
extern GType gtk_policy_type_get_type(void);
extern void gtk_ui_manager_ensure_update(GtkUIManager *);
extern    gint    gtk_notebook_insert_page_menu(GtkNotebook    *,
GtkWidget *,
                                                GtkWidget  *,  GtkWidget
*, gint);
extern                                                          gboolean
gtk_tree_view_column_cell_get_position(GtkTreeViewColumn *,

GtkCellRenderer *,
                                                                gint     *,
gint *);
extern gboolean gtk_toolbar_get_show_arrow(GtkToolbar *);
extern   gboolean   gtk_cell_view_get_size_of_row(GtkCellView   *,
GtkTreePath *,
                                                    GtkRequisition *);
extern void gtk_curve_get_vector(GtkCurve *, int, gfloat *);
extern    void    gtk_drag_source_set_icon_pixbuf(GtkWidget    *,
GdkPixbuf *);
extern GType gtk_file_filter_get_type(void);
extern void gtk_clipboard_set_can_store(GtkClipboard *,
                                          const  GtkTargetEntry  *,
gint);
extern  void  gtk_tree_view_tree_to_widget_coords(GtkTreeView  *,
gint, gint,
                                                   gint *, gint *);
extern void gtk_tree_view_enable_model_drag_dest(GtkTreeView *,
                                                    const
GtkTargetEntry *,
                                                    gint,
GdkDragAction);
extern void gtk_clipboard_request_image(GtkClipboard *,

GtkClipboardImageReceivedFunc,
                                          gpointer);
extern  const  gchar  *gtk_about_dialog_get_version(GtkAboutDialog
*);
extern GtkTreeModel *gtk_combo_box_get_model(GtkComboBox *);
extern                                                        GtkWidget
*gtk_tool_item_retrieve_proxy_menu_item(GtkToolItem *);
extern void gtk_action_activate(GtkAction *);
extern GtkWidget *gtk_vpaned_new(void);
extern GType gtk_curve_get_type(void);
extern const gchar *gtk_label_get_label(GtkLabel *);
extern GType gtk_toggle_button_get_type(void);
extern void gtk_cell_layout_set_attributes(GtkCellLayout *,
                                             GtkCellRenderer      *,
...);
extern   void   gtk_tree_view_set_cursor_on_cell(GtkTreeView   *,
GtkTreePath *,
                                               GtkTreeViewColumn *,
                                               GtkCellRenderer    *,
gboolean);
extern GType gtk_file_filter_flags_get_type(void);
extern  void  gtk_tree_model_ref_node(GtkTreeModel  *,  GtkTreeIter
*);
extern gchar *gtk_tree_path_to_string(GtkTreePath *);
extern gboolean gtk_rc_property_parse_enum(const GParamSpec *,
                                             const    GString    *,
GValue *);
extern  void  gtk_file_chooser_set_use_preview_label(GtkFileChooser
*,
                                                        gboolean);
extern GType gtk_icon_size_get_type(void);
extern   void   gtk_statusbar_set_has_resize_grip(GtkStatusbar   *,
gboolean);
```

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```
extern                                                  GtkTreeModel
*gtk_entry_completion_get_model(GtkEntryCompletion *);
extern GtkPositionType gtk_notebook_get_tab_pos(GtkNotebook *);
extern GtkTreeViewRowSeparatorFunc
gtk_combo_box_get_row_separator_func(GtkComboBox *);
extern void gtk_accel_map_save(const gchar *);
extern GtkCellRenderer *gtk_cell_renderer_text_new(void);
extern void gtk_menu_set_title(GtkMenu *, const gchar *);
extern GType gtk_tool_item_get_type(void);
extern GdkWindow *gtk_text_view_get_window(GtkTextView *,
                                           GtkTextWindowType);
extern void gtk_spin_button_set_update_policy(GtkSpinButton *,

GtkSpinButtonUpdatePolicy);
extern guint gtk_rc_parse_color(GScanner *, GdkColor *);
extern void
gtk_font_selection_dialog_set_preview_text(GtkFontSelectionDialog
*,
                                           const gchar *);
extern                                             GtkAdjustment
*gtk_scrolled_window_get_vadjustment(GtkScrolledWindow
                                                          *);
extern void gtk_menu_shell_deactivate(GtkMenuShell *);
extern   char   *gtk_icon_theme_get_example_icon_name(GtkIconTheme
*);
extern const guint gtk_micro_version;
extern gint gtk_text_view_get_pixels_below_lines(GtkTextView *);
extern GType gtk_path_priority_type_get_type(void);
extern void gtk_window_set_accept_focus(GtkWindow *, gboolean);
extern void gtk_text_buffer_get_iter_at_offset(GtkTextBuffer *,
                                                GtkTextIter      *,
gint);
extern void gtk_statusbar_remove(GtkStatusbar *, guint, guint);
extern gboolean gtk_menu_item_get_right_justified(GtkMenuItem *);
extern                                                    gboolean
gtk_separator_tool_item_get_draw(GtkSeparatorToolItem *);
extern GtkWidget *gtk_calendar_new(void);
extern void gtk_entry_completion_set_model(GtkEntryCompletion *,
                                           GtkTreeModel *);
extern void gtk_text_buffer_place_cursor(GtkTextBuffer *,
                                         const GtkTextIter *);
extern void gtk_list_store_insert(GtkListStore *, GtkTreeIter *,
gint);
extern gboolean gtk_events_pending(void);
extern                                            GtkCellEditable
*gtk_cell_renderer_start_editing(GtkCellRenderer *,
                                                        GdkEvent
*,
                                                        GtkWidget
*,
                                                        const
gchar *,

GdkRectangle *,

GdkRectangle *,

GtkCellRendererState);
extern void gtk_cell_editable_remove_widget(GtkCellEditable *);
extern GList *gtk_widget_list_accel_closures(GtkWidget *);
extern gint *gtk_icon_theme_get_icon_sizes(GtkIconTheme *, const
char *);
extern void gtk_action_group_add_actions_full(GtkActionGroup *,
                                              const
GtkActionEntry *,
                                              guint, gpointer,
```

```
                                                GDestroyNotify);
extern void gtk_spin_button_set_adjustment(GtkSpinButton *,
                                           GtkAdjustment *);
extern                                                        void
gtk_tree_model_sort_convert_child_iter_to_iter(GtkTreeModelSort
                                                              *,

GtkTreeIter *,

GtkTreeIter *);
extern  GtkWidget  *gtk_image_menu_item_get_image(GtkImageMenuItem
*);
extern void gtk_main_quit(void);
extern  void  gtk_widget_size_request(GtkWidget  *,  GtkRequisition
*);
extern void gtk_window_set_default_icon_list(GList *);
extern void gtk_widget_push_composite_child(void);
extern void gtk_paned_add1(GtkPaned *, GtkWidget *);
extern  gboolean  gtk_selection_data_get_targets(GtkSelectionData
*,
                                                 GdkAtom  *  *,  gint
*);
extern                                            GtkTextAttributes
*gtk_text_view_get_default_attributes(GtkTextView

*);
extern                                                   GtkTreeModel
*gtk_tree_model_sort_new_with_model(GtkTreeModel *);
extern GSList *gtk_radio_button_get_group(GtkRadioButton *);
extern GType gtk_sort_type_get_type(void);
extern gboolean gtk_tool_item_get_use_drag_window(GtkToolItem *);
extern    gint    gtk_notebook_prepend_page_menu(GtkNotebook    *,
GtkWidget *,
                                           GtkWidget  *,  GtkWidget
*);
extern GType gtk_tree_model_get_type(void);
extern  void  gtk_check_menu_item_set_inconsistent(GtkCheckMenuItem
*,
                                                   gboolean);
extern GType gtk_tree_drag_dest_get_type(void);
extern GtkWidget *gtk_hscale_new(GtkAdjustment *);
extern  void  gtk_tree_view_column_set_min_width(GtkTreeViewColumn
*, gint);
extern                                                 GtkAdjustment
*gtk_scrolled_window_get_hadjustment(GtkScrolledWindow
                                                                 *);
extern   gboolean   gtk_text_buffer_backspace(GtkTextBuffer   *,
GtkTextIter *,
                                          gboolean, gboolean);
extern void gtk_tool_item_set_expand(GtkToolItem *, gboolean);
extern GType gtk_icon_info_get_type(void);
extern   gint   gtk_tree_model_iter_n_children(GtkTreeModel   *,
GtkTreeIter *);
extern GtkReliefStyle gtk_toolbar_get_relief_style(GtkToolbar *);
extern void gtk_button_set_image(GtkButton *, GtkWidget *);
extern   void   gtk_paint_shadow_gap(GtkStyle   *,   GdkWindow   *,
GtkStateType,
                                GtkShadowType, GdkRectangle *,
                                GtkWidget   *,   gchar   *,   gint,
gint, gint,
                                gint,   GtkPositionType,   gint,
gint);
extern void gtk_window_set_modal(GtkWindow *, gboolean);
extern void gtk_spin_button_get_range(GtkSpinButton *, gdouble *,
                                      gdouble *);
extern gint gtk_image_get_pixel_size(GtkImage *);
```

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```
extern void gtk_text_view_get_iter_location(GtkTextView *,
                                            const GtkTextIter *,
                                            GdkRectangle *);
extern     void     gtk_tree_view_row_activated(GtkTreeView     *,
GtkTreePath *,
                                        GtkTreeViewColumn *);
extern    void    gtk_container_set_focus_child(GtkContainer    *,
GtkWidget *);
extern gboolean gtk_accel_groups_activate(GObject *, guint,
                                          GdkModifierType);
extern GtkTextIter *gtk_text_iter_copy(const GtkTextIter *);
extern gboolean gtk_action_is_sensitive(GtkAction *);
extern void gtk_tree_store_set_valist(GtkTreeStore *, GtkTreeIter
*,
                                      va_list);
extern  void  gtk_radio_button_set_group(GtkRadioButton  *,  GSList
*);
extern  void  gtk_alignment_get_padding(GtkAlignment  *,  guint  *,
guint *,
                                      guint *, guint *);
extern gboolean gtk_text_iter_starts_word(const GtkTextIter *);
extern void gtk_calendar_clear_marks(GtkCalendar *);
extern GType gtk_box_get_type(void);
extern  void  gtk_widget_path(GtkWidget  *,  guint  *,  gchar  *  *,
gchar * *);
extern gboolean gtk_menu_get_tearoff_state(GtkMenu *);
extern void gtk_window_stick(GtkWindow *);
extern gint gtk_widget_get_events(GtkWidget *);
extern GType gtk_cell_renderer_state_get_type(void);
extern void gtk_text_attributes_unref(GtkTextAttributes *);
extern                                                  gboolean
gtk_tree_view_column_get_resizable(GtkTreeViewColumn *);
extern                                                       void
gtk_entry_completion_insert_action_markup(GtkEntryCompletion *,
                                                         gint,  const
gchar *);
extern GType gtk_ruler_get_type(void);
extern GType gtk_wrap_mode_get_type(void);
extern GType gtk_paned_get_type(void);
extern   void   gtk_text_view_set_cursor_visible(GtkTextView   *,
gboolean);
extern  gboolean  gtk_target_list_find(GtkTargetList  *,  GdkAtom,
guint *);
extern GtkWidget *gtk_cell_view_new_with_text(const gchar *);
extern   void   gtk_editable_select_region(GtkEditable   *,   gint,
gint);
extern gchar *gtk_clipboard_wait_for_text(GtkClipboard *);
extern                                                  gboolean
gtk_color_selection_get_has_palette(GtkColorSelection *);
extern GType gtk_text_search_flags_get_type(void);
extern                                                       gint
gtk_tree_view_insert_column_with_data_func(GtkTreeView *, gint,
                                                        const
gchar *,

GtkCellRenderer *,

GtkTreeCellDataFunc,
                                                        gpointer,

GDestroyNotify);
extern GtkTextTagTable *gtk_text_tag_table_new(void);
extern gboolean gtk_notebook_get_show_border(GtkNotebook *);
extern                                                       void
gtk_container_class_install_child_property(GtkContainerClass *,
                                                        guint,
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                                                        GParamSpec
*);
extern   void   gtk_font_button_set_show_style(GtkFontButton   *,
gboolean);
extern    void    gtk_cell_layout_pack_start(GtkCellLayout    *,
GtkCellRenderer *,
                                        gboolean);
extern GtkAction *gtk_action_group_get_action(GtkActionGroup *,
                                            const gchar *);
extern GtkWidget *gtk_color_selection_dialog_new(const gchar *);
extern GtkEntryCompletion *gtk_entry_get_completion(GtkEntry *);
extern  GtkToggleAction  *gtk_toggle_action_new(const  gchar  *,
const gchar *,
                                            const gchar *,
                                            const gchar *);
extern    void    gtk_file_chooser_set_filter(GtkFileChooser    *,
GtkFileFilter *);
extern gint gtk_text_iter_get_line_offset(const GtkTextIter *);
extern void gtk_text_view_set_indent(GtkTextView *, gint);
extern void gtk_widget_set_style(GtkWidget *, GtkStyle *);
extern void gtk_toolbar_unset_style(GtkToolbar *);
extern GType gtk_hbutton_box_get_type(void);
extern GtkWidget *gtk_file_chooser_button_new(const gchar *,

GtkFileChooserAction);
extern void gtk_combo_box_popup(GtkComboBox *);
extern void gtk_border_free(GtkBorder *);
extern                                                      void
gtk_message_dialog_format_secondary_text(GtkMessageDialog *,
                                                      const   gchar
*, ...);
extern GtkListStore *gtk_list_store_new(gint, ...);
extern void gtk_rc_style_ref(GtkRcStyle *);
extern guint32 gtk_get_current_event_time(void);
extern void gtk_container_unset_focus_chain(GtkContainer *);
extern void gtk_text_iter_set_offset(GtkTextIter *, gint);
extern    void    gtk_container_set_border_width(GtkContainer    *,
guint);
extern void gtk_selection_remove_all(GtkWidget *);
extern  GtkReliefStyle  gtk_tool_item_get_relief_style(GtkToolItem
*);
extern void gtk_toggle_button_toggled(GtkToggleButton *);
extern void gtk_adjustment_value_changed(GtkAdjustment *);
extern gboolean gtk_widget_hide_on_delete(GtkWidget *);
extern GType gtk_container_child_type(GtkContainer *);
extern  void  gtk_ruler_set_range(GtkRuler  *,  gdouble,  gdouble,
gdouble,
                                gdouble);
extern PangoLayout *gtk_entry_get_layout(GtkEntry *);
extern  void  gtk_tree_sortable_sort_column_changed(GtkTreeSortable
*);
extern void gtk_menu_shell_cancel(GtkMenuShell *);
extern guint gtk_table_get_col_spacing(GtkTable *, guint);
extern const gchar *gtk_button_get_label(GtkButton *);
extern GList *gtk_ui_manager_get_action_groups(GtkUIManager *);
extern   void   gtk_action_group_set_sensitive(GtkActionGroup   *,
gboolean);
extern  GtkWidget  *gtk_check_button_new_with_mnemonic(const  gchar
*);
extern void gtk_widget_unparent(GtkWidget *);
extern  void  gtk_widget_add_accelerator(GtkWidget  *,  const  gchar
*,
                                        GtkAccelGroup *, guint,
                                        GdkModifierType,
GtkAccelFlags);
extern guint gtk_ui_manager_new_merge_id(GtkUIManager *);
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```
extern gboolean gtk_text_iter_backward_find_char(GtkTextIter *,

GtkTextCharPredicate,
                                                gpointer,
                                                const
GtkTextIter *);
extern                                                  gboolean
gtk_file_chooser_get_select_multiple(GtkFileChooser *);
extern gboolean gtk_event_box_get_above_child(GtkEventBox *);
extern void gtk_widget_queue_draw(GtkWidget *);
extern                                                  gboolean
gtk_text_buffer_insert_interactive_at_cursor(GtkTextBuffer
                                                            *,

const gchar *,

gint,

gboolean);
extern                                                  gboolean
gtk_selection_data_targets_include_image(GtkSelectionData
                                                          *,
gboolean);
extern GtkWidget *gtk_separator_menu_item_new(void);
extern    gboolean    gtk_widget_mnemonic_activate(GtkWidget    *,
gboolean);
extern void gtk_tree_selection_select_range(GtkTreeSelection *,
                                            GtkTreePath         *,
GtkTreePath *);
extern void gtk_file_chooser_unselect_uri(GtkFileChooser *, const
char *);
extern void gtk_style_detach(GtkStyle *);
extern  gboolean  gtk_accel_group_disconnect_key(GtkAccelGroup  *,
guint,
                                                 GdkModifierType);
extern gboolean gtk_notebook_get_show_tabs(GtkNotebook *);
extern                                                       void
gtk_file_chooser_set_preview_widget_active(GtkFileChooser *,
                                                       gboolean);
extern GList *gtk_window_get_default_icon_list(void);
extern   gboolean   gtk_text_iter_backward_lines(GtkTextIter   *,
gint);
extern void gtk_notebook_popup_disable(GtkNotebook *);
extern                                                 GtkTreeModel
*gtk_tree_model_filter_get_model(GtkTreeModelFilter *);
extern gdouble gtk_adjustment_get_value(GtkAdjustment *);
extern GtkWidget *gtk_curve_new(void);
extern void gtk_widget_get_child_requisition(GtkWidget *,
                                             GtkRequisition *);
extern gchar *gtk_rc_get_im_module_path(void);
extern void gtk_window_set_default(GtkWindow *, GtkWidget *);
extern void gtk_entry_set_text(GtkEntry *, const gchar *);
extern gboolean gtk_true(void);
extern void gtk_box_set_homogeneous(GtkBox *, gboolean);
extern void gtk_text_buffer_apply_tag(GtkTextBuffer *, GtkTextTag
*,
                                      const GtkTextIter *,
                                      const GtkTextIter *);
extern void gtk_expander_set_use_markup(GtkExpander *, gboolean);
extern GtkWidget *gtk_tearoff_menu_item_new(void);
extern GtkImageType gtk_image_get_storage_type(GtkImage *);
extern GType gtk_text_window_type_get_type(void);
extern                                                       void
gtk_text_buffer_remove_selection_clipboard(GtkTextBuffer *,

GtkClipboard *);
```

```
extern gboolean gtk_ui_manager_get_add_tearoffs(GtkUIManager *);
extern  GtkPositionType  gtk_handle_box_get_snap_edge(GtkHandleBox
*);
extern void gtk_widget_get_size_request(GtkWidget *, gint *, gint
*);
extern GType gtk_action_get_type(void);
extern gboolean gtk_window_get_accept_focus(GtkWindow *);
extern void gtk_spin_button_set_digits(GtkSpinButton *, guint);
extern   void   gtk_window_group_remove_window(GtkWindowGroup   *,
GtkWindow *);
extern gpointer gtk_type_class(GtkType);
extern                                                      void
gtk_color_selection_set_current_color(GtkColorSelection *,
                                                  const   GdkColor
*);
extern GtkSpinButtonUpdatePolicy
gtk_spin_button_get_update_policy(GtkSpinButton *);
extern void gtk_dialog_set_default_response(GtkDialog *, gint);
extern gboolean gtk_font_button_set_font_name(GtkFontButton *,
                                              const gchar *);
extern     void     gtk_tree_row_reference_inserted(GObject     *,
GtkTreePath *);
extern const gchar *gtk_tool_button_get_label(GtkToolButton *);
extern  GtkWidget  *gtk_menu_tool_button_get_menu(GtkMenuToolButton
*);
extern   void   gtk_tree_view_set_headers_visible(GtkTreeView   *,
gboolean);
extern                                                        GList
*gtk_text_child_anchor_get_widgets(GtkTextChildAnchor *);
extern gint gtk_toolbar_get_drop_index(GtkToolbar *, gint, gint);
extern void gtk_progress_bar_set_orientation(GtkProgressBar *,

GtkProgressBarOrientation);
extern  void  gtk_window_set_geometry_hints(GtkWindow  *,  GtkWidget
*,
                                            GdkGeometry           *,
GdkWindowHints);
extern GType gtk_progress_bar_orientation_get_type(void);
extern GtkReliefStyle gtk_button_get_relief(GtkButton *);
extern   gboolean   gtk_bindings_activate(GtkObject   *,   guint,
GdkModifierType);
extern GType gtk_toolbar_style_get_type(void);
extern void gtk_menu_set_accel_path(GtkMenu *, const gchar *);
extern  void  gtk_alignment_set_padding(GtkAlignment  *,  guint,
guint, guint,
                                        guint);
extern                                          GtkTreeRowReference
*gtk_tree_row_reference_copy(GtkTreeRowReference
                                                            *);
extern GtkToolItem
    *gtk_radio_tool_button_new_from_widget(GtkRadioToolButton *);
extern GType gtk_tree_model_sort_get_type(void);
extern GdkWindow *gtk_tree_view_get_bin_window(GtkTreeView *);
extern GtkToolbarStyle gtk_toolbar_get_style(GtkToolbar *);
extern      void      gtk_size_group_set_mode(GtkSizeGroup      *,
GtkSizeGroupMode);
extern  GtkWidget  *gtk_dialog_new_with_buttons(const  gchar  *,
GtkWindow *,
                                              GtkDialogFlags,
                                              const    gchar    *,
...);
extern  void  gtk_about_dialog_set_name(GtkAboutDialog  *,  const
gchar *);
extern void gtk_drag_source_add_image_targets(GtkWidget *);
extern  void  gtk_notebook_set_menu_label(GtkNotebook  *,  GtkWidget
*,
```

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```
                                        GtkWidget *);
extern const gchar *gtk_action_group_get_name(GtkActionGroup *);
extern  gboolean  gtk_text_buffer_insert_interactive(GtkTextBuffer
*,
                                                     GtkTextIter *,
                                                     const  gchar  *,
gint,
                                                     gboolean);
extern  void  gtk_table_attach_defaults(GtkTable  *,  GtkWidget  *,
guint,
                                       guint, guint, guint);
extern  void  gtk_notebook_reorder_child(GtkNotebook  *,  GtkWidget
*, gint);
extern     void     gtk_icon_source_set_state(GtkIconSource     *,
GtkStateType);
extern GType gtk_tree_model_filter_get_type(void);
extern void gtk_window_add_accel_group(GtkWindow *, GtkAccelGroup
*);
extern void gtk_ruler_draw_ticks(GtkRuler *);
extern GtkIconSize gtk_icon_size_from_name(const gchar *);
extern  void  gtk_combo_box_set_model(GtkComboBox  *,  GtkTreeModel
*);
extern GdkPixbuf *gtk_icon_set_render_icon(GtkIconSet *, GtkStyle
*,
                                           GtkTextDirection,
GtkStateType,
                                           GtkIconSize,  GtkWidget
*,
                                           const char *);
extern  void  gtk_tree_selection_selected_foreach(GtkTreeSelection
*,

GtkTreeSelectionForeachFunc,
                                                 gpointer);
extern GType gtk_cell_layout_get_type(void);
extern  void  gtk_text_iter_set_visible_line_offset(GtkTextIter  *,
gint);
extern      gboolean      gtk_rc_property_parse_requisition(const
GParamSpec *,
                                                   const    GString
*,
                                                   GValue *);
extern GType gtk_combo_box_get_type(void);
extern GtkFileFilter *gtk_file_filter_new(void);
extern gdouble gtk_range_get_value(GtkRange *);
extern GtkWidget *gtk_event_box_new(void);
extern gboolean gtk_list_store_iter_is_valid(GtkListStore *,
                                             GtkTreeIter *);
extern GtkIconInfo *gtk_icon_theme_lookup_icon(GtkIconTheme *,
                                               const   gchar   *,
gint,

GtkIconLookupFlags);
extern GType gtk_tree_model_flags_get_type(void);
extern void gtk_draw_insertion_cursor(GtkWidget *, GdkDrawable *,
                                      GdkRectangle              *,
GdkRectangle *,
                                      gboolean, GtkTextDirection,
                                      gboolean);
extern GtkWindowGroup *gtk_window_group_new(void);
extern  GtkFileFilter  *gtk_file_chooser_get_filter(GtkFileChooser
*);
extern void gtk_label_set_use_underline(GtkLabel *, gboolean);
extern                                                   gboolean
gtk_tree_view_column_cell_is_visible(GtkTreeViewColumn *);
extern gint gtk_tree_model_get_n_columns(GtkTreeModel *);
```

```
extern GtkTreeStore *gtk_tree_store_new(gint, ...);
extern GType gtk_frame_get_type(void);
extern                                                    gboolean
gtk_file_chooser_remove_shortcut_folder_uri(GtkFileChooser
                                                            *,
                                                            const
char *,

GError * *);
extern gboolean gtk_text_iter_backward_sentence_start(GtkTextIter
*);
extern     void     gtk_text_view_set_wrap_mode(GtkTextView     *,
GtkWrapMode);
extern gboolean gtk_accelerator_valid(guint, GdkModifierType);
extern void gtk_text_buffer_end_user_action(GtkTextBuffer *);
extern GtkToolItem *gtk_toolbar_get_nth_item(GtkToolbar *, gint);
extern  gboolean  gtk_file_chooser_select_filename(GtkFileChooser
*,
                                                  const gchar *);
extern   void   gtk_combo_box_set_row_span_column(GtkComboBox   *,
gint);
extern GType gtk_relief_style_get_type(void);
extern    gboolean    gtk_tree_path_is_descendant(GtkTreePath    *,
GtkTreePath *);
extern void gtk_drag_highlight(GtkWidget *);
extern                                                    gboolean
gtk_file_selection_get_select_multiple(GtkFileSelection *);
extern                                                    gboolean
gtk_toggle_action_get_draw_as_radio(GtkToggleAction *);
extern void gtk_icon_view_select_all(GtkIconView *);
extern  void  gtk_button_get_alignment(GtkButton  *,  gfloat  *,
gfloat *);
extern  void  gtk_spin_button_set_range(GtkSpinButton  *,  gdouble,
gdouble);
extern gint gtk_tree_view_append_column(GtkTreeView *,
                                        GtkTreeViewColumn *);
extern void gtk_quit_remove_by_data(gpointer);
extern                        const                        gchar
*gtk_about_dialog_get_website_label(GtkAboutDialog *);
extern    void    gtk_list_store_insert_before(GtkListStore    *,
GtkTreeIter *,
                                          GtkTreeIter *);
extern const guint gtk_minor_version;
extern void gtk_statusbar_pop(GtkStatusbar *, guint);
extern  gboolean  gtk_tree_selection_get_selected(GtkTreeSelection
*,
                                                 GtkTreeModel * *,
                                                 GtkTreeIter *);
extern  void  gtk_drag_get_data(GtkWidget  *,  GdkDragContext  *,
GdkAtom,
                              guint32);
extern const gchar *gtk_frame_get_label(GtkFrame *);
extern GtkWidget
    *gtk_radio_button_new_with_label_from_widget(GtkRadioButton
*,
                                                  const gchar *);
extern void gtk_text_view_get_iter_at_position(GtkTextView *,
                                              GtkTextIter      *,
gint *, gint,
                                              gint);
extern GtkTreeViewSearchEqualFunc
gtk_tree_view_get_search_equal_func(GtkTreeView *);
extern gboolean gtk_selection_data_set_pixbuf(GtkSelectionData *,
                                             GdkPixbuf *);
extern GtkMetricType gtk_ruler_get_metric(GtkRuler *);
extern void gtk_window_set_keep_above(GtkWindow *, gboolean);
```

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```
extern void gtk_im_context_simple_add_table(GtkIMContextSimple *,
                                            guint16    *,    gint,
gint);
extern PangoLayout *gtk_scale_get_layout(GtkScale *);
extern  AtkObject  *gtk_combo_box_get_popup_accessible(GtkComboBox
*);
extern GType gtk_radio_button_get_type(void);
extern gint gtk_notebook_prepend_page(GtkNotebook *, GtkWidget *,
                                      GtkWidget *);
extern gint gtk_text_view_get_indent(GtkTextView *);
extern gint gtk_text_view_get_border_window_size(GtkTextView *,

GtkTextWindowType);
extern GdkPixbuf *gtk_text_iter_get_pixbuf(const GtkTextIter *);
extern  const  gchar  *gtk_notebook_get_tab_label_text(GtkNotebook
*,
                                                        GtkWidget *);
extern                                            GtkFileChooserAction
gtk_file_chooser_get_action(GtkFileChooser *);
extern  void  gtk_frame_get_label_align(GtkFrame  *,  gfloat  *,
gfloat *);
extern GtkIconSet *gtk_icon_set_ref(GtkIconSet *);
extern GType gtk_hpaned_get_type(void);
extern void gtk_about_dialog_set_website_label(GtkAboutDialog *,
                                               const gchar *);
extern GtkIconFactory *gtk_icon_factory_new(void);
extern GtkCellRenderer *gtk_cell_renderer_combo_new(void);
extern GtkTreeModel *gtk_tree_model_filter_new(GtkTreeModel *,
                                               GtkTreePath *);
extern GtkTargetList *gtk_target_list_new(const GtkTargetEntry *,
guint);
extern   gboolean   gtk_text_view_move_visually(GtkTextView   *,
GtkTextIter *,
                                            gint);
extern GList *gtk_container_get_children(GtkContainer *);
extern GType gtk_tree_iter_get_type(void);
extern GType gtk_toggle_action_get_type(void);
extern                                                       void
gtk_check_menu_item_set_draw_as_radio(GtkCheckMenuItem *,
                                                     gboolean);
extern void gtk_clipboard_request_targets(GtkClipboard *,

GtkClipboardTargetsReceivedFunc,
                                           gpointer);
extern void gtk_icon_view_set_item_width(GtkIconView *, gint);
extern  void  gtk_tree_view_set_headers_clickable(GtkTreeView  *,
gboolean);
extern                                                GtkCornerType
gtk_scrolled_window_get_placement(GtkScrolledWindow
                                                         *);
extern  void  gtk_text_view_set_tabs(GtkTextView  *,  PangoTabArray
*);
extern void gtk_menu_tool_button_set_menu(GtkMenuToolButton *,
                                           GtkWidget *);
extern void gtk_window_unmaximize(GtkWindow *);
extern       void       gtk_widget_modify_font(GtkWidget       *,
PangoFontDescription *);
extern  void  gtk_toggle_tool_button_set_active(GtkToggleToolButton
*,
                                                gboolean);
extern GtkTreePath

*gtk_tree_model_filter_convert_path_to_child_path(GtkTreeModelFil
ter *,
                                                         GtkTreePath
*);
```

```
extern GObject *gtk_clipboard_get_owner(GtkClipboard *);
extern  void  gtk_text_view_set_pixels_below_lines(GtkTextView  *,
gint);
extern  void  gtk_text_view_set_pixels_above_lines(GtkTextView  *,
gint);
extern   void   gtk_font_button_set_show_size(GtkFontButton   *,
gboolean);
extern  void  gtk_paint_resize_grip(GtkStyle  *,  GdkWindow  *,
GtkStateType,
                                GdkRectangle *, GtkWidget *,
                                const  gchar  *,  GdkWindowEdge,
gint, gint,
                                gint, gint);
extern void gtk_widget_show_all(GtkWidget *);
extern void gtk_widget_set_name(GtkWidget *, const gchar *);
extern  void  gtk_action_disconnect_proxy(GtkAction  *,  GtkWidget
*);
extern void gtk_image_set_pixel_size(GtkImage *, gint);
extern                                                      GList
*gtk_tree_view_column_get_cell_renderers(GtkTreeViewColumn *);
extern GType gtk_arrow_type_get_type(void);
extern   void   gtk_accel_group_connect_by_path(GtkAccelGroup   *,
const gchar *,
                                          GClosure *);
extern  void  gtk_tree_view_scroll_to_point(GtkTreeView  *,  gint,
gint);
extern   GtkTreePath   *gtk_tree_model_get_path(GtkTreeModel   *,
GtkTreeIter *);
extern void gtk_menu_shell_prepend(GtkMenuShell *, GtkWidget *);
extern  void  gtk_image_set_from_image(GtkImage  *,  GdkImage  *,
GdkBitmap *);
extern GType gtk_widget_help_type_get_type(void);
extern GType gtk_corner_type_get_type(void);
extern void gtk_tree_row_reference_deleted(GObject *, GtkTreePath
*);
extern GtkWidget *gtk_combo_box_new(void);
extern   GtkAdjustment   *gtk_viewport_get_vadjustment(GtkViewport
*);
extern  gboolean  gtk_text_iter_inside_sentence(const  GtkTextIter
*);
extern  void  gtk_action_group_add_action_with_accel(GtkActionGroup
*,
                                                GtkAction *,
                                                const    gchar
*);
extern GSList *gtk_file_chooser_get_uris(GtkFileChooser *);
extern gboolean gtk_window_is_active(GtkWindow *);
extern void gtk_settings_set_double_property(GtkSettings *, const
gchar *,
                                          gdouble, const gchar
*);
extern GtkTextBuffer *gtk_text_mark_get_buffer(GtkTextMark *);
extern GType gtk_scrolled_window_get_type(void);
extern gboolean gtk_text_iter_equal(const GtkTextIter *,
                                  const GtkTextIter *);
extern    void    gtk_window_group_add_window(GtkWindowGroup    *,
GtkWindow *);
extern GtkAccelGroup *gtk_menu_get_accel_group(GtkMenu *);
extern gchar *gtk_rc_get_module_dir(void);
extern    void    gtk_color_button_set_alpha(GtkColorButton    *,
guint16);
extern  void  gtk_table_attach(GtkTable  *,  GtkWidget  *,  guint,
guint, guint,
                            guint,              GtkAttachOptions,
GtkAttachOptions,
                            guint, guint);
```

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```
extern void gtk_menu_reorder_child(GtkMenu *, GtkWidget *, gint);
extern gboolean gtk_widget_event(GtkWidget *, GdkEvent *);
extern  gchar  *gtk_font_selection_get_font_name(GtkFontSelection
*);
extern GdkPixbuf *gtk_icon_info_load_icon(GtkIconInfo *, GError *
*);
extern  gboolean  gtk_label_get_selection_bounds(GtkLabel  *,  gint
*, gint *);
extern void gtk_icon_factory_remove_default(GtkIconFactory *);
extern void gtk_tree_store_swap(GtkTreeStore *, GtkTreeIter *,
                                GtkTreeIter *);
extern  void  gtk_color_selection_set_has_palette(GtkColorSelection
*,
                                                  gboolean);
extern void gtk_tree_path_next(GtkTreePath *);
extern    void    gtk_action_unblock_activate_from(GtkAction    *,
GtkWidget *);
extern      void      gtk_notebook_set_tab_pos(GtkNotebook      *,
GtkPositionType);
extern  void  gtk_icon_source_set_filename(GtkIconSource  *,  const
gchar *);
extern  void  gtk_progress_bar_set_text(GtkProgressBar  *,  const
gchar *);
extern GtkWidget *gtk_invisible_new_for_screen(GdkScreen *);
extern gboolean gtk_tree_view_get_enable_search(GtkTreeView *);
extern   gboolean   gtk_tree_store_is_ancestor(GtkTreeStore   *,
GtkTreeIter *,
                                               GtkTreeIter *);
extern GtkWidget *gtk_button_get_image(GtkButton *);
extern  void  gtk_tool_button_set_stock_id(GtkToolButton  *,  const
gchar *);
extern GtkWidget *gtk_font_selection_dialog_new(const gchar *);
extern void gtk_drag_source_set_icon(GtkWidget *, GdkColormap *,
                                     GdkPixmap *, GdkBitmap *);
extern  void  gtk_file_chooser_set_local_only(GtkFileChooser  *,
gboolean);
extern void gtk_text_buffer_remove_all_tags(GtkTextBuffer *,
                                            const GtkTextIter *,
                                            const GtkTextIter *);
extern gfloat gtk_entry_get_alignment(GtkEntry *);
extern  GSList  *gtk_text_iter_get_toggled_tags(const  GtkTextIter
*,
                                                gboolean);
extern gchar *gtk_text_buffer_get_text(GtkTextBuffer *,
                                       const GtkTextIter *,
                                       const    GtkTextIter    *,
gboolean);
extern  void  gtk_progress_bar_set_pulse_step(GtkProgressBar  *,
gdouble);
extern  GtkTreePath  *gtk_cell_view_get_displayed_row(GtkCellView
*);
extern GtkTreePath *gtk_tree_path_copy(const GtkTreePath *);
extern GQuark gtk_icon_theme_error_quark(void);
extern void gtk_disable_setlocale(void);
extern GSList *gtk_radio_tool_button_get_group(GtkRadioToolButton
*);
extern GType gtk_accel_flags_get_type(void);
extern gboolean gtk_window_get_skip_taskbar_hint(GtkWindow *);
extern void gtk_widget_style_get_valist(GtkWidget *, const gchar
*,
                                        va_list);
extern GType gtk_message_type_get_type(void);
extern GType gtk_icon_lookup_flags_get_type(void);
extern gint gtk_text_iter_get_chars_in_line(const GtkTextIter *);
extern void gtk_clipboard_request_text(GtkClipboard *,
```

```
GtkClipboardTextReceivedFunc,
                                        gpointer);
extern GType gtk_tree_selection_get_type(void);
extern   void   gtk_text_buffer_cut_clipboard(GtkTextBuffer   *,
GtkClipboard *,
                                              gboolean);
extern  void  gtk_tree_view_widget_to_tree_coords(GtkTreeView  *,
gint, gint,
                                                   gint *, gint *);
extern gboolean gtk_list_store_remove(GtkListStore *, GtkTreeIter
*);
extern void gtk_drag_dest_unset(GtkWidget *);
extern GType gtk_accel_label_get_type(void);
extern gboolean gtk_text_iter_ends_line(const GtkTextIter *);
extern    void    gtk_spin_button_set_numeric(GtkSpinButton    *,
gboolean);
extern   gboolean   gtk_text_iter_backward_chars(GtkTextIter   *,
gint);
extern  void  gtk_tree_view_column_cell_get_size(GtkTreeViewColumn
*,
                                                 GdkRectangle    *,
gint *,
                                                 gint  *,  gint  *,
gint *);
extern GtkTreePath *gtk_tree_path_new_from_string(const gchar *);
extern GScanner *gtk_rc_scanner_new(void);
extern GtkWidget *gtk_combo_box_entry_new(void);
extern GtkWidget

*gtk_radio_button_new_with_mnemonic_from_widget(GtkRadioButton *,
                                                        const   gchar
*);
extern GType gtk_tree_sortable_get_type(void);
extern GtkTextTag *gtk_text_tag_new(const gchar *);
extern GtkWidget *gtk_hbutton_box_new(void);
extern GType gtk_alignment_get_type(void);
extern                                  GtkTreeRowReference
*gtk_tree_row_reference_new_proxy(GObject *,

GtkTreeModel
                                                                 *,

GtkTreePath
                                                                 *);
extern  const  gchar  *gtk_about_dialog_get_license(GtkAboutDialog
*);
extern GtkWidget *gtk_check_menu_item_new(void);
extern GType gtk_size_group_mode_get_type(void);
extern gboolean gtk_calendar_unmark_day(GtkCalendar *, guint);
extern GtkWidget *gtk_label_get_mnemonic_widget(GtkLabel *);
extern void gtk_button_set_focus_on_click(GtkButton *, gboolean);
extern void gtk_combo_box_prepend_text(GtkComboBox *, const gchar
*);
extern  void  gtk_tree_store_set(GtkTreeStore  *,  GtkTreeIter  *,
...);
extern GType gtk_im_preedit_style_get_type(void);
extern gboolean gtk_get_current_event_state(GdkModifierType *);
extern GType gtk_handle_box_get_type(void);
extern void gtk_tree_model_sort_clear_cache(GtkTreeModelSort *);
extern void gtk_selection_clear_targets(GtkWidget *, GdkAtom);
extern void gtk_about_dialog_set_comments(GtkAboutDialog *, const
gchar *);
extern void gtk_list_store_append(GtkListStore *, GtkTreeIter *);
extern  gboolean  gtk_tool_item_get_visible_horizontal(GtkToolItem
*);
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```
extern void gtk_window_set_default_size(GtkWindow *, gint, gint);
extern void gtk_drag_set_icon_stock(GdkDragContext *, const gchar
*, gint,
                                    gint);
extern void gtk_paned_set_position(GtkPaned *, gint);
extern void gtk_tree_view_column_set_sort_order(GtkTreeViewColumn
*,
                                                GtkSortType);
extern GtkWidget *gtk_image_new_from_icon_set(GtkIconSet *,
GtkIconSize);
extern GType gtk_image_get_type(void);
extern GtkTextDirection gtk_widget_get_default_direction(void);
extern GtkWidget *gtk_color_button_new(void);
extern void gtk_paint_hline(GtkStyle *, GdkWindow *,
GtkStateType,
                            GdkRectangle *, GtkWidget *, const
gchar *,
                            gint, gint, gint);
extern void gtk_menu_item_toggle_size_request(GtkMenuItem *, gint
*);
extern void gtk_size_group_remove_widget(GtkSizeGroup *,
GtkWidget *);
extern GtkClipboard *gtk_widget_get_clipboard(GtkWidget *,
GdkAtom);
extern void gtk_scale_set_draw_value(GtkScale *, gboolean);
extern void gtk_frame_set_label_widget(GtkFrame *, GtkWidget *);
extern GType gtk_check_button_get_type(void);
extern void gtk_widget_show(GtkWidget *);
extern void gtk_adjustment_changed(GtkAdjustment *);
extern                                                  gboolean
gtk_text_iter_forward_visible_word_ends(GtkTextIter *,
                                                       gint);
extern void gtk_entry_set_has_frame(GtkEntry *, gboolean);
extern GtkWidget *gtk_hbox_new(gboolean, gint);
extern PangoContext *gtk_widget_get_pango_context(GtkWidget *);
extern GtkAccelKey *gtk_accel_group_find(GtkAccelGroup *,
                                         GtkAccelGroupFindFunc,
gpointer);
extern const gchar *gtk_font_button_get_font_name(GtkFontButton
*);
extern                                                     void
gtk_entry_completion_set_inline_completion(GtkEntryCompletion
                                                          *,
gboolean);
extern                                                  gboolean
gtk_toggle_tool_button_get_active(GtkToggleToolButton *);
extern gchar *gtk_widget_get_composite_name(GtkWidget *);
extern GType gtk_ui_manager_item_type_get_type(void);
extern void gtk_tree_sortable_set_sort_column_id(GtkTreeSortable
*, gint,
                                                 GtkSortType);
extern void gtk_tree_path_append_index(GtkTreePath *, gint);
extern GtkToolItem *gtk_radio_tool_button_new_from_stock(GSList
*,
                                                         const
gchar *);
extern void gtk_image_get_icon_name(GtkImage *, const gchar * *,
                                    GtkIconSize *);
extern GtkIconSource *gtk_icon_source_copy(const GtkIconSource
*);
extern void gtk_icon_view_set_text_column(GtkIconView *, gint);
extern void gtk_label_set_justify(GtkLabel *, GtkJustification);
extern void gtk_tree_view_column_set_attributes(GtkTreeViewColumn
*,
                                                GtkCellRenderer
*, ...);
```

```
extern void gtk_box_pack_start(GtkBox *, GtkWidget *, gboolean,
gboolean,
                                guint);
extern              const              gchar              *const
*gtk_about_dialog_get_artists(GtkAboutDialog *);
extern void gtk_label_set_markup(GtkLabel *, const gchar *);
extern   GdkPixbuf   *gtk_icon_info_get_builtin_pixbuf(GtkIconInfo
*);
extern  gboolean  gtk_text_iter_starts_sentence(const  GtkTextIter
*);
extern void gtk_tree_view_set_destroy_count_func(GtkTreeView *,

GtkTreeDestroyCountFunc,
                                                gpointer,

GtkDestroyNotify);
extern GType gtk_expander_get_type(void);
extern     void     gtk_list_store_move_before(GtkListStore     *,
GtkTreeIter *,
                                      GtkTreeIter *);
extern                                                  gboolean
gtk_tree_view_column_get_visible(GtkTreeViewColumn *);
extern GType gtk_text_buffer_get_type(void);
extern    void    gtk_file_chooser_add_filter(GtkFileChooser    *,
GtkFileFilter *);
extern gint gtk_text_tag_table_get_size(GtkTextTagTable *);
extern GType gtk_attach_options_get_type(void);
extern  gboolean  gtk_rc_reparse_all_for_settings(GtkSettings  *,
gboolean);
extern gunichar gtk_entry_get_invisible_char(GtkEntry *);
extern GType gtk_text_view_get_type(void);
extern gboolean gtk_text_iter_is_end(const GtkTextIter *);
extern  GdkPixbuf  *gtk_icon_source_get_pixbuf(const  GtkIconSource
*);
extern gboolean gtk_text_iter_forward_word_end(GtkTextIter *);
extern GType gtk_menu_shell_get_type(void);
extern  const  gchar  *gtk_tool_button_get_stock_id(GtkToolButton
*);
extern GtkTextMark *gtk_text_buffer_get_mark(GtkTextBuffer *,
                                            const gchar *);
extern gboolean gtk_icon_view_path_is_selected(GtkIconView *,
                                              GtkTreePath *);
extern GtkCellRenderer *gtk_cell_renderer_pixbuf_new(void);
extern  gchar  *gtk_file_chooser_get_current_folder(GtkFileChooser
*);
extern  gboolean  gtk_selection_owner_set(GtkWidget  *,  GdkAtom,
guint32);
extern void gtk_window_get_size(GtkWindow *, gint *, gint *);
extern void gtk_binding_entry_add_signall(GtkBindingSet *, guint,
                                         GdkModifierType,   const
gchar *,
                                         GSList *);
extern       PangoLanguage       *gtk_text_iter_get_language(const
GtkTextIter *);
extern  void  gtk_dialog_add_buttons(GtkDialog  *,  const  gchar  *,
...);
extern void gtk_action_disconnect_accelerator(GtkAction *);
extern char *gtk_file_chooser_get_preview_uri(GtkFileChooser *);
extern void gtk_requisition_free(GtkRequisition *);
extern GSList *gtk_text_iter_get_marks(const GtkTextIter *);
extern GType gtk_delete_type_get_type(void);
extern void gtk_box_reorder_child(GtkBox *, GtkWidget *, gint);
extern GtkWidget *gtk_menu_item_new_with_mnemonic(const gchar *);
extern void gtk_item_deselect(GtkItem *);
extern  gboolean  gtk_file_chooser_get_show_hidden(GtkFileChooser
*);
```

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```
extern GType gtk_hscrollbar_get_type(void);
extern GtkStyle *gtk_widget_get_default_style(void);
extern GtkToolItem

*gtk_radio_tool_button_new_with_stock_from_widget(GtkRadioToolBut
ton *,
                                                        const  gchar
*);
extern   void   gtk_tree_view_get_drag_dest_row(GtkTreeView   *,
GtkTreePath * *,

GtkTreeViewDropPosition *);
extern GSList *gtk_radio_action_get_group(GtkRadioAction *);
extern void gtk_drag_finish(GdkDragContext *, gboolean, gboolean,
guint32);
extern GType gtk_button_box_get_type(void);
extern void gtk_binding_entry_remove(GtkBindingSet *, guint,
                                     GdkModifierType);
extern  GtkWidget  *gtk_accel_label_get_accel_widget(GtkAccelLabel
*);
extern gboolean gtk_accel_map_change_entry(const gchar *, guint,
                                           GdkModifierType,
gboolean);
extern                                                    gboolean
gtk_cell_renderer_toggle_get_active(GtkCellRendererToggle
                                                        *);
extern   void   gtk_cell_renderer_get_size(GtkCellRenderer   *,
GtkWidget *,
                                       GdkRectangle  *,  gint  *,
gint *,
                                       gint *, gint *);
extern void gtk_layout_put(GtkLayout *, GtkWidget *, gint, gint);
extern void gtk_widget_set_parent(GtkWidget *, GtkWidget *);
extern gboolean gtk_text_iter_forward_lines(GtkTextIter *, gint);
extern gboolean gtk_expander_get_use_markup(GtkExpander *);
extern gboolean gtk_main_iteration(void);
extern                                                        void
gtk_tree_view_column_set_sort_column_id(GtkTreeViewColumn *,
                                                        gint);
extern gboolean gtk_text_mark_get_deleted(GtkTextMark *);
extern GtkWidget *gtk_combo_box_new_with_model(GtkTreeModel *);
extern GtkWidget *gtk_icon_view_new_with_model(GtkTreeModel *);
extern GType gtk_side_type_get_type(void);
extern void gtk_settings_install_property(GParamSpec *);
extern  void  gtk_image_get_image(GtkImage  *,  GdkImage  *  *,
GdkBitmap * *);
extern GType gtk_entry_get_type(void);
extern GType gtk_file_selection_get_type(void);
extern void gtk_calendar_set_display_options(GtkCalendar *,

GtkCalendarDisplayOptions);
extern gboolean
gtk_entry_completion_get_popup_completion(GtkEntryCompletion *);
extern void gtk_widget_pop_composite_child(void);
extern gboolean gtk_text_iter_forward_cursor_position(GtkTextIter
*);
extern    void    gtk_drag_dest_set_target_list(GtkWidget    *,
GtkTargetList *);
extern GtkTextAttributes *gtk_text_attributes_new(void);
extern void gtk_paned_pack2(GtkPaned *, GtkWidget *, gboolean,
gboolean);
extern   void   gtk_aspect_frame_set(GtkAspectFrame   *,   gfloat,
gfloat, gfloat,
                                     gboolean);
extern void gtk_propagate_event(GtkWidget *, GdkEvent *);
extern void gtk_rc_style_unref(GtkRcStyle *);
```

```
extern void gtk_tree_path_prepend_index(GtkTreePath *, gint);
extern void gtk_text_buffer_delete_mark_by_name(GtkTextBuffer *,
                                                const gchar *);
extern GtkToolItem *gtk_separator_tool_item_new(void);
extern void gtk_ruler_draw_pos(GtkRuler *);
extern void gtk_im_context_focus_in(GtkIMContext *);
extern void gtk_widget_shape_combine_mask(GtkWidget *, GdkBitmap
*, gint,
                                          gint);
extern gint gtk_dialog_run(GtkDialog *);
extern                                                  gboolean
gtk_cell_renderer_toggle_get_radio(GtkCellRendererToggle
                                                       *);
extern GType gtk_entry_completion_get_type(void);
extern void gtk_tree_model_get_value(GtkTreeModel *, GtkTreeIter
*, gint,
                                     GValue *);
extern GType gtk_pack_type_get_type(void);
extern                                                GtkTreePath
*gtk_tree_row_reference_get_path(GtkTreeRowReference *);
extern    void    gtk_file_filter_add_custom(GtkFileFilter    *,
GtkFileFilterFlags,
                                       GtkFileFilterFunc,
gpointer,
                                       GDestroyNotify);
extern void gtk_window_move(GtkWindow *, gint, gint);
extern void gtk_tree_store_set_column_types(GtkTreeStore *, gint,
GType *);
extern                                                  gboolean
gtk_text_buffer_insert_range_interactive(GtkTextBuffer *,

GtkTextIter *,
                                                         const
GtkTextIter
                                                         *,
                                                         const
GtkTextIter
                                                         *,
gboolean);
extern   gboolean   gtk_color_selection_palette_from_string(const
gchar *,
                                                        GdkColor
* *,
                                                        gint *);
extern void gtk_text_buffer_get_iter_at_mark(GtkTextBuffer *,
                                             GtkTextIter       *,
GtkTextMark *);
extern GType gtk_target_flags_get_type(void);
extern void gtk_text_view_move_child(GtkTextView *, GtkWidget *,
gint,
                                     gint);
extern void gtk_binding_entry_add_signal(GtkBindingSet *, guint,
                                         GdkModifierType,    const
gchar *,
                                         guint, ...);
extern void gtk_text_iter_set_line(GtkTextIter *, gint);
extern void gtk_text_buffer_set_text(GtkTextBuffer *, const gchar
*, gint);
extern void gtk_window_set_default_icon_name(const gchar *);
extern const char *gtk_expander_get_label(GtkExpander *);
extern gpointer gtk_tree_selection_get_user_data(GtkTreeSelection
*);
extern GtkWidget *gtk_button_new_from_stock(const gchar *);
extern void gtk_text_iter_set_line_index(GtkTextIter *, gint);
extern GType gtk_radio_action_get_type(void);
```

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```
extern  GtkAdjustment  *gtk_tree_view_get_vadjustment(GtkTreeView
*);
extern void gtk_label_set_line_wrap(GtkLabel *, gboolean);
extern gchar *gtk_accelerator_get_label(guint, GdkModifierType);
extern void gtk_socket_add_id(GtkSocket *, GdkNativeWindow);
extern GtkWidget *gtk_font_selection_new(void);
extern void gtk_text_iter_order(GtkTextIter *, GtkTextIter *);
extern                                                GtkWidget
*gtk_radio_menu_item_new_from_widget(GtkRadioMenuItem *);
extern       gint       gtk_text_iter_get_visible_line_index(const
GtkTextIter *);
extern gboolean gtk_widget_get_child_visible(GtkWidget *);
extern void gtk_about_dialog_set_documenters(GtkAboutDialog *,
                                             const gchar * *);
extern   GtkToolItem   *gtk_menu_tool_button_new_from_stock(const
gchar *);
extern void gtk_accel_map_save_fd(gint);
extern                                                        void
gtk_tree_sortable_set_default_sort_func(GtkTreeSortable *,

GtkTreeIterCompareFunc,
                                                     gpointer,

GtkDestroyNotify);
extern GType gtk_text_tag_get_type(void);
extern      gboolean      gtk_widget_child_focus(GtkWidget      *,
GtkDirectionType);
extern   void   gtk_tree_view_set_drag_dest_row(GtkTreeView   *,
GtkTreePath *,

GtkTreeViewDropPosition);
extern void gtk_layout_set_vadjustment(GtkLayout *, GtkAdjustment
*);
extern    void    gtk_text_view_scroll_to_mark(GtkTextView    *,
GtkTextMark *,
                                         gdouble,        gboolean,
gdouble,
                                         gdouble);
extern                         const                        gchar
*gtk_about_dialog_get_translator_credits(GtkAboutDialog
                                                            *);
extern gboolean gtk_notebook_get_scrollable(GtkNotebook *);
extern  gboolean  gtk_text_iter_forward_word_ends(GtkTextIter  *,
gint);
extern  void  gtk_tree_view_column_set_clickable(GtkTreeViewColumn
*,
                                                gboolean);
extern void gtk_ui_manager_insert_action_group(GtkUIManager *,
                                                GtkActionGroup   *,
gint);
extern void gtk_text_iter_free(GtkTextIter *);
extern GdkPixbuf *gtk_clipboard_wait_for_image(GtkClipboard *);
extern                                                        void
gtk_im_multicontext_append_menuitems(GtkIMMulticontext *,
                                                  GtkMenuShell *);
extern  gint  gtk_tree_view_column_get_max_width(GtkTreeViewColumn
*);
extern GdkDisplay *gtk_widget_get_display(GtkWidget *);
extern                                                        void
gtk_scrolled_window_add_with_viewport(GtkScrolledWindow *,
                                                   GtkWidget *);
extern GType gtk_justification_get_type(void);
extern                                                        void
gtk_file_selection_show_fileop_buttons(GtkFileSelection *);
extern void gtk_widget_set_size_request(GtkWidget *, gint, gint);
```

```
extern const gchar *gtk_about_dialog_get_copyright(GtkAboutDialog
*);
extern void gtk_window_begin_move_drag(GtkWindow *, gint, gint,
gint,
                                        guint32);
extern void gtk_range_set_adjustment(GtkRange *, GtkAdjustment
*);
extern gboolean gtk_text_iter_is_cursor_position(const
GtkTextIter *);
extern gboolean gtk_text_iter_ends_sentence(const GtkTextIter *);
extern gboolean gtk_text_view_forward_display_line(GtkTextView *,
                                                    GtkTextIter
*);
extern void gtk_item_toggle(GtkItem *);
extern gint gtk_tree_path_compare(const GtkTreePath *,
                                  const GtkTreePath *);
extern GtkWidget *gtk_paned_get_child1(GtkPaned *);
extern GType gtk_rc_style_get_type(void);
extern gint gtk_text_view_get_right_margin(GtkTextView *);
extern void gtk_paint_extension(GtkStyle *, GdkWindow *,
GtkStateType,
                                GtkShadowType, GdkRectangle *,
GtkWidget *,
                                gchar *, gint, gint, gint, gint,
                                GtkPositionType);
extern void gtk_icon_source_set_state_wildcarded(GtkIconSource *,
                                                 gboolean);
extern                                                   guint16
gtk_color_selection_get_previous_alpha(GtkColorSelection *);
extern                                                  gboolean
gtk_file_chooser_set_current_folder(GtkFileChooser *,
                                                    const gchar
*);
extern GdkNativeWindow gtk_plug_get_id(GtkPlug *);
extern GtkAdjustment *gtk_range_get_adjustment(GtkRange *);
extern GType gtk_ui_manager_get_type(void);
extern                                                       void
gtk_color_selection_set_has_opacity_control(GtkColorSelection
                                                            *,
gboolean);
extern gboolean gtk_drag_check_threshold(GtkWidget *, gint, gint,
gint,
                                         gint);
extern GtkWidget *gtk_paned_get_child2(GtkPaned *);
extern void gtk_icon_view_set_orientation(GtkIconView *,
GtkOrientation);
extern void gtk_font_button_set_use_size(GtkFontButton *,
gboolean);
extern                                                  gboolean
gtk_file_chooser_add_shortcut_folder(GtkFileChooser *,
                                                     const char
*,
                                                     GError * *);
extern                                                       void
gtk_text_buffer_get_iter_at_child_anchor(GtkTextBuffer *,
                                                     GtkTextIter
*,

GtkTextChildAnchor *);
extern void gtk_stock_add_static(const GtkStockItem *, guint);
extern GtkStyle *gtk_style_copy(GtkStyle *);
extern                                                 GtkWidget
*gtk_file_chooser_button_new_with_dialog(GtkWidget *);
extern void gtk_tree_store_reorder(GtkTreeStore *, GtkTreeIter *,
gint *);
```

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```
extern gboolean gtk_window_parse_geometry(GtkWindow *, const
gchar *);
extern void
gtk_icon_source_set_direction_wildcarded(GtkIconSource *,
gboolean);
extern void gtk_im_context_reset(GtkIMContext *);
extern GType gtk_debug_flag_get_type(void);
extern void gtk_tree_path_free(GtkTreePath *);
extern GtkRcStyle *gtk_widget_get_modifier_style(GtkWidget *);
extern void gtk_icon_source_set_direction(GtkIconSource *,
GtkTextDirection);
extern GtkTreeViewColumn *gtk_tree_view_get_column(GtkTreeView *,
gint);
extern GtkWidget *gtk_notebook_new(void);
extern void gtk_window_unstick(GtkWindow *);
extern GParamSpec
*gtk_widget_class_find_style_property(GtkWidgetClass *,
const
gchar *);
extern void gtk_combo_box_set_wrap_width(GtkComboBox *, gint);
extern void gtk_spin_button_set_increments(GtkSpinButton *,
gdouble,
gdouble);
extern GtkAdjustment *gtk_tree_view_get_hadjustment(GtkTreeView
*);
extern void gtk_window_set_icon(GtkWindow *, GdkPixbuf *);
extern gint gtk_text_view_get_pixels_inside_wrap(GtkTextView *);
extern void gtk_icon_factory_add(GtkIconFactory *, const gchar *,
GtkIconSet *);
extern void gtk_container_propagate_expose(GtkContainer *,
GtkWidget *,
GdkEventExpose *);
extern void gtk_list_store_move_after(GtkListStore *, GtkTreeIter
*,
GtkTreeIter *);
extern GtkWidget *gtk_color_selection_new(void);
extern GtkOrientation gtk_tool_item_get_orientation(GtkToolItem
*);
extern void gtk_text_attributes_ref(GtkTextAttributes *);
extern void gtk_label_set_use_markup(GtkLabel *, gboolean);
extern GtkWidget *gtk_message_dialog_new(GtkWindow *,
GtkDialogFlags,
GtkMessageType,
GtkButtonsType,
const gchar *, ...);
extern GType gtk_hseparator_get_type(void);
extern void gtk_menu_set_active(GtkMenu *, guint);
extern gboolean gtk_text_buffer_get_modified(GtkTextBuffer *);
extern void gtk_icon_view_select_path(GtkIconView *, GtkTreePath
*);
extern gboolean gtk_widget_can_activate_accel(GtkWidget *,
guint);
extern void gtk_box_pack_end(GtkBox *, GtkWidget *, gboolean,
gboolean,
guint);
extern gboolean gtk_dialog_get_has_separator(GtkDialog *);
extern void gtk_tree_store_insert(GtkTreeStore *, GtkTreeIter *,
GtkTreeIter *, gint);
extern GType gtk_position_type_get_type(void);
extern gboolean
gtk_file_chooser_remove_shortcut_folder(GtkFileChooser *,
const
char *,
GError *
*);
```

```
extern                                                    gboolean
gtk_text_iter_forward_visible_word_end(GtkTextIter *);
extern gboolean gtk_tool_item_get_homogeneous(GtkToolItem *);
extern gboolean gtk_parse_args(int *, char ***);
extern void gtk_window_set_screen(GtkWindow *, GdkScreen *);
extern                                          GtkJustification
gtk_text_view_get_justification(GtkTextView *);
extern void gtk_container_remove(GtkContainer *, GtkWidget *);
extern   void   gtk_range_set_increments(GtkRange   *,   gdouble,
gdouble);
extern    void    gtk_action_group_add_action(GtkActionGroup    *,
GtkAction *);
extern void gtk_icon_theme_append_search_path(GtkIconTheme *,
                                              const gchar *);
extern void gtk_widget_destroyed(GtkWidget *, GtkWidget * *);
extern void gtk_image_set_from_file(GtkImage *, const gchar *);
extern gint gtk_icon_view_get_pixbuf_column(GtkIconView *);
extern  void  gtk_size_group_add_widget(GtkSizeGroup  *,  GtkWidget
*);
extern  gboolean  gtk_tree_view_column_get_expand(GtkTreeViewColumn
*);
extern GtkWidget *gtk_menu_new(void);
extern GType gtk_window_get_type(void);
extern GType gtk_range_get_type(void);
extern void gtk_rc_parse_string(const gchar *);
extern GType gtk_progress_bar_style_get_type(void);
extern void gtk_container_set_focus_hadjustment(GtkContainer *,
                                                GtkAdjustment *);
extern void gtk_accel_map_foreach(gpointer, GtkAccelMapForeach);
extern  gchar  **gtk_file_selection_get_selections(GtkFileSelection
*);
extern gboolean gtk_spin_button_get_wrap(GtkSpinButton *);
extern GType gtk_dialog_get_type(void);
extern GType gtk_misc_get_type(void);
extern   void   gtk_selection_add_target(GtkWidget   *,   GdkAtom,
GdkAtom, guint);
extern  GtkWidget  *gtk_file_chooser_dialog_new(const  gchar  *,
GtkWindow *,

GtkFileChooserAction,
                                              const    gchar    *,
...);
extern void gtk_quit_remove(guint);
extern GtkSizeGroupMode gtk_size_group_get_mode(GtkSizeGroup *);
extern                                                       void
gtk_action_group_set_translation_domain(GtkActionGroup *,
                                                     const    gchar
*);
extern void gtk_notebook_remove_page(GtkNotebook *, gint);
extern const gchar *gtk_font_button_get_title(GtkFontButton *);
extern void gtk_file_filter_add_pixbuf_formats(GtkFileFilter *);
extern void gtk_editable_cut_clipboard(GtkEditable *);
extern  void  gtk_tree_view_column_set_expand(GtkTreeViewColumn  *,
gboolean);
extern void gtk_widget_thaw_child_notify(GtkWidget *);
extern  void  gtk_label_set_attributes(GtkLabel  *,  PangoAttrList
*);
extern void gtk_ui_manager_remove_ui(GtkUIManager *, guint);
extern gboolean gtk_text_iter_forward_chars(GtkTextIter *, gint);
extern void gtk_entry_set_invisible_char(GtkEntry *, gunichar);
extern void gtk_text_view_set_border_window_size(GtkTextView *,

GtkTextWindowType, gint);
extern void gtk_notebook_query_tab_label_packing(GtkNotebook *,
                                                 GtkWidget      *,
gboolean *,
```

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```
                                                    gboolean *,
                                                    GtkPackType *);
extern GtkWidget

*gtk_radio_menu_item_new_with_mnemonic_from_widget(GtkRadioMenuIt
em *,
                                                          const
gchar *);
extern  GtkWidget  *gtk_toggle_button_new_with_label(const  gchar
*);
extern GType gtk_buttons_type_get_type(void);
extern void gtk_text_buffer_apply_tag_by_name(GtkTextBuffer *,
                                              const gchar *,
                                              const    GtkTextIter
*,
                                              const    GtkTextIter
*);
extern void gtk_accel_group_connect(GtkAccelGroup *, guint,
                                    GdkModifierType,
GtkAccelFlags,
                                    GClosure *);
extern gchar *gtk_text_iter_get_visible_text(const GtkTextIter *,
                                             const     GtkTextIter
*);
extern gboolean gtk_stock_lookup(const gchar *, GtkStockItem *);
extern  void  gtk_label_set_mnemonic_widget(GtkLabel  *,  GtkWidget
*);
extern void gtk_tree_view_collapse_all(GtkTreeView *);
extern void gtk_action_set_accel_group(GtkAction *, GtkAccelGroup
*);
extern  void  gtk_ui_manager_add_ui(GtkUIManager  *,  guint,  const
gchar *,
                                    const gchar *, const gchar *,
                                    GtkUIManagerItemType,
gboolean);
extern  GtkWidget  *gtk_check_menu_item_new_with_label(const  gchar
*);
extern void gtk_window_set_default_icon(GdkPixbuf *);
extern                                                     gboolean
gtk_tree_selection_iter_is_selected(GtkTreeSelection *,
                                                     GtkTreeIter
*);
extern void gtk_scrolled_window_get_policy(GtkScrolledWindow *,
                                           GtkPolicyType *,
                                           GtkPolicyType *);
extern  void  gtk_adjustment_clamp_page(GtkAdjustment  *,  gdouble,
gdouble);
extern                                                       void
gtk_about_dialog_set_translator_credits(GtkAboutDialog *,
                                                     const    gchar
*);
extern void gtk_menu_item_remove_submenu(GtkMenuItem *);
extern  GtkResizeMode  gtk_container_get_resize_mode(GtkContainer
*);
extern GtkWidget *gtk_menu_item_new_with_label(const gchar *);
extern                                                     gboolean
gtk_tree_sortable_has_default_sort_func(GtkTreeSortable *);
extern       void       gtk_accel_map_foreach_unfiltered(gpointer,
GtkAccelMapForeach);
extern GType gtk_editable_get_type(void);
extern void gtk_widget_show_now(GtkWidget *);
extern GtkColorSelectionChangePaletteWithScreenFunc
gtk_color_selection_set_change_palette_with_screen_hook
(GtkColorSelectionChangePaletteWithScreenFunc);
extern void gtk_entry_completion_complete(GtkEntryCompletion *);
extern gboolean gtk_tree_get_row_drag_data(GtkSelectionData *,
```

```
                                                GtkTreeModel * *,
                                                GtkTreePath * *);
extern gchar *gtk_rc_get_im_module_file(void);
extern     void     gtk_text_view_get_line_at_y(GtkTextView     *,
GtkTextIter *, gint,
                                            gint *);
extern                                                  GtkToolbarStyle
gtk_tool_item_get_toolbar_style(GtkToolItem *);
extern                                                          gint
gtk_tree_view_column_get_fixed_width(GtkTreeViewColumn *);
extern    const    gchar    *gtk_icon_source_get_icon_name(const
GtkIconSource *);
extern  GtkStyle  *gtk_rc_get_style_by_paths(GtkSettings  *,  const
char *,
                                                const char *, GType);
extern gint gtk_text_view_get_left_margin(GtkTextView *);
extern void gtk_target_list_remove(GtkTargetList *, GdkAtom);
extern void gtk_stock_add(const GtkStockItem *, guint);
extern void gtk_progress_bar_pulse(GtkProgressBar *);
extern void gtk_scale_set_value_pos(GtkScale *, GtkPositionType);
extern void gtk_label_set_max_width_chars(GtkLabel *, gint);
extern gint gtk_label_get_width_chars(GtkLabel *);
extern GtkWidget *gtk_viewport_new(GtkAdjustment *, GtkAdjustment
*);
extern    void    gtk_tree_store_insert_after(GtkTreeStore    *,
GtkTreeIter *,
                                            GtkTreeIter            *,
GtkTreeIter *);
extern GType gtk_font_selection_dialog_get_type(void);
extern void gtk_accel_map_load_fd(gint);
extern void gtk_editable_delete_selection(GtkEditable *);
extern GtkShadowType gtk_viewport_get_shadow_type(GtkViewport *);
extern GType gtk_color_button_get_type(void);
extern  void  gtk_container_set_reallocate_redraws(GtkContainer  *,
gboolean);
extern  void  gtk_menu_shell_select_item(GtkMenuShell  *,  GtkWidget
*);
extern    void    gtk_toggle_button_set_mode(GtkToggleButton    *,
gboolean);
extern gint *gtk_tree_path_get_indices(GtkTreePath *);
extern  void  gtk_target_list_add_image_targets(GtkTargetList  *,
guint,
                                                gboolean);
extern                                                  GtkSelectionMode
gtk_tree_selection_get_mode(GtkTreeSelection *);
extern GType gtk_arrow_get_type(void);
extern                                                          gboolean
gtk_clipboard_wait_is_image_available(GtkClipboard *);
extern void gtk_icon_view_set_pixbuf_column(GtkIconView *, gint);
extern gint gtk_notebook_get_n_pages(GtkNotebook *);
extern gboolean gtk_text_iter_forward_find_char(GtkTextIter *,

GtkTextCharPredicate,
                                                gpointer,
                                                const  GtkTextIter
*);
extern GList *gtk_window_get_icon_list(GtkWindow *);
extern void gtk_entry_set_width_chars(GtkEntry *, gint);
extern GtkTreePath *gtk_tree_path_new_first(void);
extern void gtk_im_context_set_cursor_location(GtkIMContext *,
                                                GdkRectangle *);
extern   void   gtk_text_view_add_child_in_window(GtkTextView   *,
GtkWidget *,
                                                GtkTextWindowType,
gint,
                                                gint);
```

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```
extern     void     gtk_tree_view_scroll_to_cell(GtkTreeView     *,
GtkTreePath *,
                                          GtkTreeViewColumn      *,
gboolean,
                                          gfloat, gfloat);
extern void gtk_editable_set_position(GtkEditable *, gint);
extern gint gtk_expander_get_spacing(GtkExpander *);
extern void gtk_widget_add_events(GtkWidget *, gint);
extern   void   gtk_tool_item_set_use_drag_window(GtkToolItem   *,
gboolean);
extern gint gtk_tree_path_get_depth(GtkTreePath *);
extern void gtk_spin_button_update(GtkSpinButton *);
extern   gboolean   gtk_accel_group_disconnect(GtkAccelGroup   *,
GClosure *);
extern   void   gtk_clipboard_request_contents(GtkClipboard   *,
GdkAtom,

GtkClipboardReceivedFunc,
                                            gpointer);
extern     void     gtk_tree_view_get_cell_area(GtkTreeView     *,
GtkTreePath *,
                                         GtkTreeViewColumn *,
                                         GdkRectangle *);
extern GType gtk_combo_box_entry_get_type(void);
extern                                              GtkTextTagTable
*gtk_text_buffer_get_tag_table(GtkTextBuffer *);
extern     gboolean     gtk_tree_model_get_iter(GtkTreeModel     *,
GtkTreeIter *,
                                         GtkTreePath *);
extern     void     gtk_window_remove_accel_group(GtkWindow     *,
GtkAccelGroup *);
extern gint gtk_notebook_append_page(GtkNotebook *, GtkWidget *,
                                     GtkWidget *);
extern void gtk_container_set_focus_vadjustment(GtkContainer *,
                                                GtkAdjustment *);
extern void gtk_window_reshow_with_initial_size(GtkWindow *);
extern     void     gtk_viewport_set_hadjustment(GtkViewport     *,
GtkAdjustment *);
extern  gboolean  gtk_text_iter_backward_to_tag_toggle(GtkTextIter
*,
                                                       GtkTextTag
*);
extern                                                          void
gtk_entry_completion_insert_action_text(GtkEntryCompletion *,
                                                      gint,    const
gchar *);
extern void gtk_editable_copy_clipboard(GtkEditable *);
extern GtkTextMark *gtk_text_buffer_create_mark(GtkTextBuffer *,
                                                const gchar *,
                                                const  GtkTextIter
*,
                                                gboolean);
extern GType gtk_scroll_type_get_type(void);
extern   void   gtk_ui_manager_set_add_tearoffs(GtkUIManager   *,
gboolean);
extern   void   gtk_paint_flat_box(GtkStyle   *,   GdkWindow   *,
GtkStateType,
                                GtkShadowType,   GdkRectangle   *,
GtkWidget *,
                                const  gchar  *,  gint,  gint,  gint,
gint);
extern void gtk_tree_view_get_cursor(GtkTreeView *, GtkTreePath *
*,
                                     GtkTreeViewColumn * *);
extern GtkWidget *gtk_label_new(const gchar *);
```

```
extern    void    gtk_widget_remove_mnemonic_label(GtkWidget    *,
GtkWidget *);
extern GType gtk_size_group_get_type(void);
extern void gtk_text_buffer_insert_child_anchor(GtkTextBuffer *,
                                                GtkTextIter *,

GtkTextChildAnchor *);
extern void gtk_text_iter_forward_to_end(GtkTextIter *);
extern                                                        void
gtk_tree_view_column_set_sort_indicator(GtkTreeViewColumn *,
                                                     gboolean);
extern void gtk_widget_destroy(GtkWidget *);
extern                                                        void
gtk_widget_class_install_style_property(GtkWidgetClass *,
                                                     GParamSpec
*);
extern GType gtk_icon_factory_get_type(void);
extern                                                     gboolean
gtk_text_buffer_get_selection_bounds(GtkTextBuffer *,
                                                      GtkTextIter
*,
                                                      GtkTextIter
*);
extern  void  gtk_widget_set_composite_name(GtkWidget  *,  const
gchar *);
extern GtkWidget *gtk_vseparator_new(void);
extern                                            GtkFileFilterFlags
gtk_file_filter_get_needed(GtkFileFilter *);
extern gint gtk_entry_get_width_chars(GtkEntry *);
extern GtkWidget *gtk_get_event_widget(GdkEvent *);
extern void gtk_tree_view_column_set_title(GtkTreeViewColumn *,
                                           const gchar *);
extern gboolean gtk_text_iter_toggles_tag(const GtkTextIter *,
                                          GtkTextTag *);
extern void gtk_icon_factory_add_default(GtkIconFactory *);
extern void gtk_about_dialog_set_authors(GtkAboutDialog *,
                                         const gchar * *);
extern void gtk_expander_set_expanded(GtkExpander *, gboolean);
extern  void  gtk_container_foreach(GtkContainer  *,  GtkCallback,
gpointer);
extern void gtk_notebook_popup_enable(GtkNotebook *);
extern void gtk_widget_set_child_visible(GtkWidget *, gboolean);
extern GtkPositionType gtk_scale_get_value_pos(GtkScale *);
extern void gtk_target_list_unref(GtkTargetList *);
extern GType gtk_rc_flags_get_type(void);
extern  void  gtk_dialog_set_response_sensitive(GtkDialog  *,  gint,
gboolean);
extern   void   gtk_paint_slider(GtkStyle   *,   GdkWindow   *,
GtkStateType,
                             GtkShadowType,    GdkRectangle    *,
GtkWidget *,
                             const  gchar  *,  gint,  gint,  gint,
gint,
                             GtkOrientation);
extern  void  gtk_notebook_set_tab_label(GtkNotebook  *,  GtkWidget
*,
                                         GtkWidget *);
extern void gtk_list_store_set_valist(GtkListStore *, GtkTreeIter
*,
                                      va_list);
extern void gtk_widget_grab_default(GtkWidget *);
extern gboolean gtk_table_get_homogeneous(GtkTable *);
extern  GtkWidget  *gtk_layout_new(GtkAdjustment  *,  GtkAdjustment
*);
extern  void  gtk_accel_label_set_accel_closure(GtkAccelLabel  *,
GClosure *);
```

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```
extern void gtk_tree_view_map_expanded_rows(GtkTreeView *,

GtkTreeViewMappingFunc,
                                                gpointer);
extern                                                          void
gtk_tree_model_filter_set_visible_func(GtkTreeModelFilter *,

GtkTreeModelFilterVisibleFunc,
                                                        gpointer,

GtkDestroyNotify);
extern  void  gtk_tree_view_set_model(GtkTreeView  *,  GtkTreeModel
*);
extern     gboolean     gtk_icon_source_get_state_wildcarded(const
GtkIconSource
                                                          *);
extern void gtk_icon_theme_add_builtin_icon(const gchar *, gint,
                                                GdkPixbuf *);
extern GtkWidget *gtk_socket_new(void);
extern GtkWidget *gtk_drawing_area_new(void);
extern  void  gtk_selection_data_set(GtkSelectionData  *,  GdkAtom,
gint,
                                    const guchar *, gint);
extern                                                        gboolean
gtk_text_iter_backward_cursor_position(GtkTextIter *);
extern   PangoContext   *gtk_widget_create_pango_context(GtkWidget
*);
extern  void  gtk_cell_view_set_model(GtkCellView  *,  GtkTreeModel
*);
extern                                                        gboolean
gtk_clipboard_wait_is_target_available(GtkClipboard *,
                                                            GdkAtom);
extern gboolean gtk_window_get_modal(GtkWindow *);
extern void gtk_tree_view_column_clicked(GtkTreeViewColumn *);
extern void gtk_menu_set_monitor(GtkMenu *, gint);
extern   gboolean   gtk_text_iter_forward_sentence_end(GtkTextIter
*);
extern  gboolean  gtk_button_box_get_child_secondary(GtkButtonBox
*,
                                                        GtkWidget *);
extern  GtkObject  *gtk_adjustment_new(gdouble,  gdouble,  gdouble,
gdouble,
                                      gdouble, gdouble);
extern GtkWidget *gtk_cell_view_new(void);
extern gboolean gtk_combo_box_get_add_tearoffs(GtkComboBox *);
extern                                                        gboolean
gtk_text_iter_forward_cursor_positions(GtkTextIter *,
                                                            gint);
extern      void      gtk_window_set_type_hint(GtkWindow      *,
GdkWindowTypeHint);
extern void gtk_dialog_set_has_separator(GtkDialog *, gboolean);
extern GtkWidget *gtk_fixed_new(void);
extern void gtk_tree_view_enable_model_drag_source(GtkTreeView *,

GdkModifierType,
                                                        const
GtkTargetEntry *,
                                                        gint,
GdkDragAction);
extern void gtk_button_set_label(GtkButton *, const gchar *);
extern void gtk_text_view_scroll_mark_onscreen(GtkTextView *,
                                                      GtkTextMark *);
extern gchar *gtk_tree_model_get_string_from_iter(GtkTreeModel *,
                                                     GtkTreeIter *);
extern    void    gtk_viewport_set_vadjustment(GtkViewport    *,
GtkAdjustment *);
```

```
extern GtkIconSize gtk_icon_source_get_size(const GtkIconSource
*);
extern void gtk_init_add(GtkFunction, gpointer);
extern GtkOrientation gtk_icon_view_get_orientation(GtkIconView
*);
extern gint gtk_icon_view_get_markup_column(GtkIconView *);
extern void gtk_scrolled_window_set_vadjustment(GtkScrolledWindow
*,
                                                GtkAdjustment *);
extern void gtk_icon_view_set_model(GtkIconView *, GtkTreeModel
*);
extern void gtk_widget_set_state(GtkWidget *, GtkStateType);
extern void gtk_event_box_set_above_child(GtkEventBox *,
gboolean);
extern gboolean gtk_tree_path_prev(GtkTreePath *);
extern GType gtk_tree_view_get_type(void);
extern void gtk_action_connect_proxy(GtkAction *, GtkWidget *);
extern gboolean gtk_tree_view_get_dest_row_at_pos(GtkTreeView *,
gint,
                                                  gint,
GtkTreePath * *,

GtkTreeViewDropPosition
                                                  *);
extern void gtk_tree_view_column_set_max_width(GtkTreeViewColumn
*, gint);
extern GtkTreeViewColumn *gtk_tree_view_column_new(void);
extern void gtk_tree_view_column_clear(GtkTreeViewColumn *);
extern void
gtk_menu_tool_button_set_arrow_tooltip(GtkMenuToolButton *,
                                                   GtkTooltips *,
                                                   const gchar *,
                                                   const gchar
*);
extern GtkSettings *gtk_settings_get_default(void);
extern gboolean gtk_text_iter_backward_search(const GtkTextIter
*,
                                              const gchar *,
                                              GtkTextSearchFlags,
                                              GtkTextIter *,
GtkTextIter *,
                                              const GtkTextIter
*);
extern void gtk_object_destroy(GtkObject *);
extern gchar *gtk_text_buffer_get_slice(GtkTextBuffer *,
                                        const GtkTextIter *,
                                        const GtkTextIter *,
gboolean);
extern gboolean gtk_text_iter_backward_char(GtkTextIter *);
extern void gtk_tree_view_column_set_spacing(GtkTreeViewColumn *,
gint);
extern gboolean gtk_action_get_sensitive(GtkAction *);
extern gboolean gtk_tree_view_collapse_row(GtkTreeView *,
GtkTreePath *);
extern void
gtk_color_selection_set_previous_color(GtkColorSelection *,
                                                   const GdkColor
*);
extern gboolean gtk_label_get_selectable(GtkLabel *);
extern const gchar *gtk_file_filter_get_name(GtkFileFilter *);
extern gboolean gtk_font_button_get_show_size(GtkFontButton *);
extern void gtk_radio_action_set_group(GtkRadioAction *, GSList
*);
extern GtkWidget *gtk_hscale_new_with_range(gdouble, gdouble,
gdouble);
```

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```
extern GtkWidget *gtk_check_menu_item_new_with_mnemonic(const
gchar *);
extern GType gtk_path_type_get_type(void);
extern gboolean gtk_accel_label_refetch(GtkAccelLabel *);
extern gboolean gtk_im_context_get_surrounding(GtkIMContext *,
gchar * *,
                                                gint *);
extern void gtk_text_buffer_insert(GtkTextBuffer *, GtkTextIter
*,
                                   const gchar *, gint);
extern GtkWidget *gtk_toggle_button_new_with_mnemonic(const gchar
*);
extern void gtk_tree_selection_select_path(GtkTreeSelection *,
                                           GtkTreePath *);
extern guint gtk_accelerator_get_default_mod_mask(void);
extern GtkWidget *gtk_notebook_get_tab_label(GtkNotebook *,
GtkWidget *);
extern gboolean gtk_text_iter_inside_word(const GtkTextIter *);
extern void gtk_box_query_child_packing(GtkBox *, GtkWidget *,
gboolean *,
                                        gboolean *, guint *,
                                        GtkPackType *);
extern void gtk_rc_add_default_file(const gchar *);
extern void gtk_spin_button_set_value(GtkSpinButton *, gdouble);
extern gboolean gtk_window_get_has_frame(GtkWindow *);
extern void gtk_color_button_set_title(GtkColorButton *, const
gchar *);
extern void gtk_text_buffer_copy_clipboard(GtkTextBuffer *,
                                           GtkClipboard *);
extern void gtk_widget_realize(GtkWidget *);
extern GType gtk_im_status_style_get_type(void);
extern void gtk_icon_view_item_activated(GtkIconView *,
GtkTreePath *);
extern gint gtk_scale_get_digits(GtkScale *);
extern GtkTreeModel *gtk_tree_view_get_model(GtkTreeView *);
extern guint gtk_quit_add(guint, GtkFunction, gpointer);
extern void gtk_tool_button_set_use_underline(GtkToolButton *,
gboolean);
extern gboolean gtk_window_activate_key(GtkWindow *, GdkEventKey
*);
extern GtkWidget *gtk_drag_get_source_widget(GdkDragContext *);
extern guint gtk_statusbar_get_context_id(GtkStatusbar *, const
gchar *);
extern                                                  gboolean
gtk_file_chooser_get_use_preview_label(GtkFileChooser *);
extern void gtk_icon_set_unref(GtkIconSet *);
extern void gtk_tree_store_insert_before(GtkTreeStore *,
GtkTreeIter *,
                                         GtkTreeIter *,
GtkTreeIter *);
extern void gtk_button_box_set_layout(GtkButtonBox *,
GtkButtonBoxStyle);
extern void gtk_label_set_pattern(GtkLabel *, const gchar *);
extern GType gtk_toggle_tool_button_get_type(void);
extern                                              GtkWidget
*gtk_tree_view_column_get_widget(GtkTreeViewColumn *);
extern GtkWidget *gtk_radio_button_new_with_mnemonic(GSList *,
                                                     const gchar
*);
extern void gtk_clipboard_clear(GtkClipboard *);
extern void gtk_misc_get_alignment(GtkMisc *, gfloat *, gfloat
*);
extern void gtk_tree_store_set_value(GtkTreeStore *, GtkTreeIter
*, gint,
                                     GValue *);
extern GType gtk_font_selection_get_type(void);
```

```
extern                                                    GParamSpec
**gtk_container_class_list_child_properties(GObjectClass
                                                                  *,
guint *);
extern void gtk_tree_model_row_has_child_toggled(GtkTreeModel *,
                                                 GtkTreePath *,
                                                 GtkTreeIter *);
extern GType gtk_vbox_get_type(void);
extern void gtk_drag_set_icon_pixbuf(GdkDragContext *, GdkPixbuf
*, gint,
                                     gint);
extern void gtk_text_view_set_overwrite(GtkTextView *, gboolean);
extern void gtk_combo_box_set_row_separator_func(GtkComboBox *,

GtkTreeViewRowSeparatorFunc,
                                                 gpointer,

GtkDestroyNotify);
extern GType gtk_cell_renderer_progress_get_type(void);
extern gboolean gtk_fixed_get_has_window(GtkFixed *);
extern gboolean gtk_editable_get_selection_bounds(GtkEditable *,
gint *,
                                                  gint *);
extern gboolean gtk_icon_theme_rescan_if_needed(GtkIconTheme *);
extern void gtk_accel_map_add_entry(const gchar *, guint,
GdkModifierType);
extern void gtk_text_iter_set_line_offset(GtkTextIter *, gint);
extern void gtk_icon_source_set_size(GtkIconSource *,
GtkIconSize);
extern gboolean gtk_window_has_toplevel_focus(GtkWindow *);
extern void gtk_menu_item_deselect(GtkMenuItem *);
extern void gtk_accel_label_set_accel_widget(GtkAccelLabel *,
GtkWidget *);
extern gboolean gtk_main_iteration_do(gboolean);
extern GtkIconTheme *gtk_icon_theme_get_default(void);
extern void gtk_drag_dest_set(GtkWidget *, GtkDestDefaults,
                              const GtkTargetEntry *, gint,
GdkDragAction);
extern gchar *gtk_rc_find_pixmap_in_path(GtkSettings *, GScanner
*,
                                         const gchar *);
extern void gtk_style_apply_default_background(GtkStyle *,
GdkWindow *,
                                               gboolean,
GtkStateType,
                                               GdkRectangle *,
gint, gint,
                                               gint, gint);
extern GType gtk_file_chooser_dialog_get_type(void);
extern gboolean gtk_tree_model_iter_parent(GtkTreeModel *,
GtkTreeIter *,
                                           GtkTreeIter *);
extern GtkWidget *gtk_vscale_new(GtkAdjustment *);
extern GtkWidget *gtk_spin_button_new_with_range(gdouble,
gdouble,
                                                 gdouble);
extern GtkWidget *gtk_image_new(void);
extern GtkIMContext *gtk_im_multicontext_new(void);
extern void gtk_tree_view_column_set_sizing(GtkTreeViewColumn *,

GtkTreeViewColumnSizing);
extern GtkWidget *gtk_radio_button_new_with_label(GSList *, const
gchar *);
extern GtkTreePath *gtk_icon_view_get_path_at_pos(GtkIconView *,
gint,
                                                  gint);
```

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```
extern                                                    gboolean
gtk_tree_view_column_get_clickable(GtkTreeViewColumn *);
extern void gtk_editable_insert_text(GtkEditable *, const gchar
*, gint,
                                     gint *);
extern guint gtk_key_snooper_install(GtkKeySnoopFunc, gpointer);
extern void gtk_object_sink(GtkObject *);
extern void gtk_widget_style_get(GtkWidget *, const gchar *,
...);
extern GList *gtk_icon_theme_list_icons(GtkIconTheme *, const
char *);
extern void gtk_cell_renderer_get_fixed_size(GtkCellRenderer *,
gint *,
                                             gint *);
extern void gtk_button_released(GtkButton *);
extern void gtk_icon_source_set_size_wildcarded(GtkIconSource *,
gboolean);
extern void gtk_window_begin_resize_drag(GtkWindow *,
GdkWindowEdge, gint,
                                         gint, gint, guint32);
extern gboolean gtk_text_iter_forward_to_tag_toggle(GtkTextIter
*,
                                                    GtkTextTag
*);
extern                                                    gboolean
gtk_tree_selection_path_is_selected(GtkTreeSelection *,
                                                    GtkTreePath
*);
extern void gtk_window_set_wmclass(GtkWindow *, const gchar *,
                                   const gchar *);
extern GtkWidget *gtk_action_create_icon(GtkAction *,
GtkIconSize);
extern gboolean gtk_text_iter_backward_line(GtkTextIter *);
extern gchar

*gtk_font_selection_dialog_get_font_name(GtkFontSelectionDialog
*);
extern GType gtk_cell_renderer_toggle_get_type(void);
extern void gtk_tree_model_rows_reordered(GtkTreeModel *,
GtkTreePath *,
                                          GtkTreeIter *, gint *);
extern PangoLayout *gtk_label_get_layout(GtkLabel *);
extern gboolean gtk_tree_view_get_path_at_pos(GtkTreeView *,
gint, gint,
                                              GtkTreePath * *,
                                              GtkTreeViewColumn *
*,
                                              gint *, gint *);
extern gboolean gtk_combo_box_get_active_iter(GtkComboBox *,
                                              GtkTreeIter *);
extern gboolean gtk_label_get_line_wrap(GtkLabel *);
extern gboolean gtk_window_activate_focus(GtkWindow *);
extern void gtk_table_set_row_spacing(GtkTable *, guint, guint);
extern void gtk_widget_ensure_style(GtkWidget *);
extern GType gtk_selection_mode_get_type(void);
extern gboolean gtk_window_activate_default(GtkWindow *);
extern GtkAboutDialogActivateLinkFunc
gtk_about_dialog_set_url_hook(GtkAboutDialogActivateLinkFunc,
gpointer,
                              GDestroyNotify);
extern                                                    gboolean
gtk_check_menu_item_get_inconsistent(GtkCheckMenuItem *);
extern gchar *gtk_set_locale(void);
extern void gtk_icon_theme_set_screen(GtkIconTheme *, GdkScreen
*);
extern gint gtk_editable_get_position(GtkEditable *);
```

```
extern void gtk_icon_theme_set_search_path(GtkIconTheme *, const
gchar * *,
                                            gint);
extern void gtk_text_view_set_justification(GtkTextView *,
                                             GtkJustification);
extern GdkPixbuf *gtk_selection_data_get_pixbuf(GtkSelectionData
*);
extern void gtk_spin_button_spin(GtkSpinButton *, GtkSpinType,
gdouble);
extern gint gtk_notebook_append_page_menu(GtkNotebook *,
GtkWidget *,
                                           GtkWidget *, GtkWidget
*);
extern gboolean gtk_text_view_move_mark_onscreen(GtkTextView *,
                                                  GtkTextMark *);
extern void gtk_widget_set_sensitive(GtkWidget *, gboolean);
extern GtkTreePath

*gtk_tree_model_sort_convert_path_to_child_path(GtkTreeModelSort
*,
                                                        GtkTreePath
*);
extern void gtk_drag_set_icon_pixmap(GdkDragContext *,
GdkColormap *,
                                      GdkPixmap *, GdkBitmap *,
gint, gint);
extern                                                    gboolean
gtk_text_child_anchor_get_deleted(GtkTextChildAnchor *);
extern gboolean gtk_tree_view_expand_row(GtkTreeView *,
GtkTreePath *,
                                          gboolean);
extern GtkWidget *gtk_expander_get_label_widget(GtkExpander *);
extern void gtk_range_set_update_policy(GtkRange *,
GtkUpdateType);
extern void gtk_curve_set_curve_type(GtkCurve *, GtkCurveType);
extern void gtk_handle_box_set_shadow_type(GtkHandleBox *,
GtkShadowType);
extern gboolean gtk_tool_item_get_expand(GtkToolItem *);
extern GtkWidget *gtk_window_new(GtkWindowType);
extern GType gtk_list_store_get_type(void);
extern GtkWidget *gtk_cell_view_new_with_markup(const gchar *);
extern void gtk_fixed_set_has_window(GtkFixed *, gboolean);
extern void gtk_cell_view_set_displayed_row(GtkCellView *,
GtkTreePath *);
extern void gtk_button_set_use_underline(GtkButton *, gboolean);
extern GtkWindow *gtk_window_get_transient_for(GtkWindow *);
extern GtkTreeIter *gtk_tree_iter_copy(GtkTreeIter *);
extern void gtk_file_chooser_set_current_name(GtkFileChooser *,
                                               const gchar *);
extern void gtk_window_set_decorated(GtkWindow *, gboolean);
extern const guint gtk_interface_age;
extern void gtk_menu_shell_deselect(GtkMenuShell *);
extern                                                    gboolean
gtk_text_iter_backward_cursor_positions(GtkTextIter *,
                                                         gint);
extern gboolean gtk_text_iter_can_insert(const GtkTextIter *,
gboolean);
extern gboolean gtk_widget_is_ancestor(GtkWidget *, GtkWidget *);
extern GType gtk_check_menu_item_get_type(void);
extern gboolean gtk_tree_path_up(GtkTreePath *);
extern void gtk_dialog_response(GtkDialog *, gint);
extern GdkWindowTypeHint gtk_window_get_type_hint(GtkWindow *);
extern void gtk_widget_queue_resize_no_redraw(GtkWidget *);
extern GtkWidget *gtk_frame_new(const gchar *);
extern                                                       void
gtk_tree_view_column_set_reorderable(GtkTreeViewColumn *,
```

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```
                                                    gboolean);
extern GtkCellRenderer *gtk_cell_renderer_progress_new(void);
extern void gtk_widget_grab_focus(GtkWidget *);
extern void gtk_target_list_ref(GtkTargetList *);
extern PangoTabArray *gtk_text_view_get_tabs(GtkTextView *);
extern   void   gtk_icon_info_set_raw_coordinates(GtkIconInfo   *,
gboolean);
extern void gtk_window_present(GtkWindow *);
extern GType gtk_button_box_style_get_type(void);
extern void gtk_image_get_icon_set(GtkImage *, GtkIconSet * *,
                                   GtkIconSize *);
extern PangoLanguage *gtk_get_default_language(void);
extern gchar **gtk_selection_data_get_uris(GtkSelectionData *);
extern gdouble gtk_progress_bar_get_fraction(GtkProgressBar *);
extern GType gtk_radio_tool_button_get_type(void);
extern gboolean gtk_toggle_action_get_active(GtkToggleAction *);
extern const guint gtk_major_version;
extern GType gtk_signal_run_type_get_type(void);
extern void gtk_rc_reset_styles(GtkSettings *);
extern void gtk_tree_view_set_search_column(GtkTreeView *, gint);
extern void gtk_widget_modify_fg(GtkWidget *, GtkStateType,
                                 const GdkColor *);
extern    void    gtk_icon_size_register_alias(const    gchar    *,
GtkIconSize);
extern void gtk_text_view_window_to_buffer_coords(GtkTextView *,

GtkTextWindowType, gint,
                                                     gint,  gint  *,
gint *);
extern void gtk_cell_renderer_render(GtkCellRenderer *, GdkWindow
*,
                                     GtkWidget *, GdkRectangle *,
                                     GdkRectangle *, GdkRectangle
*,
                                     GtkCellRendererState);
extern gboolean gtk_calendar_mark_day(GtkCalendar *, guint);
extern const gchar *gtk_window_get_icon_name(GtkWindow *);
extern void gtk_menu_attach(GtkMenu *, GtkWidget *, guint, guint,
guint,
                            guint);
extern const gchar *gtk_about_dialog_get_name(GtkAboutDialog *);
extern                                                        gint
gtk_tree_selection_count_selected_rows(GtkTreeSelection *);
extern GtkAccelGroup *gtk_ui_manager_get_accel_group(GtkUIManager
*);
extern void gtk_tree_view_column_focus_cell(GtkTreeViewColumn *,
                                            GtkCellRenderer *);
extern gboolean gtk_window_get_resizable(GtkWindow *);
extern void gtk_label_set_angle(GtkLabel *, gdouble);
extern  void  gtk_tree_view_column_set_alignment(GtkTreeViewColumn
*,
                                                 gfloat);
extern void gtk_drag_unhighlight(GtkWidget *);
extern guint gtk_debug_flags;
extern GType gtk_tree_view_mode_get_type(void);
extern   void   gtk_notebook_set_tab_label_packing(GtkNotebook   *,
GtkWidget *,
                                                 gboolean,
gboolean,
                                                 GtkPackType);
extern GType gtk_tree_drag_source_get_type(void);
extern gchar *gtk_check_version(guint, guint, guint);
extern gboolean gtk_text_iter_backward_word_start(GtkTextIter *);
extern  void  gtk_toggle_action_set_draw_as_radio(GtkToggleAction
*,
                                                  gboolean);
```

```
extern GtkRcStyle *gtk_rc_style_new(void);
extern gint gtk_toolbar_get_item_index(GtkToolbar *, GtkToolItem
*);
extern GtkWidget
*gtk_file_chooser_get_extra_widget(GtkFileChooser *);
extern gboolean gtk_font_button_get_use_size(GtkFontButton *);
extern gboolean gtk_false(void);
extern void gtk_accel_map_unlock_path(const gchar *);
extern GtkShadowType
gtk_scrolled_window_get_shadow_type(GtkScrolledWindow
*);
extern void gtk_tree_view_column_set_visible(GtkTreeViewColumn *,
gboolean);
extern GtkAction *gtk_ui_manager_get_action(GtkUIManager *, const
gchar *);
extern gboolean gtk_rc_property_parse_flags(const GParamSpec *,
const GString *,
GValue *);
extern void gtk_icon_theme_prepend_search_path(GtkIconTheme *,
const gchar *);
extern gint gtk_radio_action_get_current_value(GtkRadioAction *);
extern void gtk_file_selection_set_filename(GtkFileSelection *,
const gchar *);
extern void gtk_im_context_set_surrounding(GtkIMContext *, const
gchar *,
gint, gint);
extern void gtk_drag_dest_add_text_targets(GtkWidget *);
extern void gtk_image_set_from_pixmap(GtkImage *, GdkPixmap *,
GdkBitmap *);
extern void gtk_icon_view_unselect_path(GtkIconView *,
GtkTreePath *);
extern GSList *gtk_stock_list_ids(void);
extern void gtk_file_chooser_remove_filter(GtkFileChooser *,
GtkFileFilter *);
extern GtkListStore *gtk_list_store_newv(gint, GType *);
extern GtkTextTag *gtk_text_tag_table_lookup(GtkTextTagTable *,
const gchar *);
extern void gtk_window_set_skip_pager_hint(GtkWindow *,
gboolean);
extern gboolean gtk_button_get_focus_on_click(GtkButton *);
extern void
gtk_file_selection_hide_fileop_buttons(GtkFileSelection *);
extern void gtk_radio_menu_item_set_group(GtkRadioMenuItem *,
GSList *);
extern void gtk_color_button_set_use_alpha(GtkColorButton *,
gboolean);
extern void gtk_widget_pop_colormap(void);
extern void gtk_widget_set_no_show_all(GtkWidget *, gboolean);
extern GtkSettings *gtk_settings_get_for_screen(GdkScreen *);
extern void gtk_font_selection_set_preview_text(GtkFontSelection
*,
const gchar *);
extern GtkSelectionData
*gtk_clipboard_wait_for_contents(GtkClipboard *,

GdkAtom);
extern GType gtk_spin_type_get_type(void);
extern GType gtk_movement_step_get_type(void);
extern GType gtk_icon_source_get_type(void);
extern void gtk_window_set_skip_taskbar_hint(GtkWindow *,
gboolean);
extern gint gtk_tree_view_column_get_width(GtkTreeViewColumn *);
extern GType gtk_invisible_get_type(void);
extern void
gtk_cell_renderer_toggle_set_active(GtkCellRendererToggle *,
gboolean);
```

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```
extern   void   gtk_menu_item_set_right_justified(GtkMenuItem   *,
gboolean);
extern GType gtk_widget_flags_get_type(void);
extern void gtk_action_connect_accelerator(GtkAction *);
extern GtkWidget *gtk_image_new_from_pixbuf(GdkPixbuf *);
extern gint gtk_icon_view_get_columns(GtkIconView *);
extern void gtk_menu_set_tearoff_state(GtkMenu *, gboolean);
extern void gtk_progress_bar_set_ellipsize(GtkProgressBar *,
                                           PangoEllipsizeMode);
extern void gtk_image_set_from_pixbuf(GtkImage *, GdkPixbuf *);
extern gboolean gtk_text_view_get_cursor_visible(GtkTextView *);
extern void gtk_image_set_from_stock(GtkImage *, const gchar *,
                                     GtkIconSize);
extern GType gtk_event_box_get_type(void);
extern void gtk_icon_source_free(GtkIconSource *);
extern void gtk_menu_attach_to_widget(GtkMenu *, GtkWidget *,
                                      GtkMenuDetachFunc);
extern void gtk_menu_reposition(GtkMenu *);
extern  GtkTreeSelection  *gtk_tree_view_get_selection(GtkTreeView
*);
extern void gtk_button_clicked(GtkButton *);
extern GType gtk_file_chooser_error_get_type(void);
extern void gtk_list_store_swap(GtkListStore *, GtkTreeIter *,
                                GtkTreeIter *);
extern  void  gtk_tree_model_get(GtkTreeModel  *,  GtkTreeIter  *,
...);
extern GtkWidget *gtk_ui_manager_get_widget(GtkUIManager *, const
gchar *);
extern  GtkIconSize  gtk_icon_size_register(const  gchar  *,  gint,
gint);
extern gboolean gtk_text_view_get_accepts_tab(GtkTextView *);
extern GtkWidget *gtk_radio_button_new_from_widget(GtkRadioButton
*);
extern char *gtk_file_chooser_get_preview_filename(GtkFileChooser
*);
extern  void  gtk_invisible_set_screen(GtkInvisible  *,  GdkScreen
*);
extern GdkDisplay *gtk_clipboard_get_display(GtkClipboard *);
extern GType gtk_statusbar_get_type(void);
extern GtkWidget *gtk_font_button_new(void);
extern GType gtk_tearoff_menu_item_get_type(void);
extern const gchar *gtk_icon_size_get_name(GtkIconSize);
extern                                                  GSList
*gtk_file_chooser_list_shortcut_folder_uris(GtkFileChooser
                                                         *);
extern GType gtk_tree_row_reference_get_type(void);
extern                                                  gfloat
gtk_tree_view_column_get_alignment(GtkTreeViewColumn *);
extern                                                 gboolean
gtk_file_chooser_add_shortcut_folder_uri(GtkFileChooser *,
                                                       const
char *,
                                                       GError  *
*);
extern GtkWidget *gtk_window_get_focus(GtkWindow *);
extern GtkWidget *gtk_label_new_with_mnemonic(const gchar *);
extern gboolean gtk_entry_get_activates_default(GtkEntry *);
extern void gtk_layout_set_hadjustment(GtkLayout *, GtkAdjustment
*);
extern gint gtk_text_buffer_get_line_count(GtkTextBuffer *);
extern GType gtk_button_get_type(void);
extern void gtk_table_set_row_spacings(GtkTable *, guint);
extern GtkWidget *gtk_statusbar_new(void);
extern GtkCellRenderer *gtk_cell_renderer_toggle_new(void);
extern void gtk_widget_modify_style(GtkWidget *, GtkRcStyle *);
```

```
extern GdkPixbuf *gtk_widget_render_icon(GtkWidget *, const gchar
*,
                                          GtkIconSize, const gchar
*);
extern void gtk_accel_map_add_filter(const gchar *);
extern       void       gtk_window_set_position(GtkWindow       *,
GtkWindowPosition);
extern void gtk_text_tag_table_foreach(GtkTextTagTable *,
                                       GtkTextTagTableForeach,
gpointer);
extern GtkIconSet *gtk_icon_set_new_from_pixbuf(GdkPixbuf *);
extern GtkWidget *gtk_hruler_new(void);
extern gboolean gtk_expander_get_expanded(GtkExpander *);
extern void gtk_editable_delete_text(GtkEditable *, gint, gint);
extern   void   gtk_paint_shadow(GtkStyle   *,   GdkWindow   *,
GtkStateType,
                              GtkShadowType,    GdkRectangle    *,
GtkWidget *,
                              const  gchar  *,  gint,  gint,  gint,
gint);
extern GdkPixbuf *gtk_icon_theme_load_icon(GtkIconTheme *, const
gchar *,
                                            gint,
GtkIconLookupFlags,
                                            GError * *);
extern void gtk_window_maximize(GtkWindow *);
extern GtkWidget *gtk_bin_get_child(GtkBin *);
extern   void   gtk_notebook_set_menu_label_text(GtkNotebook   *,
GtkWidget *,
                                              const gchar *);
extern GtkStockItem *gtk_stock_item_copy(const GtkStockItem *);
extern void gtk_tool_item_rebuild_menu(GtkToolItem *);
extern void gtk_style_set_background(GtkStyle *, GdkWindow *,
                                     GtkStateType);
extern gboolean gtk_text_iter_starts_line(const GtkTextIter *);
extern                                                    gboolean
gtk_tree_model_sort_iter_is_valid(GtkTreeModelSort *,
                                                   GtkTreeIter *);
extern void gtk_clipboard_set_image(GtkClipboard *, GdkPixbuf *);
extern gboolean gtk_selection_owner_set_for_display(GdkDisplay *,
                                                     GtkWidget   *,
GdkAtom,
                                                     guint32);
extern void gtk_tree_view_column_pack_start(GtkTreeViewColumn *,
                                            GtkCellRenderer     *,
gboolean);
extern gboolean gtk_text_iter_in_range(const GtkTextIter *,
                                       const GtkTextIter *,
                                       const GtkTextIter *);
extern  const  gchar  *gtk_about_dialog_get_comments(GtkAboutDialog
*);
extern  GtkWidget  *gtk_file_chooser_button_new_with_backend(const
gchar *,

GtkFileChooserAction,
                                                                const
gchar *);
extern GtkWidget *gtk_widget_new(GType, const gchar *, ...);
extern GtkWidget *gtk_combo_box_entry_new_text(void);
extern GType gtk_resize_mode_get_type(void);
extern                                                        void
gtk_entry_completion_set_match_func(GtkEntryCompletion *,

GtkEntryCompletionMatchFunc,
                                                     gpointer,
GDestroyNotify);
```

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```
extern   void   gtk_spin_button_get_increments(GtkSpinButton   *,
gdouble *,
                                          gdouble *);
extern    void    gtk_font_button_set_use_font(GtkFontButton    *,
gboolean);
extern GdkColormap *gtk_widget_get_colormap(GtkWidget *);
extern GtkToolItem *gtk_radio_tool_button_new(GSList *);
extern                                                      void
gtk_color_selection_set_current_alpha(GtkColorSelection *,
                                                     guint16);
extern gchar **gtk_rc_get_default_files(void);
extern void gtk_editable_paste_clipboard(GtkEditable *);
extern void gtk_accel_map_load(const gchar *);
extern GtkTooltips *gtk_tooltips_new(void);
extern GtkWidget *gtk_image_new_from_file(const gchar *);
extern gint gtk_icon_view_get_spacing(GtkIconView *);
extern GtkWidget *gtk_vbutton_box_new(void);
extern void gtk_widget_freeze_child_notify(GtkWidget *);
extern GtkStyle *gtk_style_new(void);
extern void gtk_editable_set_editable(GtkEditable *, gboolean);
extern GtkWidget *gtk_button_new_with_mnemonic(const gchar *);
extern GType gtk_separator_menu_item_get_type(void);
extern  void  gtk_window_set_frame_dimensions(GtkWindow  *,  gint,
gint, gint,
                                           gint);
extern void gtk_text_buffer_select_range(GtkTextBuffer *,
                                       const GtkTextIter *,
                                       const GtkTextIter *);
extern    gboolean    gtk_tree_view_row_expanded(GtkTreeView    *,
GtkTreePath *);
extern void gtk_window_set_role(GtkWindow *, const gchar *);
extern  void  gtk_plug_construct_for_display(GtkPlug  *,  GdkDisplay
*,
                                          GdkNativeWindow);
extern   void   gtk_action_group_set_visible(GtkActionGroup   *,
gboolean);
extern void gtk_misc_get_padding(GtkMisc *, gint *, gint *);
extern GType gtk_file_chooser_get_type(void);
extern  void  gtk_tree_view_column_set_resizable(GtkTreeViewColumn
*,
                                                gboolean);
extern void gtk_tree_view_columns_autosize(GtkTreeView *);
extern void gtk_layout_set_size(GtkLayout *, guint, guint);
extern gboolean gtk_toggle_button_get_mode(GtkToggleButton *);
extern GType gtk_expander_style_get_type(void);
extern  void  gtk_accessible_connect_widget_destroyed(GtkAccessible
*);
extern  void  gtk_tree_view_set_cursor(GtkTreeView  *,  GtkTreePath
*,
                                     GtkTreeViewColumn         *,
gboolean);
extern  void  gtk_button_box_set_child_secondary(GtkButtonBox  *,
GtkWidget *,
                                                gboolean);
extern     void     gtk_tree_model_row_deleted(GtkTreeModel     *,
GtkTreePath *);
extern                                                      void
gtk_tree_selection_set_select_function(GtkTreeSelection *,

GtkTreeSelectionFunc,
                                                  gpointer,

GtkDestroyNotify);
extern                                                 gboolean
gtk_tree_drag_source_row_draggable(GtkTreeDragSource *,
```

```
                                                    GtkTreePath
*);
extern GtkAccelGroupEntry *gtk_accel_group_query(GtkAccelGroup *,
guint,
                                                  GdkModifierType,
guint *);
extern    void    gtk_expander_set_label_widget(GtkExpander    *,
GtkWidget *);
extern void gtk_target_list_add_table(GtkTargetList *,
                                      const   GtkTargetEntry   *,
guint);
extern gint gtk_icon_view_get_row_spacing(GtkIconView *);
extern                                                    gboolean
gtk_text_view_forward_display_line_end(GtkTextView *,

GtkTextIter *);
extern GtkIconSize gtk_tool_item_get_icon_size(GtkToolItem *);
extern void gtk_widget_set_default_direction(GtkTextDirection);
extern void gtk_tree_view_move_column_after(GtkTreeView *,
                                            GtkTreeViewColumn *,
                                            GtkTreeViewColumn *);
extern GType gtk_notebook_tab_get_type(void);
extern GtkActionGroup *gtk_action_group_new(const gchar *);
extern  void  gtk_widget_add_mnemonic_label(GtkWidget  *,  GtkWidget
*);
extern GType gtk_text_child_anchor_get_type(void);
extern const gchar *gtk_icon_info_get_filename(GtkIconInfo *);
extern  void  gtk_menu_item_set_submenu(GtkMenuItem  *,  GtkWidget
*);
extern void gtk_menu_detach(GtkMenu *);
extern void gtk_container_resize_children(GtkContainer *);
extern GType gtk_text_mark_get_type(void);
extern gint gtk_entry_get_max_length(GtkEntry *);
extern GSList *gtk_radio_menu_item_get_group(GtkRadioMenuItem *);
extern GType gtk_text_attributes_get_type(void);
extern gboolean gtk_text_mark_get_left_gravity(GtkTextMark *);
extern   GdkRegion   *gtk_widget_region_intersect(GtkWidget   *,
GdkRegion *);
extern GtkWidget *gtk_handle_box_new(void);
extern GList *gtk_menu_get_for_attach_widget(GtkWidget *);
extern void gtk_list_store_set_column_types(GtkListStore *, gint,
GType *);
extern   void   gtk_paint_option(GtkStyle   *,   GdkWindow   *,
GtkStateType,
                            GtkShadowType,    GdkRectangle    *,
GtkWidget *,
                            const  gchar  *,  gint,  gint,  gint,
gint);
extern void gtk_tree_selection_select_iter(GtkTreeSelection *,
                                           GtkTreeIter *);
extern                                                       void
gtk_tree_view_column_set_fixed_width(GtkTreeViewColumn *,
                                                  gint);
extern GtkTextBuffer *gtk_text_buffer_new(GtkTextTagTable *);
extern    void    gtk_menu_shell_activate_item(GtkMenuShell    *,
GtkWidget *,
                                         gboolean);
extern void gtk_tree_view_column_set_widget(GtkTreeViewColumn *,
                                            GtkWidget *);
extern gint gtk_notebook_get_current_page(GtkNotebook *);
extern GtkWidget *gtk_message_dialog_new_with_markup(GtkWindow *,

GtkDialogFlags,

GtkMessageType,
```

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```
GtkButtonsType,
                                                        const   gchar
*, ...);
extern const gchar *gtk_widget_get_name(GtkWidget *);
extern                                                           gint
gtk_entry_completion_get_text_column(GtkEntryCompletion *);
extern GType gtk_calendar_get_type(void);
extern void gtk_tree_view_unset_rows_drag_source(GtkTreeView *);
extern   void   gtk_tool_button_set_icon_widget(GtkToolButton   *,
GtkWidget *);
extern GType gtk_cell_renderer_mode_get_type(void);
extern GtkWidget *gtk_check_button_new_with_label(const gchar *);
extern  void  gtk_cell_editable_start_editing(GtkCellEditable  *,
GdkEvent *);
extern gboolean gtk_widget_has_screen(GtkWidget *);
extern  void  gtk_dialog_set_alternative_button_order(GtkDialog  *,
gint,
                                                        ...);
extern void gtk_radio_tool_button_set_group(GtkRadioToolButton *,
                                            GSList *);
extern void gtk_menu_item_activate(GtkMenuItem *);
extern const gchar *gtk_window_get_title(GtkWindow *);
extern void gtk_window_set_gravity(GtkWindow *, GdkGravity);
extern GtkCalendarDisplayOptions
gtk_calendar_get_display_options(GtkCalendar *);
extern    void    gtk_text_tag_table_remove(GtkTextTagTable    *,
GtkTextTag *);
extern  void  gtk_font_button_set_title(GtkFontButton  *,  const
gchar *);
extern    void    gtk_tree_row_reference_reordered(GObject    *,
GtkTreePath *,
                                             GtkTreeIter  *,  gint
*);
extern  void  gtk_file_filter_add_mime_type(GtkFileFilter  *,  const
gchar *);
extern GOptionGroup *gtk_get_option_group(gboolean);
extern gchar *gtk_ui_manager_get_ui(GtkUIManager *);
extern void gtk_ruler_set_metric(GtkRuler *, GtkMetricType);
extern GtkToolItem *gtk_tool_item_new(void);
extern  void  gtk_about_dialog_set_license(GtkAboutDialog  *,  const
gchar *);
extern   void   gtk_paint_box_gap(GtkStyle   *,   GdkWindow   *,
GtkStateType,
                             GtkShadowType,    GdkRectangle    *,
GtkWidget *,
                             gchar *, gint, gint, gint, gint,
                             GtkPositionType, gint, gint);
extern GtkWidget *gtk_plug_new(GdkNativeWindow);
extern GType gtk_im_multicontext_get_type(void);
extern   void   gtk_toggle_action_set_active(GtkToggleAction   *,
gboolean);
extern  void  gtk_label_set_text_with_mnemonic(GtkLabel  *,  const
gchar *);
extern GtkWidget *gtk_table_new(guint, guint, gboolean);
extern   GtkWidget   *gtk_alignment_new(gfloat,   gfloat,   gfloat,
gfloat);
extern gint gtk_icon_view_get_margin(GtkIconView *);
extern    void    gtk_notebook_set_show_border(GtkNotebook    *,
gboolean);
extern void gtk_text_buffer_paste_clipboard(GtkTextBuffer *,
                                            GtkClipboard       *,
GtkTextIter *,
                                            gboolean);
extern GtkWidget *gtk_hscrollbar_new(GtkAdjustment *);
```

```
extern  gboolean  gtk_tree_view_get_fixed_height_mode(GtkTreeView
*);
extern gboolean gtk_tree_store_remove(GtkTreeStore *, GtkTreeIter
*);
extern GList *gtk_widget_list_mnemonic_labels(GtkWidget *);
extern void gtk_cell_layout_add_attribute(GtkCellLayout *,
                                          GtkCellRenderer       *,
const gchar *,
                                          gint);
extern                                                  GParamSpec
**gtk_widget_class_list_style_properties(GtkWidgetClass
                                                              *,
guint *);
extern                                                     gint
gtk_entry_completion_get_minimum_key_length(GtkEntryCompletion
                                                            *);
extern     void     gtk_text_buffer_move_mark(GtkTextBuffer     *,
GtkTextMark *,
                                       const GtkTextIter *);
extern gboolean gtk_text_mark_get_visible(GtkTextMark *);
extern  void  gtk_list_store_set_value(GtkListStore  *,  GtkTreeIter
*, gint,
                                      GValue *);
extern  void  gtk_widget_style_get_property(GtkWidget  *,  const
gchar *,
                                          GValue *);
extern void gtk_widget_modify_bg(GtkWidget *, GtkStateType,
                                 const GdkColor *);
extern  GtkWidget  *gtk_image_menu_item_new_with_label(const  gchar
*);
extern gboolean gtk_font_button_get_use_font(GtkFontButton *);
extern  gboolean  gtk_im_context_delete_surrounding(GtkIMContext  *,
gint,
                                                       gint);
extern void gtk_misc_set_alignment(GtkMisc *, gfloat, gfloat);
extern  GtkWidget  *gtk_tool_button_get_label_widget(GtkToolButton
*);
extern gint gtk_toolbar_get_n_items(GtkToolbar *);
extern  GtkWidget  *gtk_tool_button_get_icon_widget(GtkToolButton
*);
extern  gboolean  gtk_tree_row_reference_valid(GtkTreeRowReference
*);
extern gboolean gtk_tree_model_iter_nth_child(GtkTreeModel *,
                                              GtkTreeIter       *,
GtkTreeIter *,
                                              gint);
extern void gtk_tree_view_set_search_equal_func(GtkTreeView *,

GtkTreeViewSearchEqualFunc,
                                                gpointer,

GtkDestroyNotify);
extern  GtkWidget  *gtk_image_new_from_animation(GdkPixbufAnimation
*);
extern gint gtk_tree_view_remove_column(GtkTreeView *,
                                        GtkTreeViewColumn *);
extern   void   gtk_window_remove_mnemonic(GtkWindow   *,   guint,
GtkWidget *);
extern GType gtk_text_iter_get_type(void);
extern gboolean gtk_action_get_visible(GtkAction *);
extern GtkWidget *gtk_radio_button_new(GSList *);
extern gboolean gtk_text_iter_ends_word(const GtkTextIter *);
extern GType gtk_visibility_get_type(void);
extern GType gtk_im_context_simple_get_type(void);
extern GdkWindow *gtk_widget_get_root_window(GtkWidget *);
extern GType gtk_vruler_get_type(void);
```

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```
extern     void     gtk_image_set_from_animation(GtkImage     *,
GdkPixbufAnimation *);
extern   void   gtk_tree_view_set_enable_search(GtkTreeView   *,
gboolean);
extern void gtk_combo_box_popdown(GtkComboBox *);
extern void gtk_tree_view_expand_all(GtkTreeView *);
extern  void  gtk_drag_source_set_icon_stock(GtkWidget  *,  const
gchar *);
extern  const  gchar  *gtk_icon_info_get_display_name(GtkIconInfo
*);
extern void gtk_window_iconify(GtkWindow *);
extern GType gtk_color_selection_dialog_get_type(void);
extern GtkIconTheme *gtk_icon_theme_new(void);
extern gint gtk_icon_info_get_base_size(GtkIconInfo *);
extern void gtk_action_block_activate_from(GtkAction *, GtkWidget
*);
extern void gtk_action_group_add_actions(GtkActionGroup *,
                                         const  GtkActionEntry  *,
guint,
                                         gpointer);
extern GType gtk_separator_get_type(void);
extern void gtk_table_set_col_spacing(GtkTable *, guint, guint);
extern gboolean gtk_text_view_get_editable(GtkTextView *);
extern GdkWindow *gtk_widget_get_parent_window(GtkWidget *);
extern                                                      void
gtk_color_selection_get_current_color(GtkColorSelection *,
                                                   GdkColor *);
extern  void  gtk_about_dialog_set_website(GtkAboutDialog  *,  const
gchar *);
extern GType gtk_requisition_get_type(void);
extern void gtk_accelerator_parse(const gchar *, guint *,
                                  GdkModifierType *);
extern GtkShadowType gtk_frame_get_shadow_type(GtkFrame *);
extern gboolean gtk_tree_view_get_rules_hint(GtkTreeView *);
extern                                                      void
gtk_accelerator_set_default_mod_mask(GdkModifierType);
extern void gtk_window_set_keep_below(GtkWindow *, gboolean);
extern  gchar  *gtk_text_iter_get_visible_slice(const  GtkTextIter
*,
                                                const    GtkTextIter
*);
extern void gtk_drag_source_add_uri_targets(GtkWidget *);
extern  gboolean  gtk_font_selection_set_font_name(GtkFontSelection
*,
                                                   const gchar *);
extern       void       gtk_entry_set_completion(GtkEntry       *,
GtkEntryCompletion *);
extern gboolean gtk_action_group_get_sensitive(GtkActionGroup *);
extern       void       gtk_label_set_ellipsize(GtkLabel       *,
PangoEllipsizeMode);
extern GType gtk_arg_flags_get_type(void);
extern void gtk_rc_parse(const gchar *);
extern   gboolean   gtk_text_iter_has_tag(const   GtkTextIter   *,
GtkTextTag *);
extern                                                      void
gtk_file_selection_set_select_multiple(GtkFileSelection *,
                                                     gboolean);
extern GtkTreePath

*gtk_tree_model_filter_convert_child_path_to_path(GtkTreeModelFil
ter *,
                                                        GtkTreePath
*);
extern void gtk_fixed_put(GtkFixed *, GtkWidget *, gint, gint);
extern GtkSizeGroup *gtk_size_group_new(GtkSizeGroupMode);
```

```
extern void gtk_entry_completion_delete_action(GtkEntryCompletion
*, gint);
extern   void   gtk_paint_expander(GtkStyle   *,   GdkWindow   *,
GtkStateType,
                                GdkRectangle *, GtkWidget *, const
gchar *,
                                gint, gint, GtkExpanderStyle);
extern GtkTreePath *gtk_tree_path_new(void);
extern GType gtk_rc_token_type_get_type(void);
extern void gtk_accel_group_lock(GtkAccelGroup *);
extern gboolean gtk_tree_model_iter_has_child(GtkTreeModel *,
                                              GtkTreeIter *);
extern gboolean gtk_widget_activate(GtkWidget *);
extern void gtk_text_buffer_begin_user_action(GtkTextBuffer *);
extern void gtk_check_menu_item_toggled(GtkCheckMenuItem *);
extern gboolean gtk_rc_property_parse_color(const GParamSpec *,
                                            const    GString    *,
GValue *);
extern   void   gtk_menu_item_toggle_size_allocate(GtkMenuItem   *,
gint);
extern                                                        void
gtk_file_chooser_button_set_title(GtkFileChooserButton *,
                                              const gchar *);
extern   void   gtk_cell_renderer_stop_editing(GtkCellRenderer   *,
gboolean);
extern void gtk_widget_unrealize(GtkWidget *);
extern GType gtk_icon_theme_get_type(void);
extern GSList *gtk_file_chooser_get_filenames(GtkFileChooser *);
extern void gtk_box_pack_start_defaults(GtkBox *, GtkWidget *);
extern                                                  GParamSpec
*gtk_container_class_find_child_property(GObjectClass *,
                                                            const
gchar *);
extern guint gtk_table_get_default_col_spacing(GtkTable *);
extern  void  gtk_menu_shell_insert(GtkMenuShell  *,  GtkWidget  *,
gint);
extern GtkWidget *gtk_notebook_get_nth_page(GtkNotebook *, gint);
extern  void  gtk_text_buffer_get_iter_at_line_offset(GtkTextBuffer
*,
                                                      GtkTextIter
*, gint,
                                                      gint);
extern  GtkWidget  *gtk_combo_box_entry_new_with_model(GtkTreeModel
*, gint);
extern    void    gtk_handle_box_set_snap_edge(GtkHandleBox    *,
GtkPositionType);
extern void gtk_combo_box_set_active(GtkComboBox *, gint);
extern                                                        void
gtk_message_dialog_format_secondary_markup(GtkMessageDialog *,
                                                         const
gchar *, ...);
extern GType gtk_toolbar_get_type(void);
extern GType gtk_border_get_type(void);
extern    gboolean    gtk_bindings_activate_event(GtkObject    *,
GdkEventKey *);
extern                        const                        gchar
*gtk_font_selection_get_preview_text(GtkFontSelection
                                                          *);
extern GtkWidget *gtk_progress_bar_new(void);
extern const gchar

*gtk_font_selection_dialog_get_preview_text(GtkFontSelectionDialo
g *);
extern void gtk_curve_set_vector(GtkCurve *, int, gfloat *);
extern    void    gtk_tree_view_set_hadjustment(GtkTreeView    *,
GtkAdjustment *);
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```
extern gboolean gtk_toolbar_get_tooltips(GtkToolbar *);
extern    GtkWidget    *gtk_image_new_from_pixmap(GdkPixmap    *,
GdkBitmap *);
extern void gtk_file_chooser_select_all(GtkFileChooser *);
extern void gtk_tree_selection_unselect_iter(GtkTreeSelection *,
                                             GtkTreeIter *);
extern GType gtk_scroll_step_get_type(void);
extern GType gtk_identifier_get_type(void);
extern GtkWidget *gtk_font_button_new_with_font(const gchar *);
extern   void   gtk_combo_box_set_focus_on_click(GtkComboBox   *,
gboolean);
extern void gtk_icon_view_set_selection_mode(GtkIconView *,
                                             GtkSelectionMode);
extern void gtk_message_dialog_set_markup(GtkMessageDialog *,
                                          const gchar *);
extern gchar *gtk_file_chooser_get_uri(GtkFileChooser *);
extern GtkWidget *gtk_action_create_tool_item(GtkAction *);
extern void gtk_widget_unref(GtkWidget *);
extern gint gtk_widget_send_expose(GtkWidget *, GdkEvent *);
extern gchar *gtk_text_iter_get_text(const GtkTextIter *,
                                     const GtkTextIter *);
extern GType gtk_image_type_get_type(void);
extern                                                GtkWidget
*gtk_file_chooser_widget_new(GtkFileChooserAction);
extern gboolean
gtk_entry_completion_get_inline_completion(GtkEntryCompletion *);
extern GType gtk_response_type_get_type(void);
extern void gtk_widget_modify_text(GtkWidget *, GtkStateType,
                                   const GdkColor *);
extern       guint       gtk_rc_parse_priority(GScanner       *,
GtkPathPriorityType *);
extern GtkWidget *gtk_invisible_new(void);
extern   void   gtk_paint_handle(GtkStyle   *,   GdkWindow   *,
GtkStateType,
                              GtkShadowType,    GdkRectangle    *,
GtkWidget *,
                              const  gchar  *,  gint,  gint,  gint,
gint,
                              GtkOrientation);
extern                                                 gboolean
gtk_text_iter_backward_visible_cursor_positions(GtkTextIter

*, gint);
extern gboolean gtk_font_button_get_show_style(GtkFontButton *);
extern guint gtk_container_get_border_width(GtkContainer *);
extern GtkWidget *gtk_widget_get_parent(GtkWidget *);
extern void gtk_button_enter(GtkButton *);
extern    void    gtk_text_view_set_accepts_tab(GtkTextView    *,
gboolean);
extern   void   gtk_widget_set_redraw_on_allocate(GtkWidget   *,
gboolean);
extern GtkWidget *gtk_radio_menu_item_new_with_label(GSList *,
                                                     const   gchar
*);
extern                                                 gboolean
gtk_tree_view_column_get_reorderable(GtkTreeViewColumn *);
extern GType gtk_icon_view_get_type(void);
extern void gtk_entry_set_visibility(GtkEntry *, gboolean);
extern              const              gchar              *const
*gtk_about_dialog_get_documenters(GtkAboutDialog
                                                          *);
extern GtkWidget *gtk_vruler_new(void);
extern  void  gtk_widget_set_parent_window(GtkWidget  *,  GdkWindow
*);
extern GdkScreen *gtk_window_get_screen(GtkWindow *);
extern GType gtk_clipboard_get_type(void);
```

```
extern GType gtk_layout_get_type(void);
extern void gtk_tree_selection_unselect_path(GtkTreeSelection *,
                                             GtkTreePath *);
extern GdkScreen *gtk_invisible_get_screen(GtkInvisible *);
extern void gtk_paint_tab(GtkStyle *, GdkWindow *, GtkStateType,
                          GtkShadowType,      GdkRectangle      *,
GtkWidget *,
                          const gchar *, gint, gint, gint, gint);
extern   void   gtk_button_set_alignment(GtkButton   *,   gfloat,
gfloat);
extern                                                        void
gtk_file_chooser_button_set_width_chars(GtkFileChooserButton *,
                                                     gint);
extern                                                        void
gtk_action_group_add_radio_actions_full(GtkActionGroup *,
                                                     const

GtkRadioActionEntry *,
                                                     guint,   gint,
GCallback,
                                                     gpointer,

GDestroyNotify);
extern  void  gtk_alignment_set(GtkAlignment  *,  gfloat,  gfloat,
gfloat,
                                gfloat);
extern    void    gtk_container_set_resize_mode(GtkContainer    *,
GtkResizeMode);
extern void gtk_notebook_set_show_tabs(GtkNotebook *, gboolean);
extern GtkWidget *gtk_grab_get_current(void);
extern GType gtk_tooltips_get_type(void);
extern  GtkToolItem  *gtk_tool_button_new_from_stock(const  gchar
*);
extern  GtkWidget  *gtk_color_button_new_with_color(const  GdkColor
*);
extern     void     gtk_arrow_set(GtkArrow     *,     GtkArrowType,
GtkShadowType);
extern GtkTextTag *gtk_text_buffer_create_tag(GtkTextBuffer *,
                                              const    gchar    *,
const gchar *,
                                              ...);
extern void gtk_icon_view_selected_foreach(GtkIconView *,

GtkIconViewForeachFunc,
                                            gpointer);
extern     gboolean     gtk_icon_source_get_size_wildcarded(const
GtkIconSource *);
extern GQuark gtk_file_chooser_error_quark(void);
extern  gboolean  gtk_tooltips_get_info_from_tip_window(GtkWindow
*,
                                                        GtkTooltips
* *,
                                                        GtkWidget  *
*);
extern gboolean gtk_window_mnemonic_activate(GtkWindow *, guint,
                                             GdkModifierType);
extern GtkWidget *gtk_hseparator_new(void);
extern const gchar *gtk_progress_bar_get_text(GtkProgressBar *);
extern void gtk_window_remove_embedded_xid(GtkWindow *, guint);
extern GtkWidget *gtk_menu_item_new(void);
extern void gtk_window_set_has_frame(GtkWindow *, gboolean);
extern                                                        void
gtk_tree_model_filter_set_modify_func(GtkTreeModelFilter *,
                                                   gint, GType *,

GtkTreeModelFilterModifyFunc,
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```
                                                gpointer,

GtkDestroyNotify);
extern   gboolean   gtk_selection_convert(GtkWidget   *,   GdkAtom,
GdkAtom,
                                        guint32);
extern    void    gtk_text_buffer_get_end_iter(GtkTextBuffer    *,
GtkTextIter *);
extern GType gtk_hbox_get_type(void);
extern void gtk_widget_set_accel_path(GtkWidget *, const gchar *,
                                        GtkAccelGroup *);
extern void gtk_text_tag_set_priority(GtkTextTag *, gint);
extern void gtk_text_buffer_move_mark_by_name(GtkTextBuffer *,
                                                const gchar *,
                                                const    GtkTextIter
*);
extern void gtk_handle_box_set_handle_position(GtkHandleBox *,
                                                 GtkPositionType);
extern GtkWidget *gtk_cell_view_new_with_pixbuf(GdkPixbuf *);
extern void gtk_grab_remove(GtkWidget *);
extern void gtk_window_set_auto_startup_notification(gboolean);
extern GType gtk_orientation_get_type(void);
extern gint gtk_text_iter_get_line_index(const GtkTextIter *);
extern     void     gtk_text_buffer_get_bounds(GtkTextBuffer     *,
GtkTextIter *,
                                         GtkTextIter *);
extern gboolean gtk_widget_is_focus(GtkWidget *);
extern   gboolean   gtk_check_menu_item_get_active(GtkCheckMenuItem
*);
extern gint gtk_icon_view_get_item_width(GtkIconView *);
extern                                                    gboolean
gtk_check_menu_item_get_draw_as_radio(GtkCheckMenuItem *);
extern  GtkClipboard  *gtk_clipboard_get_for_display(GdkDisplay  *,
GdkAtom);
extern void gtk_tree_iter_free(GtkTreeIter *);
extern void gtk_widget_unmap(GtkWidget *);
extern   gboolean   gtk_cell_renderer_activate(GtkCellRenderer   *,
GdkEvent *,
                                            GtkWidget    *,    const
gchar *,
                                            GdkRectangle         *,
GdkRectangle *,
                                            GtkCellRendererState);
extern GType gtk_settings_get_type(void);
extern GType gtk_aspect_frame_get_type(void);
extern GtkBindingSet *gtk_binding_set_by_class(gpointer);
extern  void gtk_icon_source_set_pixbuf(GtkIconSource *, GdkPixbuf
*);
extern void gtk_main_do_event(GdkEvent *);
extern GtkWidget *gtk_check_button_new(void);
extern gboolean gtk_rc_reparse_all(void);
extern GtkTreeStore *gtk_tree_store_newv(gint, GType *);
extern   gboolean   gtk_text_view_place_cursor_onscreen(GtkTextView
*);
extern void gtk_box_set_spacing(GtkBox *, gint);
extern GType gtk_accel_map_get_type(void);
extern gboolean gtk_color_button_get_use_alpha(GtkColorButton *);
extern                                                    gboolean
gtk_text_iter_forward_visible_cursor_positions(GtkTextIter
                                                                  *,
gint);
extern  void  gtk_menu_item_set_accel_path(GtkMenuItem  *,  const
gchar *);
extern gchar *gtk_combo_box_get_active_text(GtkComboBox *);
extern gboolean gtk_icon_info_get_attach_points(GtkIconInfo *,
```

```
                                                GdkPoint    *    *,
gint *);
extern                                                          void
gtk_entry_completion_set_minimum_key_length(GtkEntryCompletion
                                                          *, gint);
extern void gtk_text_view_set_buffer(GtkTextView *, GtkTextBuffer
*);
extern void gtk_cell_layout_clear_attributes(GtkCellLayout *,
                                            GtkCellRenderer *);
extern void gtk_toolbar_set_show_arrow(GtkToolbar *, gboolean);
extern GtkWidget

*gtk_file_chooser_widget_new_with_backend(GtkFileChooserAction,
                                             const gchar *);
extern void gtk_text_buffer_insert_at_cursor(GtkTextBuffer *,
                                            const    gchar    *,
gint);
extern   void   gtk_tool_item_set_visible_vertical(GtkToolItem   *,
gboolean);
extern void
gtk_cell_renderer_text_set_fixed_height_from_font(GtkCellRenderer
Text *,
                                                  gint);
extern gboolean gtk_window_get_skip_pager_hint(GtkWindow *);
extern GType gtk_gamma_curve_get_type(void);
extern void
gtk_tree_model_filter_convert_child_iter_to_iter(GtkTreeModelFilt
er *,
                                                GtkTreeIter *,
                                                GtkTreeIter *);
extern void gtk_text_buffer_remove_tag_by_name(GtkTextBuffer *,
                                             const gchar *,
                                             const   GtkTextIter
*,
                                             const   GtkTextIter
*);
extern gboolean gtk_file_chooser_set_filename(GtkFileChooser *,
                                             const gchar *);
extern void gtk_about_dialog_set_logo_icon_name(GtkAboutDialog *,
                                              const gchar *);
extern GdkPixbuf *gtk_image_get_pixbuf(GtkImage *);
extern GtkWidget *gtk_action_create_menu_item(GtkAction *);
extern GtkJustification gtk_label_get_justify(GtkLabel *);
extern void gtk_file_filter_set_name(GtkFileFilter *, const gchar
*);
extern gboolean gtk_text_iter_forward_char(GtkTextIter *);
extern GtkWidget *gtk_radio_menu_item_new(GSList *);
extern                                                          void
gtk_action_group_add_toggle_actions_full(GtkActionGroup *,
                                                     const

GtkToggleActionEntry
                                                     *,     guint,
gpointer,

GDestroyNotify);
extern gboolean gtk_text_iter_is_start(const GtkTextIter *);
extern  void  gtk_cell_renderer_set_fixed_size(GtkCellRenderer  *,
gint,
                                            gint);
extern void gtk_rc_set_default_files(gchar * *);
extern   void   gtk_tool_item_set_proxy_menu_item(GtkToolItem   *,
const gchar *,
                                             GtkWidget *);
extern    void    gtk_paint_check(GtkStyle    *,    GdkWindow    *,
GtkStateType,
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```
                              GtkShadowType,     GdkRectangle     *,
GtkWidget *,
                              const  gchar  *,  gint,  gint,  gint,
gint);
extern void gtk_scrolled_window_set_policy(GtkScrolledWindow *,
                                           GtkPolicyType,
GtkPolicyType);
extern GtkEntryCompletion *gtk_entry_completion_new(void);
extern guint gtk_rc_parse_state(GScanner *, GtkStateType *);
extern gint gtk_tree_view_get_search_column(GtkTreeView *);
extern void gtk_ui_manager_remove_action_group(GtkUIManager *,
                                               GtkActionGroup *);
extern PangoEllipsizeMode gtk_label_get_ellipsize(GtkLabel *);
extern                                                    gboolean
gtk_file_chooser_get_preview_widget_active(GtkFileChooser
                                                           *);
extern gboolean gtk_button_get_use_underline(GtkButton *);
extern    void    gtk_entry_set_activates_default(GtkEntry    *,
gboolean);
extern GtkStyle *gtk_rc_get_style(GtkWidget *);
extern                                          GtkTreeViewColumn
*gtk_tree_view_column_new_with_attributes(const

gchar *,

GtkCellRenderer

*, ...);
extern gchar *gtk_file_chooser_get_filename(GtkFileChooser *);
extern GType gtk_font_button_get_type(void);
extern                                                GtkAdjustment
*gtk_spin_button_get_adjustment(GtkSpinButton *);
extern                                                         void
gtk_dialog_set_alternative_button_order_from_array(GtkDialog *,

gint,

gint *);
extern void gtk_window_set_icon_name(GtkWindow *, const gchar *);
extern void gtk_ruler_get_range(GtkRuler *, gdouble *, gdouble *,
                                gdouble *, gdouble *);
extern   void   gtk_action_group_remove_action(GtkActionGroup   *,
GtkAction *);
extern const char *gtk_text_mark_get_name(GtkTextMark *);
extern  gboolean  gtk_tool_button_get_use_underline(GtkToolButton
*);
extern gboolean gtk_clipboard_wait_is_text_available(GtkClipboard
*);
extern void gtk_label_set_single_line_mode(GtkLabel *, gboolean);
extern void gtk_label_set_width_chars(GtkLabel *, gint);
extern GType gtk_file_chooser_button_get_type(void);
extern void gtk_scrolled_window_set_hadjustment(GtkScrolledWindow
*,
                                                GtkAdjustment *);
extern void gtk_accel_map_lock_path(const gchar *);
extern  void  gtk_tree_sortable_set_sort_func(GtkTreeSortable  *,
gint,

GtkTreeIterCompareFunc,
                                            gpointer,
GtkDestroyNotify);
extern gboolean gtk_icon_size_lookup_for_settings(GtkSettings *,
                                                  GtkIconSize,
gint *,
                                                  gint *);
```

```
extern void gtk_tree_model_unref_node(GtkTreeModel *, GtkTreeIter
*);
extern GtkWidget *gtk_menu_get_active(GtkMenu *);
extern GtkTextChildAnchor
    *gtk_text_buffer_create_child_anchor(GtkTextBuffer          *,
GtkTextIter *);
extern void gtk_file_chooser_set_extra_widget(GtkFileChooser *,
                                              GtkWidget *);
extern GtkWidget *gtk_image_new_from_image(GdkImage *, GdkBitmap
*);
extern GType gtk_fixed_get_type(void);
extern GtkWidget *gtk_scrolled_window_new(GtkAdjustment *,
                                          GtkAdjustment *);
extern void gtk_about_dialog_set_copyright(GtkAboutDialog *,
                                           const gchar *);
extern void gtk_target_list_add(GtkTargetList *, GdkAtom, guint,
guint);
extern GList *gtk_tree_view_get_columns(GtkTreeView *);
extern GtkIconSource *gtk_icon_source_new(void);
extern void gtk_check_menu_item_set_active(GtkCheckMenuItem *,
gboolean);
extern gboolean gtk_text_iter_forward_sentence_ends(GtkTextIter
*, gint);
extern GdkScreen *gtk_widget_get_screen(GtkWidget *);
extern GtkWidget *gtk_expander_new(const gchar *);
extern GtkWidget *gtk_spin_button_new(GtkAdjustment *, gdouble,
guint);
extern void gtk_window_fullscreen(GtkWindow *);
extern void gtk_toolbar_set_tooltips(GtkToolbar *, gboolean);
extern void gtk_file_chooser_set_preview_widget(GtkFileChooser *,
                                                GtkWidget *);
extern gboolean gtk_accel_group_activate(GtkAccelGroup *, GQuark,
                                         GObject *, guint,
                                         GdkModifierType);
extern                                                  gboolean
gtk_tree_drag_source_drag_data_get(GtkTreeDragSource *,
                                                   GtkTreePath *,

GtkSelectionData *);
extern GtkTextDirection gtk_widget_get_direction(GtkWidget *);
extern gboolean gtk_text_iter_get_attributes(const GtkTextIter *,
                                             GtkTextAttributes
*);
extern gboolean gtk_editable_get_editable(GtkEditable *);
extern void gtk_widget_set_events(GtkWidget *, gint);
extern void gtk_paned_pack1(GtkPaned *, GtkWidget *, gboolean,
gboolean);
extern GType gtk_state_type_get_type(void);
extern gboolean gtk_text_iter_editable(const GtkTextIter *,
gboolean);
extern gboolean gtk_tree_model_get_iter_from_string(GtkTreeModel
*,
                                                    GtkTreeIter
*,
                                                    const    gchar
*);
extern gboolean gtk_container_get_focus_chain(GtkContainer *,
GList * *);
extern void gtk_icon_view_set_margin(GtkIconView *, gint);
extern void gtk_tree_selection_unselect_range(GtkTreeSelection *,
                                              GtkTreePath *,
                                              GtkTreePath *);
extern gboolean gtk_widget_get_no_show_all(GtkWidget *);
extern GList *gtk_cell_view_get_cell_renderers(GtkCellView *);
extern gboolean gtk_clipboard_set_with_owner(GtkClipboard *,
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```
                                                const  GtkTargetEntry
*, guint,
                                                GtkClipboardGetFunc,

GtkClipboardClearFunc,
                                                GObject *);
extern void gtk_tree_store_clear(GtkTreeStore *);
extern GType gtk_vscrollbar_get_type(void);
extern GType gtk_curve_type_get_type(void);
extern gboolean gtk_entry_get_has_frame(GtkEntry *);
extern GType gtk_dest_defaults_get_type(void);
extern GType gtk_window_position_get_type(void);
extern void gtk_tree_model_get_valist(GtkTreeModel *, GtkTreeIter
*,
                                        va_list);
extern GtkWidget *gtk_expander_new_with_mnemonic(const gchar *);
extern    void    gtk_viewport_set_shadow_type(GtkViewport    *,
GtkShadowType);
extern                                                          gint
gtk_tree_view_insert_column_with_attributes(GtkTreeView *,
                                                            gint,
                                                            const
gchar *,

GtkCellRenderer *,
                                                            ...);
extern                                                         GSList
*gtk_file_chooser_list_shortcut_folders(GtkFileChooser *);
extern GType gtk_drawing_area_get_type(void);
extern GtkOrientation gtk_toolbar_get_orientation(GtkToolbar *);
extern      void      gtk_tree_model_foreach(GtkTreeModel      *,
GtkTreeModelForeachFunc,
                                    gpointer);
extern gboolean
gtk_color_selection_get_has_opacity_control(GtkColorSelection *);
extern                                                        gboolean
gtk_tree_drag_dest_drag_data_received(GtkTreeDragDest *,
                                                           GtkTreePath
*,

GtkSelectionData *);
extern gboolean gtk_window_set_icon_from_file(GtkWindow *, const
gchar *,
                                                GError * *);
extern void gtk_window_set_focus(GtkWindow *, GtkWidget *);
extern void gtk_button_set_use_stock(GtkButton *, gboolean);
extern   void   gtk_paint_arrow(GtkStyle   *,   GdkWindow   *,
GtkStateType,
                            GtkShadowType,    GdkRectangle    *,
GtkWidget *,
                            const    gchar    *,    GtkArrowType,
gboolean, gint,
                            gint, gint, gint);
extern GtkWidget *gtk_hpaned_new(void);
extern void gtk_calendar_select_day(GtkCalendar *, guint);
extern void gtk_settings_set_property_value(GtkSettings *, const
gchar *,
                                              const
GtkSettingsValue *);
extern  void  gtk_toolbar_insert(GtkToolbar  *,  GtkToolItem  *,
gint);
extern  void  gtk_im_context_get_preedit_string(GtkIMContext  *,
gchar * *,
                                                PangoAttrList  *  *,
gint *);
```

```
extern   void   gtk_event_box_set_visible_window(GtkEventBox   *,
gboolean);
extern GType gtk_menu_item_get_type(void);
extern  gboolean  gtk_text_buffer_delete_interactive(GtkTextBuffer
*,
                                                     GtkTextIter *,
                                                     GtkTextIter *,
                                                     gboolean);
extern void gtk_range_set_inverted(GtkRange *, gboolean);
extern void gtk_selection_add_targets(GtkWidget *, GdkAtom,
                                      const   GtkTargetEntry   *,
guint);
extern gchar *gtk_rc_get_theme_dir(void);
extern const gchar *gtk_action_get_name(GtkAction *);
extern gint gtk_tree_store_iter_depth(GtkTreeStore *, GtkTreeIter
*);
extern void gtk_icon_view_set_markup_column(GtkIconView *, gint);
extern void gtk_scale_get_layout_offsets(GtkScale *, gint *, gint
*);
extern GType gtk_bin_get_type(void);
extern long unsigned int gtk_object_get_type(void);
extern void gtk_tree_store_prepend(GtkTreeStore *, GtkTreeIter *,
                                   GtkTreeIter *);
extern    void    gtk_list_store_insert_after(GtkListStore    *,
GtkTreeIter *,
                                        GtkTreeIter *);
extern void gtk_im_context_focus_out(GtkIMContext *);
extern GtkBindingSet *gtk_binding_set_find(const gchar *);
extern                         const                      gchar
*gtk_action_group_translate_string(GtkActionGroup *,
                                                      const  gchar
*);
extern gboolean gtk_window_get_decorated(GtkWindow *);
extern gboolean gtk_range_get_inverted(GtkRange *);
extern void gtk_widget_child_notify(GtkWidget *, const gchar *);
extern void gtk_text_view_set_right_margin(GtkTextView *, gint);
extern guint gtk_table_get_row_spacing(GtkTable *, guint);
extern GtkAction *gtk_action_new(const gchar *, const gchar *,
                                 const gchar *, const gchar *);
extern   void   gtk_container_child_set_property(GtkContainer   *,
GtkWidget *,
                                            const gchar *,
                                            const GValue *);
extern void
gtk_tree_model_filter_convert_iter_to_child_iter(GtkTreeModelFilt
er *,
                                                GtkTreeIter *,
                                                GtkTreeIter *);
extern void gtk_widget_reset_shapes(GtkWidget *);
extern                                          GtkTextWindowType
gtk_text_view_get_window_type(GtkTextView *,
                                                       GdkWindow
*);
extern void gtk_text_view_set_editable(GtkTextView *, gboolean);
extern gint gtk_text_iter_get_offset(const GtkTextIter *);
extern GType gtk_plug_get_type(void);
extern   void   gtk_im_context_set_client_window(GtkIMContext   *,
GdkWindow *);
extern void gtk_image_set_from_icon_name(GtkImage *, const gchar
*,
                                         GtkIconSize);
extern gboolean gtk_text_iter_forward_search(const GtkTextIter *,
                                            const gchar *,
                                            GtkTextSearchFlags,
                                            GtkTextIter        *,
GtkTextIter *,
```

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```
                                                const     GtkTextIter
*);
extern  void  gtk_tree_view_set_fixed_height_mode(GtkTreeView  *,
gboolean);
extern GList *gtk_icon_view_get_selected_items(GtkIconView *);
extern void gtk_widget_hide_all(GtkWidget *);
extern void gtk_about_dialog_set_artists(GtkAboutDialog *,
                                          const gchar * *);
extern   void   gtk_target_list_add_uri_targets(GtkTargetList   *,
guint);
extern GType gtk_scale_get_type(void);
extern gint gtk_text_tag_get_priority(GtkTextTag *);
extern void gtk_tree_selection_set_mode(GtkTreeSelection *,
                                         GtkSelectionMode);
extern GType gtk_text_direction_get_type(void);
extern GType gtk_accessible_get_type(void);
extern void gtk_window_get_frame_dimensions(GtkWindow *, gint *,
gint *,
                                             gint *, gint *);
extern GType gtk_tool_button_get_type(void);
extern                                                  gboolean
gtk_text_iter_backward_visible_word_starts(GtkTextIter *,
                                                          gint);
extern   void   gtk_container_add_with_properties(GtkContainer   *,
GtkWidget *,
                                                 const    gchar    *,
...);
extern  void  gtk_spin_button_set_snap_to_ticks(GtkSpinButton  *,
gboolean);
extern GtkClipboard *gtk_clipboard_get(GdkAtom);
extern GtkWrapMode gtk_text_view_get_wrap_mode(GtkTextView *);
extern GType gtk_menu_tool_button_get_type(void);
extern                        const                        gchar
*gtk_tree_view_column_get_title(GtkTreeViewColumn *);
extern GType gtk_window_type_get_type(void);
extern void gtk_widget_reset_rc_styles(GtkWidget *);
extern GList *gtk_action_group_list_actions(GtkActionGroup *);
extern  void  gtk_list_store_prepend(GtkListStore  *,  GtkTreeIter
*);
extern GType gtk_hscale_get_type(void);
extern     void     gtk_binding_set_add_path(GtkBindingSet     *,
GtkPathType,
                                      const        gchar        *,
GtkPathPriorityType);
extern   void   gtk_paint_diamond(GtkStyle   *,   GdkWindow   *,
GtkStateType,
                             GtkShadowType,    GdkRectangle    *,
GtkWidget *,
                             const  gchar  *,  gint,  gint,  gint,
gint);
extern  void  gtk_tool_item_set_visible_horizontal(GtkToolItem  *,
gboolean);
extern GType gtk_object_flags_get_type(void);
extern  const  gchar  *gtk_about_dialog_get_website(GtkAboutDialog
*);
extern GtkBorder *gtk_border_copy(const GtkBorder *);
extern gboolean gtk_spin_button_get_numeric(GtkSpinButton *);
extern gint gtk_label_get_max_width_chars(GtkLabel *);
extern gboolean gtk_tree_view_get_hover_selection(GtkTreeView *);
extern GType gtk_dialog_flags_get_type(void);
extern GType gtk_cell_view_get_type(void);
extern  GtkWidget  *gtk_image_menu_item_new_from_stock(const  gchar
*,

GtkAccelGroup *);
extern void gtk_icon_view_set_spacing(GtkIconView *, gint);
```

```
extern void gtk_paint_box(GtkStyle *, GdkWindow *, GtkStateType,
                          GtkShadowType,      GdkRectangle      *,
GtkWidget *,
                          const gchar *, gint, gint, gint, gint);
extern                                                        void
gtk_entry_completion_set_popup_completion(GtkEntryCompletion *,
                                                        gboolean);
extern     void     gtk_toolbar_set_orientation(GtkToolbar     *,
GtkOrientation);
extern    void    gtk_drag_source_set_target_list(GtkWidget    *,
GtkTargetList *);
extern void gtk_settings_install_property_parser(GParamSpec *,

GtkRcPropertyParser);
extern  void  gtk_file_chooser_set_show_hidden(GtkFileChooser  *,
gboolean);
extern gboolean gtk_icon_source_get_direction_wildcarded(const

GtkIconSource *);
extern     void     gtk_spin_button_configure(GtkSpinButton     *,
GtkAdjustment *,
                                     gdouble, guint);
extern void gtk_notebook_next_page(GtkNotebook *);
extern   void   gtk_icon_view_set_column_spacing(GtkIconView   *,
gint);
extern GSList *gtk_file_chooser_list_filters(GtkFileChooser *);
extern void gtk_fixed_move(GtkFixed *, GtkWidget *, gint, gint);
extern GtkAccelMap *gtk_accel_map_get(void);
extern GType gtk_vscale_get_type(void);
extern void gtk_about_dialog_set_logo(GtkAboutDialog *, GdkPixbuf
*);
extern gint gtk_text_iter_get_line(const GtkTextIter *);
extern  GtkToolItem  *gtk_toggle_tool_button_new_from_stock(const
gchar *);
extern gboolean gtk_tree_model_get_iter_first(GtkTreeModel *,
                                              GtkTreeIter *);
extern PangoAttrList *gtk_label_get_attributes(GtkLabel *);
extern  GtkWidget  *gtk_image_new_from_icon_name(const  gchar  *,
GtkIconSize);
extern AtkObject *gtk_widget_get_accessible(GtkWidget *);
extern GType gtk_metric_type_get_type(void);
extern  GtkToolItem  *gtk_menu_tool_button_new(GtkWidget  *,  const
gchar *);
extern void gtk_scale_set_digits(GtkScale *, gint);
extern void gtk_label_set_text(GtkLabel *, const gchar *);
extern   GtkWidget   *gtk_notebook_get_menu_label(GtkNotebook   *,
GtkWidget *);
extern GtkIMContext *gtk_im_context_simple_new(void);
extern GtkIconSet *gtk_icon_set_copy(GtkIconSet *);
extern GtkRcStyle *gtk_rc_style_copy(GtkRcStyle *);
extern    void    gtk_text_buffer_remove_tag(GtkTextBuffer    *,
GtkTextTag *,
                                      const GtkTextIter *,
                                      const GtkTextIter *);
extern GType gtk_tree_view_drop_position_get_type(void);
extern GType gtk_match_type_get_type(void);
extern GType gtk_toolbar_space_style_get_type(void);
extern                                          GtkAdjustment
*gtk_container_get_focus_vadjustment(GtkContainer *);
extern   gboolean   gtk_widget_translate_coordinates(GtkWidget   *,
GtkWidget *,
                                                gint,  gint,  gint
*,
                                                gint *);
extern void gtk_label_set_label(GtkLabel *, const gchar *);
extern void gtk_entry_set_alignment(GtkEntry *, gfloat);
```

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```
extern  GtkTextChildAnchor  *gtk_text_iter_get_child_anchor(const
GtkTextIter
                                                            *);
extern void gtk_tree_view_unset_rows_drag_dest(GtkTreeView *);
extern GdkVisual *gtk_widget_get_default_visual(void);
extern void gtk_drag_dest_set_proxy(GtkWidget *, GdkWindow *,
                                    GdkDragProtocol, gboolean);
extern void gtk_entry_set_max_length(GtkEntry *, gint);
extern GType gtk_vseparator_get_type(void);
extern    void    gtk_tree_view_set_vadjustment(GtkTreeView    *,
GtkAdjustment *);
extern GtkSelectionData *gtk_selection_data_copy(GtkSelectionData
*);
extern void gtk_list_store_reorder(GtkListStore *, gint *);
extern void gtk_accel_map_load_scanner(GScanner *);
extern    void    gtk_tree_view_set_hover_expand(GtkTreeView    *,
gboolean);
extern void gtk_table_set_col_spacings(GtkTable *, guint);
extern  void  gtk_widget_queue_draw_area(GtkWidget  *,  gint,  gint,
gint,
                                         gint);
extern GtkTreeModel *gtk_icon_view_get_model(GtkIconView *);
extern    void    gtk_tree_view_set_reorderable(GtkTreeView    *,
gboolean);
extern GtkTextMark *gtk_text_buffer_get_insert(GtkTextBuffer *);
extern const gchar *gtk_action_get_accel_path(GtkAction *);
extern GtkWidget *gtk_entry_new(void);
extern    void    gtk_tree_view_expand_to_path(GtkTreeView    *,
GtkTreePath *);
extern   void   gtk_paint_polygon(GtkStyle   *,   GdkWindow   *,
GtkStateType,
                              GtkShadowType,    GdkRectangle    *,
GtkWidget *,
                              const  gchar  *,  GdkPoint  *,  gint,
gboolean);
extern gboolean gtk_init_check(int *, char ***);
extern   gboolean   gtk_tool_item_get_visible_vertical(GtkToolItem
*);
extern      gint      gtk_text_iter_get_visible_line_offset(const
GtkTextIter *);
extern  gboolean  gtk_spin_button_get_snap_to_ticks(GtkSpinButton
*);
extern gboolean gtk_text_iter_forward_line(GtkTextIter *);
extern GType gtk_tree_view_column_get_type(void);
extern GType gtk_direction_type_get_type(void);
extern   void   gtk_tree_view_set_hover_selection(GtkTreeView   *,
gboolean);
extern void gtk_tree_view_set_expander_column(GtkTreeView *,
                                              GtkTreeViewColumn
*);
extern GType gtk_cell_renderer_combo_get_type(void);
extern void gtk_toggle_button_set_inconsistent(GtkToggleButton *,
                                               gboolean);
extern GtkWidget *gtk_menu_get_attach_widget(GtkMenu *);
extern   gboolean   gtk_tree_model_iter_children(GtkTreeModel   *,
GtkTreeIter *,
                                                 GtkTreeIter *);
extern GdkPixbuf *gtk_window_get_icon(GtkWindow *);
extern GdkDragContext *gtk_drag_begin(GtkWidget *, GtkTargetList
*,
                                      GdkDragAction,         gint,
GdkEvent *);
extern void gtk_init(int *, char ***);
extern     gchar     *gtk_color_selection_palette_to_string(const
GdkColor *,
                                                        gint);
```

```
extern    void    gtk_container_child_set_valist(GtkContainer    *,
GtkWidget *,
                                        const     gchar     *,
va_list);
extern    void    gtk_paint_focus(GtkStyle    *,    GdkWindow    *,
GtkStateType,
                            GdkRectangle  *,  GtkWidget  *,  const
gchar *,
                            gint, gint, gint, gint);
extern GtkUpdateType gtk_range_get_update_policy(GtkRange *);
```

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VIII Qt3 Library

13 Library

13.1 Introduction

An conforming implementation shall support the following Qt library which provide interfaces for creating rich user applications, either graphical or console.

qt-mt

A general-purpose application development library. Proviedes a GUI-independent layer of tool classes, network support, SQL database support, XML handling and a GUI layer featuring a device-independent drawing API for printing, screen output and OpenGL support.

There are three main parts to the definition of each of this library.

The "Interfaces" section defines the required library name and version, and the required public symbols (interfaces and global data), as well as symbol versions, if any.

The "Interface Definitions" section provides complete or partial definitions of certain interfaces where either this specification is the source specification, or where there are variations from the source specification. If an interface definition requires one or more header files, one of those headers shall include the function prototype for the interface.

For source definitions of interfaces which include a reference to a header file, the contents of such header files form a part of the specification. The "Data Definitions" section provides the binary-level details for the header files from the source specifications, such as values for macros and enumerated types, as well as structure layouts, sizes and padding, etc. These data definitions, although presented in the form of header files for convenience, should not be taken a representing complete header files, as they are a supplement to the source specifications. Application developers should follow the guidelines of the source specifications when determining which header files need to be included to completely resolve all references.

Note: While the Data Definitions supplement the source specifications, this specification itself does not require conforming implementations to supply any header files.

13.2 Interfaces for libqt-mt

Table 13-1 defines the library name and shared object name for the libqt-mt library

Table 13-1 libqt-mt Definition

Library:	libqt-mt
SONAME:	libqt-mt.so.3

The behavior of the interfaces in this library is specified by the following specifications:

[qt-mt] Qt 3.3.6

13.2.1 Qt

13.2.1.1 Class data for QUtf8Codec

The virtual table for the QUtf8Codec class is described by Table 13-2

Table 13-2 Primary vtable for QUtf8Codec

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QUtf8Codec
vfunc[0]:	QUtf8Codec::~QUtf8Codec()
vfunc[1]:	QUtf8Codec::~QUtf8Codec()
vfunc[2]:	QUtf8Codec::name() const
vfunc[3]:	QTextCodec::mimeName() const
vfunc[4]:	QUtf8Codec::mibEnum() const
vfunc[5]:	QUtf8Codec::makeDecoder() const
vfunc[6]:	QTextCodec::makeEncoder() const
vfunc[7]:	QUtf8Codec::toUnicode(char const*, int) const
vfunc[8]:	QUtf8Codec::fromUnicode(QString const&, int&) const
vfunc[9]:	QTextCodec::canEncode(QChar) const
vfunc[10]:	QTextCodec::canEncode(QString const&) const
vfunc[11]:	QUtf8Codec::heuristicContentMatch(char const*, int) const
vfunc[12]:	QTextCodec::heuristicNameMatch(char const*) const
vfunc[13]:	QTextCodec::fromUnicode(QString const&, int, int) const
vfunc[14]:	QTextCodec::characterFromUnicode(QString const&, int) const

The Run Time Type Information for the QUtf8Codec class is described by Table 13-3

Table 13-3 typeinfo for QUtf8Codec

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QUtf8Codec
basetype:	typeinfo for QTextCodec

13.2.1.2 Class data for QTimer

The virtual table for the QTimer class is described by Table 13-4

Table 13-4 Primary vtable for QTimer

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTimer
vfunc[0]:	QTimer::metaObject() const
vfunc[1]:	QTimer::className() const
vfunc[2]:	QTimer::qt_cast(char const*)
vfunc[3]:	QTimer::qt_invoke(int, QUObject*)
vfunc[4]:	QTimer::qt_emit(int, QUObject*)
vfunc[5]:	QTimer::qt_property(int, int, QVariant*)
vfunc[6]:	QTimer::~QTimer()
vfunc[7]:	QTimer::~QTimer()
vfunc[8]:	QTimer::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

The Run Time Type Information for the QTimer class is described by Table 13-5

Table 13-5 typeinfo for QTimer

Base Vtable	vtable for

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	__cxxabiv1::__si_class_type_info
Name	typeinfo name for QTimer
basetype:	typeinfo for QObject

13.2.1.3 Class data for QXmlEntityResolver

The virtual table for the QXmlEntityResolver class is described by Table 13-6

Table 13-6 Primary vtable for QXmlEntityResolver

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QXmlEntityResolver
vfunc[0]:	__cxa_pure_virtual
vfunc[1]:	__cxa_pure_virtual

The Run Time Type Information for the QXmlEntityResolver class is described by Table 13-7

Table 13-7 typeinfo for QXmlEntityResolver

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QXmlEntityResolver

13.2.1.4 Class data for QObjectCleanupHandler

The virtual table for the QObjectCleanupHandler class is described by Table 13-8

Table 13-8 Primary vtable for QObjectCleanupHandler

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QObjectCleanupHandler
vfunc[0]:	QObjectCleanupHandler::metaObject () const
vfunc[1]:	QObjectCleanupHandler::className () const
vfunc[2]:	QObjectCleanupHandler::qt_cast(char const*)
vfunc[3]:	QObjectCleanupHandler::qt_invoke(int, QUObject*)
vfunc[4]:	QObjectCleanupHandler::qt_emit(int, QUObject*)
vfunc[5]:	QObjectCleanupHandler::qt_property(int, int, QVariant*)

vfunc[6]:	QObjectCleanupHandler::~QObjectCleanupHandler()
vfunc[7]:	QObjectCleanupHandler::~QObjectCleanupHandler()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

The Run Time Type Information for the QObjectCleanupHandler class is described by Table 13-9

Table 13-9 typeinfo for QObjectCleanupHandler

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QObjectCleanupHandler
basetype:	typeinfo for QObject

13.2.1.5 Class data for QPtrCollection

The virtual table for the QPtrCollection class is described by Table 13-10

Table 13-10 Primary vtable for QPtrCollection

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QPtrCollection
vfunc[0]:	__cxa_pure_virtual

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vfunc[1]:	__cxa_pure_virtual
vfunc[2]:	QPtrCollection::~QPtrCollection()
vfunc[3]:	QPtrCollection::~QPtrCollection()
vfunc[4]:	QPtrCollection::newItem(void*)
vfunc[5]:	__cxa_pure_virtual

The Run Time Type Information for the QPtrCollection class is described by Table 13-11

Table 13-11 typeinfo for QPtrCollection

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QPtrCollection

13.2.1.6 Class data for QHBox

The virtual table for the QHBox class is described by Table 13-12

Table 13-12 Primary vtable for QHBox

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QHBox
vfunc[0]:	QHBox::metaObject() const
vfunc[1]:	QHBox::className() const
vfunc[2]:	QHBox::qt_cast(char const*)
vfunc[3]:	QHBox::qt_invoke(int, QUObject*)
vfunc[4]:	QHBox::qt_emit(int, QUObject*)
vfunc[5]:	QHBox::qt_property(int, int, QVariant*)
vfunc[6]:	QHBox::~QHBox()
vfunc[7]:	QHBox::~QHBox()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const

vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)

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vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QHBox::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)

vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QFrame::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()

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vfunc[97]:	QFrame::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QFrame::drawContents(QPainter*)
vfunc[117]:	QHBox::frameChanged()

The Run Time Type Information for the QHBox class is described by Table 13-13

Table 13-13 typeinfo for QHBox

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QHBox
basetype:	typeinfo for QFrame

13.2.1.7 Class data for QGVector

The virtual table for the QGVector class is described by Table 13-14

Table 13-14 Primary vtable for QGVector

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QGVector
vfunc[0]:	QGVector::count() const
vfunc[1]:	QGVector::clear()
vfunc[2]:	QGVector::~QGVector()
vfunc[3]:	QGVector::~QGVector()
vfunc[4]:	QPtrCollection::newItem(void*)
vfunc[5]:	__cxa_pure_virtual
vfunc[6]:	QGVector::compareItems(void*, void*)
vfunc[7]:	QGVector::read(QDataStream&, void*&)
vfunc[8]:	QGVector::write(QDataStream&, void*) const

The Run Time Type Information for the QGVector class is described by Table 13-15

Table 13-15 typeinfo for QGVector

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QGVector
basetype:	typeinfo for QPtrCollection

13.2.1.8 Class data for QToolBar

The virtual table for the QToolBar class is described by Table 13-16

Table 13-16 Primary vtable for QToolBar

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QToolBar
vfunc[0]:	QToolBar::metaObject() const
vfunc[1]:	QToolBar::className() const
vfunc[2]:	QToolBar::qt_cast(char const*)
vfunc[3]:	QToolBar::qt_invoke(int, QUObject*)
vfunc[4]:	QToolBar::qt_emit(int, QUObject*)
vfunc[5]:	QToolBar::qt_property(int, int, QVariant*)

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vfunc[6]:	QToolBar::~QToolBar()
vfunc[7]:	QToolBar::~QToolBar()
vfunc[8]:	QToolBar::event(QEvent*)
vfunc[9]:	QDockWindow::eventFilter(QObject* , QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QToolBar::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColo r(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixm ap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)

vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPi xmap const&)
vfunc[38]:	QDockWindow::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::F ocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QToolBar::show()
vfunc[48]:	QToolBar::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QDockWindow::sizeHint() const
vfunc[59]:	QToolBar::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const

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vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QToolBar::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QDockWindow::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)

vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QDockWindow::showEvent(QShowEvent*)
vfunc[94]:	QDockWindow::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QToolBar::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)

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vfunc[115]:	QDockWindow::drawFrame(QPainter*)
vfunc[116]:	QDockWindow::drawContents(QPainter*)
vfunc[117]:	QFrame::frameChanged()
vfunc[118]:	QDockWindow::setWidget(QWidget*)
vfunc[119]:	QDockWindow::setCloseMode(int)
vfunc[120]:	QDockWindow::setResizeEnabled(bool)
vfunc[121]:	QDockWindow::setMovingEnabled(bool)
vfunc[122]:	QDockWindow::setHorizontallyStretchable(bool)
vfunc[123]:	QDockWindow::setVerticallyStretchable(bool)
vfunc[124]:	QDockWindow::setOffset(int)
vfunc[125]:	QDockWindow::setFixedExtentWidth(int)
vfunc[126]:	QDockWindow::setFixedExtentHeight(int)
vfunc[127]:	QDockWindow::setNewLine(bool)
vfunc[128]:	QDockWindow::setOpaqueMoving(bool)
vfunc[129]:	QDockWindow::undock(QWidget*)
vfunc[130]:	QDockWindow::undock()
vfunc[131]:	QDockWindow::dock()
vfunc[132]:	QToolBar::setOrientation(Qt::Orientation)
vfunc[133]:	QToolBar::setStretchableWidget(QWidget*)
vfunc[134]:	QToolBar::setLabel(QString const&)
vfunc[135]:	QToolBar::clear()

The Run Time Type Information for the QToolBar class is described by Table 13-17

Table 13-17 typeinfo for QToolBar

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QToolBar

basetype:	typeinfo for QDockWindow

13.2.1.9 Class data for QDataSource

The virtual table for the QDataSource class is described by Table 13-18

Table 13-18 Primary vtable for QDataSource

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDataSource
vfunc[0]:	QDataSource::~QDataSource()
vfunc[1]:	QDataSource::~QDataSource()
vfunc[2]:	__cxa_pure_virtual
vfunc[3]:	__cxa_pure_virtual
vfunc[4]:	QDataSource::rewindable() const
vfunc[5]:	QDataSource::enableRewind(bool)
vfunc[6]:	QDataSource::rewind()

The Run Time Type Information for the QDataSource class is described by Table 13-19

Table 13-19 typeinfo for QDataSource

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDataSource
basetype:	typeinfo for QAsyncIO

13.2.1.10 Class data for QCanvasItem

The virtual table for the QCanvasItem class is described by Table 13-20

Table 13-20 Primary vtable for QCanvasItem

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QCanvasItem
vfunc[0]:	QCanvasItem::~QCanvasItem()
vfunc[1]:	QCanvasItem::~QCanvasItem()
vfunc[2]:	QCanvasItem::moveBy(double, double)
vfunc[3]:	QCanvasItem::setAnimated(bool)
vfunc[4]:	QCanvasItem::setVelocity(double, double)

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vfunc[5]:	QCanvasItem::advance(int)
vfunc[6]:	__cxa_pure_virtual
vfunc[7]:	QCanvasItem::setCanvas(QCanvas*)
vfunc[8]:	__cxa_pure_virtual
vfunc[9]:	QCanvasItem::setVisible(bool)
vfunc[10]:	QCanvasItem::setSelected(bool)
vfunc[11]:	QCanvasItem::setEnabled(bool)
vfunc[12]:	QCanvasItem::setActive(bool)
vfunc[13]:	QCanvasItem::rtti() const
vfunc[14]:	__cxa_pure_virtual
vfunc[15]:	QCanvasItem::boundingRectAdvanced() const
vfunc[16]:	QCanvasItem::chunks() const
vfunc[17]:	QCanvasItem::addToChunks()
vfunc[18]:	QCanvasItem::removeFromChunks()
vfunc[19]:	QCanvasItem::changeChunks()
vfunc[20]:	__cxa_pure_virtual

The Run Time Type Information for the QCanvasItem class is described by Table 13-21

Table 13-21 typeinfo for QCanvasItem

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QCanvasItem
basetype:	typeinfo for Qt

13.2.1.11 Class data for QWaitCondition

The virtual table for the QWaitCondition class is described by Table 13-22

Table 13-22 Primary vtable for QWaitCondition

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QWaitCondition
vfunc[0]:	QWaitCondition::~QWaitCondition()
vfunc[1]:	QWaitCondition::~QWaitCondition()

The Run Time Type Information for the QWaitCondition class is described by Table 13-23

Table 13-23 typeinfo for QWaitCondition

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QWaitCondition

13.2.1.12 Class data for QFrame

The virtual table for the QFrame class is described by Table 13-24

Table 13-24 Primary vtable for QFrame

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QFrame
vfunc[0]:	QFrame::metaObject() const
vfunc[1]:	QFrame::className() const
vfunc[2]:	QFrame::qt_cast(char const*)
vfunc[3]:	QFrame::qt_invoke(int, QUObject*)
vfunc[4]:	QFrame::qt_emit(int, QUObject*)
vfunc[5]:	QFrame::qt_property(int, int, QVariant*)
vfunc[6]:	QFrame::~QFrame()
vfunc[7]:	QFrame::~QFrame()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

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vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()

vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QFrame::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEve

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	nt*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent *)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QFrame::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QFrame::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const

vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QFrame::drawContents(QPainter*)
vfunc[117]:	QFrame::frameChanged()

The Run Time Type Information for the QFrame class is described by Table 13-25

Table 13-25 typeinfo for QFrame

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QFrame
basetype:	typeinfo for QWidget

13.2.1.13 Class data for QScrollView

The virtual table for the QScrollView class is described by Table 13-26

Table 13-26 Primary vtable for QScrollView

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QScrollView
vfunc[0]:	QScrollView::metaObject() const
vfunc[1]:	QScrollView::className() const
vfunc[2]:	QScrollView::qt_cast(char const*)
vfunc[3]:	QScrollView::qt_invoke(int,

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	QUObject*)
vfunc[4]:	QScrollView::qt_emit(int, QUObject*)
vfunc[5]:	QScrollView::qt_property(int, int, QVariant*)
vfunc[6]:	QScrollView::~QScrollView()
vfunc[7]:	QScrollView::~QScrollView()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QScrollView::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QScrollView::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QScrollView::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)

vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QScrollView::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QScrollView::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QScrollView::sizeHint() const
vfunc[59]:	QScrollView::minimumSizeHint() const

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vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QScrollView::mousePressEvent(QMouseEvent*)
vfunc[70]:	QScrollView::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QScrollView::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QScrollView::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QScrollView::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QScrollView::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QScrollView::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)

vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QScrollView::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QScrollView::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QScrollView::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)

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vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QScrollView::drawContents(QPainter*)
vfunc[117]:	QScrollView::frameChanged()
vfunc[118]:	QScrollView::setResizePolicy(QScrollView::ResizePolicy)
vfunc[119]:	QScrollView::addChild(QWidget*, int, int)
vfunc[120]:	QScrollView::moveChild(QWidget*, int, int)
vfunc[121]:	QScrollView::setVScrollBarMode(QScrollView::ScrollBarMode)
vfunc[122]:	QScrollView::setHScrollBarMode(QScrollView::ScrollBarMode)
vfunc[123]:	QScrollView::setCornerWidget(QWidget*)
vfunc[124]:	QScrollView::setDragAutoScroll(bool)
vfunc[125]:	QScrollView::resizeContents(int, int)
vfunc[126]:	QScrollView::setContentsPos(int, int)
vfunc[127]:	QScrollView::drawContents(QPainter*, int, int, int, int)
vfunc[128]:	QScrollView::drawContentsOffset(QPainter*, int, int, int, int, int, int)
vfunc[129]:	QScrollView::contentsMousePressEvent(QMouseEvent*)
vfunc[130]:	QScrollView::contentsMouseReleaseEvent(QMouseEvent*)
vfunc[131]:	QScrollView::contentsMouseDoubleClickEvent(QMouseEvent*)
vfunc[132]:	QScrollView::contentsMouseMoveEvent(QMouseEvent*)
vfunc[133]:	QScrollView::contentsDragEnterEvent(QDragEnterEvent*)
vfunc[134]:	QScrollView::contentsDragMoveEvent(QDragMoveEvent*)
vfunc[135]:	QScrollView::contentsDragLeaveEvent(QDragLeaveEvent*)

vfunc[136]:	QScrollView::contentsDropEvent(QDropEvent*)
vfunc[137]:	QScrollView::contentsWheelEvent(QWheelEvent*)
vfunc[138]:	QScrollView::contentsContextMenuEvent(QContextMenuEvent*)
vfunc[139]:	QScrollView::viewportPaintEvent(QPaintEvent*)
vfunc[140]:	QScrollView::viewportResizeEvent(QResizeEvent*)
vfunc[141]:	QScrollView::viewportMousePressEvent(QMouseEvent*)
vfunc[142]:	QScrollView::viewportMouseReleaseEvent(QMouseEvent*)
vfunc[143]:	QScrollView::viewportMouseDoubleClickEvent(QMouseEvent*)
vfunc[144]:	QScrollView::viewportMouseMoveEvent(QMouseEvent*)
vfunc[145]:	QScrollView::viewportDragEnterEvent(QDragEnterEvent*)
vfunc[146]:	QScrollView::viewportDragMoveEvent(QDragMoveEvent*)
vfunc[147]:	QScrollView::viewportDragLeaveEvent(QDragLeaveEvent*)
vfunc[148]:	QScrollView::viewportDropEvent(QDropEvent*)
vfunc[149]:	QScrollView::viewportWheelEvent(QWheelEvent*)
vfunc[150]:	QScrollView::viewportContextMenuEvent(QContextMenuEvent*)
vfunc[151]:	QScrollView::setMargins(int, int, int, int)
vfunc[152]:	QScrollView::setHBarGeometry(QScrollBar&, int, int, int, int)
vfunc[153]:	QScrollView::setVBarGeometry(QScrollBar&, int, int, int, int)

The Run Time Type Information for the QScrollView class is described by Table 13-27

Table 13-27 typeinfo for QScrollView

Base Vtable	vtable for __cxxabiv1::__si_class_type_info

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Name	typeinfo name for QScrollView
basetype:	typeinfo for QFrame

13.2.1.14 Class data for QTextBrowser

The virtual table for the QTextBrowser class is described by Table 13-28

Table 13-28 Primary vtable for QTextBrowser

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTextBrowser
vfunc[0]:	QTextBrowser::metaObject() const
vfunc[1]:	QTextBrowser::className() const
vfunc[2]:	QTextBrowser::qt_cast(char const*)
vfunc[3]:	QTextBrowser::qt_invoke(int, QUObject*)
vfunc[4]:	QTextBrowser::qt_emit(int, QUObject*)
vfunc[5]:	QTextBrowser::qt_property(int, int, QVariant*)
vfunc[6]:	QTextBrowser::~QTextBrowser()
vfunc[7]:	QTextBrowser::~QTextBrowser()
vfunc[8]:	QTextEdit::event(QEvent*)
vfunc[9]:	QTextEdit::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QScrollView::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

vfunc[21]:	QTextEdit::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QTextEdit::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QTextEdit::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QScrollView::show()

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vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QTextEdit::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QScrollView::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QTextEdit::sizeHint() const
vfunc[59]:	QScrollView::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QTextEdit::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QScrollView::mousePressEvent(QMouseEvent*)
vfunc[70]:	QScrollView::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QScrollView::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QScrollView::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QScrollView::wheelEvent(QWheelEvent*)
vfunc[74]:	QTextBrowser::keyPressEvent(QKeyEvent*)

vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QTextEdit::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QScrollView::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QTextEdit::imStartEvent(QIMEvent*)
vfunc[86]:	QTextEdit::imComposeEvent(QIMEvent*)
vfunc[87]:	QTextEdit::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QScrollView::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QScrollView::fontChange(QFont const&)
vfunc[101]:	QTextEdit::windowActivationChang

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	e(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QTextEdit::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QTextEdit::drawContents(QPainter*)
vfunc[117]:	QScrollView::frameChanged()
vfunc[118]:	QScrollView::setResizePolicy(QScroll View::ResizePolicy)
vfunc[119]:	QScrollView::addChild(QWidget*, int, int)
vfunc[120]:	QScrollView::moveChild(QWidget*, int, int)
vfunc[121]:	QScrollView::setVScrollBarMode(QS crollView::ScrollBarMode)
vfunc[122]:	QScrollView::setHScrollBarMode(QS crollView::ScrollBarMode)
vfunc[123]:	QScrollView::setCornerWidget(QWi dget*)
vfunc[124]:	QScrollView::setDragAutoScroll(bool)
vfunc[125]:	QScrollView::resizeContents(int, int)
vfunc[126]:	QScrollView::setContentsPos(int, int)
vfunc[127]:	QTextEdit::drawContents(QPainter*, int, int, int, int)

vfunc[128]:	QScrollView::drawContentsOffset(QPainter*, int, int, int, int, int, int)
vfunc[129]:	QTextEdit::contentsMousePressEvent(QMouseEvent*)
vfunc[130]:	QTextEdit::contentsMouseReleaseEvent(QMouseEvent*)
vfunc[131]:	QTextEdit::contentsMouseDoubleClickEvent(QMouseEvent*)
vfunc[132]:	QTextEdit::contentsMouseMoveEvent(QMouseEvent*)
vfunc[133]:	QTextEdit::contentsDragEnterEvent(QDragEnterEvent*)
vfunc[134]:	QTextEdit::contentsDragMoveEvent(QDragMoveEvent*)
vfunc[135]:	QTextEdit::contentsDragLeaveEvent(QDragLeaveEvent*)
vfunc[136]:	QTextEdit::contentsDropEvent(QDropEvent*)
vfunc[137]:	QTextEdit::contentsWheelEvent(QWheelEvent*)
vfunc[138]:	QTextEdit::contentsContextMenuEvent(QContextMenuEvent*)
vfunc[139]:	QScrollView::viewportPaintEvent(QPaintEvent*)
vfunc[140]:	QTextEdit::viewportResizeEvent(QResizeEvent*)
vfunc[141]:	QScrollView::viewportMousePressEvent(QMouseEvent*)
vfunc[142]:	QScrollView::viewportMouseReleaseEvent(QMouseEvent*)
vfunc[143]:	QScrollView::viewportMouseDoubleClickEvent(QMouseEvent*)
vfunc[144]:	QScrollView::viewportMouseMoveEvent(QMouseEvent*)
vfunc[145]:	QScrollView::viewportDragEnterEvent(QDragEnterEvent*)
vfunc[146]:	QScrollView::viewportDragMoveEvent(QDragMoveEvent*)
vfunc[147]:	QScrollView::viewportDragLeaveEvent(QDragLeaveEvent*)
vfunc[148]:	QScrollView::viewportDropEvent(QDropEvent*)

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vfunc[149]:	QScrollView::viewportWheelEvent(QWheelEvent*)
vfunc[150]:	QScrollView::viewportContextMenuEvent(QContextMenuEvent*)
vfunc[151]:	QScrollView::setMargins(int, int, int, int)
vfunc[152]:	QScrollView::setHBarGeometry(QScrollBar&, int, int, int, int)
vfunc[153]:	QScrollView::setVBarGeometry(QScrollBar&, int, int, int, int)
vfunc[154]:	QTextEdit::find(QString const&, bool, bool, bool, int*, int*)
vfunc[155]:	QTextEdit::getFormat(int, int, QFont*, QColor*, QTextEdit::VerticalAlignment*)
vfunc[156]:	QTextEdit::getParagraphFormat(int, QFont*, QColor*, QTextEdit::VerticalAlignment*, int*, QStyleSheetItem::DisplayMode*, QStyleSheetItem::ListStyle*, int*)
vfunc[157]:	QTextEdit::setMimeSourceFactory(QMimeSourceFactory*)
vfunc[158]:	QTextEdit::setStyleSheet(QStyleSheet*)
vfunc[159]:	QTextEdit::scrollToAnchor(QString const&)
vfunc[160]:	QTextEdit::setPaper(QBrush const&)
vfunc[161]:	QTextEdit::setLinkUnderline(bool)
vfunc[162]:	QTextEdit::setWordWrap(QTextEdit::WordWrap)
vfunc[163]:	QTextEdit::setWrapColumnOrWidth(int)
vfunc[164]:	QTextEdit::setWrapPolicy(QTextEdit::WrapPolicy)
vfunc[165]:	QTextEdit::copy()
vfunc[166]:	QTextEdit::append(QString const&)
vfunc[167]:	QTextBrowser::setText(QString const&, QString const&)
vfunc[168]:	QTextEdit::setTextFormat(Qt::TextFormat)
vfunc[169]:	QTextEdit::selectAll(bool)
vfunc[170]:	QTextEdit::setTabStopWidth(int)

vfunc[171]:	QTextEdit::zoomIn(int)
vfunc[172]:	QTextEdit::zoomIn()
vfunc[173]:	QTextEdit::zoomOut(int)
vfunc[174]:	QTextEdit::zoomOut()
vfunc[175]:	QTextEdit::zoomTo(int)
vfunc[176]:	QTextEdit::sync()
vfunc[177]:	QTextEdit::setReadOnly(bool)
vfunc[178]:	QTextEdit::undo()
vfunc[179]:	QTextEdit::redo()
vfunc[180]:	QTextEdit::cut()
vfunc[181]:	QTextEdit::paste()
vfunc[182]:	QTextEdit::pasteSubType(QCString const&)
vfunc[183]:	QTextEdit::clear()
vfunc[184]:	QTextEdit::del()
vfunc[185]:	QTextEdit::indent()
vfunc[186]:	QTextEdit::setItalic(bool)
vfunc[187]:	QTextEdit::setBold(bool)
vfunc[188]:	QTextEdit::setUnderline(bool)
vfunc[189]:	QTextEdit::setFamily(QString const&)
vfunc[190]:	QTextEdit::setPointSize(int)
vfunc[191]:	QTextEdit::setColor(QColor const&)
vfunc[192]:	QTextEdit::setVerticalAlignment(QTextEdit::VerticalAlignment)
vfunc[193]:	QTextEdit::setAlignment(int)
vfunc[194]:	QTextEdit::setParagType(QStyleSheetItem::DisplayMode, QStyleSheetItem::ListStyle)
vfunc[195]:	QTextEdit::setCursorPosition(int, int)
vfunc[196]:	QTextEdit::setSelection(int, int, int, int, int)
vfunc[197]:	QTextEdit::setSelectionAttributes(int, QColor const&, bool)
vfunc[198]:	QTextEdit::setModified(bool)
vfunc[199]:	QTextEdit::resetFormat()
vfunc[200]:	QTextEdit::setUndoDepth(int)

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vfunc[201]:	QTextEdit::setFormat(QTextFormat*, int)
vfunc[202]:	QTextEdit::ensureCursorVisible()
vfunc[203]:	QTextEdit::placeCursor(QPoint const&, QTextCursor*)
vfunc[204]:	QTextEdit::moveCursor(QTextEdit::CursorAction, bool)
vfunc[205]:	QTextEdit::doKeyboardAction(QTextEdit::KeyboardAction)
vfunc[206]:	QTextEdit::removeSelectedText(int)
vfunc[207]:	QTextEdit::removeSelection(int)
vfunc[208]:	QTextEdit::setCurrentFont(QFont const&)
vfunc[209]:	QTextEdit::setOverwriteMode(bool)
vfunc[210]:	QTextEdit::scrollToBottom()
vfunc[211]:	QTextEdit::insert(QString const&, bool, bool, bool)
vfunc[212]:	QTextEdit::insertAt(QString const&, int, int)
vfunc[213]:	QTextEdit::removeParagraph(int)
vfunc[214]:	QTextEdit::insertParagraph(QString const&, int)
vfunc[215]:	QTextEdit::setParagraphBackgroundColor(int, QColor const&)
vfunc[216]:	QTextEdit::clearParagraphBackground(int)
vfunc[217]:	QTextEdit::setUndoRedoEnabled(bool)
vfunc[218]:	QTextEdit::createPopupMenu(QPoint const&)
vfunc[219]:	QTextEdit::createPopupMenu()
vfunc[220]:	QTextEdit::doChangeInterval()
vfunc[221]:	QTextBrowser::linksEnabled() const
vfunc[222]:	QTextBrowser::emitHighlighted(QString const&)
vfunc[223]:	QTextBrowser::emitLinkClicked(QString const&)
vfunc[224]:	QTextBrowser::setSource(QString const&)
vfunc[225]:	QTextBrowser::backward()

vfunc[226]:	QTextBrowser::forward()
vfunc[227]:	QTextBrowser::home()
vfunc[228]:	QTextBrowser::reload()

The Run Time Type Information for the QTextBrowser class is described by Table 13-29

Table 13-29 typeinfo for QTextBrowser

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QTextBrowser
basetype:	typeinfo for QTextEdit

13.2.1.15 Class data for QCanvasSprite

The virtual table for the QCanvasSprite class is described by Table 13-30

Table 13-30 Primary vtable for QCanvasSprite

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QCanvasSprite
vfunc[0]:	QCanvasSprite::~QCanvasSprite()
vfunc[1]:	QCanvasSprite::~QCanvasSprite()
vfunc[2]:	QCanvasItem::moveBy(double, double)
vfunc[3]:	QCanvasItem::setAnimated(bool)
vfunc[4]:	QCanvasItem::setVelocity(double, double)
vfunc[5]:	QCanvasSprite::advance(int)
vfunc[6]:	QCanvasSprite::collidesWith(QCanvasItem const*) const
vfunc[7]:	QCanvasItem::setCanvas(QCanvas*)
vfunc[8]:	QCanvasSprite::draw(QPainter&)
vfunc[9]:	QCanvasItem::setVisible(bool)
vfunc[10]:	QCanvasItem::setSelected(bool)
vfunc[11]:	QCanvasItem::setEnabled(bool)
vfunc[12]:	QCanvasItem::setActive(bool)
vfunc[13]:	QCanvasSprite::rtti() const
vfunc[14]:	QCanvasSprite::boundingRect() const

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vfunc[15]:	QCanvasItem::boundingRectAdvanced() const
vfunc[16]:	QCanvasItem::chunks() const
vfunc[17]:	QCanvasSprite::addToChunks()
vfunc[18]:	QCanvasSprite::removeFromChunks()
vfunc[19]:	QCanvasSprite::changeChunks()
vfunc[20]:	QCanvasSprite::collidesWith(QCanvasSprite const*, QCanvasPolygonalItem const*, QCanvasRectangle const*, QCanvasEllipse const*, QCanvasText const*) const
vfunc[21]:	QCanvasSprite::move(double, double, int)
vfunc[22]:	QCanvasSprite::setFrameAnimation(QCanvasSprite::FrameAnimationType, int, int)
vfunc[23]:	QCanvasSprite::imageAdvanced() const

The Run Time Type Information for the QCanvasSprite class is described by Table 13-31

Table 13-31 typeinfo for QCanvasSprite

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QCanvasSprite
basetype:	typeinfo for QCanvasItem

13.2.1.16 Class data for QSplitter

The virtual table for the QSplitter class is described by Table 13-32

Table 13-32 Primary vtable for QSplitter

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSplitter
vfunc[0]:	QSplitter::metaObject() const
vfunc[1]:	QSplitter::className() const
vfunc[2]:	QSplitter::qt_cast(char const*)
vfunc[3]:	QSplitter::qt_invoke(int, QUObject*)
vfunc[4]:	QSplitter::qt_emit(int, QUObject*)

vfunc[5]:	QSplitter::qt_property(int, int, QVariant*)
vfunc[6]:	QSplitter::~QSplitter()
vfunc[7]:	QSplitter::~QSplitter()
vfunc[8]:	QSplitter::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QSplitter::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)

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vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPi xmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::F ocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QSplitter::sizeHint() const
vfunc[59]:	QSplitter::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const

vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QSplitter::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEve

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	nt*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QSplitter::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)

vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QFrame::drawContents(QPainter*)
vfunc[117]:	QFrame::frameChanged()
vfunc[118]:	QSplitter::setOrientation(Qt::Orientation)
vfunc[119]:	QSplitter::setResizeMode(QWidget*, QSplitter::ResizeMode)
vfunc[120]:	QSplitter::setOpaqueResize(bool)
vfunc[121]:	QSplitter::drawSplitter(QPainter*, int, int, int, int)
vfunc[122]:	QSplitter::setRubberband(int)

The Run Time Type Information for the QSplitter class is described by Table 13-33

Table 13-33 typeinfo for QSplitter

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSplitter
basetype:	typeinfo for QFrame

13.2.1.17 Class data for QLineEdit

The virtual table for the QLineEdit class is described by Table 13-34

Table 13-34 Primary vtable for QLineEdit

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QLineEdit
vfunc[0]:	QLineEdit::metaObject() const
vfunc[1]:	QLineEdit::className() const
vfunc[2]:	QLineEdit::qt_cast(char const*)
vfunc[3]:	QLineEdit::qt_invoke(int, QUObject*)
vfunc[4]:	QLineEdit::qt_emit(int, QUObject*)
vfunc[5]:	QLineEdit::qt_property(int, int, QVariant*)
vfunc[6]:	QLineEdit::~QLineEdit()
vfunc[7]:	QLineEdit::~QLineEdit()
vfunc[8]:	QLineEdit::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)

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vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QLineEdit::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColo r(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixm ap(QPixmap const&)
vfunc[31]:	QLineEdit::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)

vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QLineEdit::sizeHint() const
vfunc[59]:	QLineEdit::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)

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vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QLineEdit::mousePressEvent(QMouseEvent*)
vfunc[70]:	QLineEdit::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QLineEdit::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QLineEdit::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QLineEdit::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QLineEdit::focusInEvent(QFocusEvent*)
vfunc[77]:	QLineEdit::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QLineEdit::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QLineEdit::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QLineEdit::imStartEvent(QIMEvent*)
vfunc[86]:	QLineEdit::imComposeEvent(QIMEvent*)
vfunc[87]:	QLineEdit::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QLineEdit::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QLineEdit::dragMoveEvent(QDragMoveEvent*)

vfunc[91]:	QLineEdit::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QLineEdit::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QFrame::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QLineEdit::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QLineEdit::drawContents(QPainter*)
vfunc[117]:	QFrame::frameChanged()
vfunc[118]:	QLineEdit::setText(QString const&)
vfunc[119]:	QLineEdit::selectAll()
vfunc[120]:	QLineEdit::deselect()
vfunc[121]:	QLineEdit::clearValidator()

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vfunc[122]:	QLineEdit::insert(QString const&)
vfunc[123]:	QLineEdit::clear()
vfunc[124]:	QLineEdit::undo()
vfunc[125]:	QLineEdit::redo()
vfunc[126]:	QLineEdit::setMaxLength(int)
vfunc[127]:	QLineEdit::setFrame(bool)
vfunc[128]:	QLineEdit::setEchoMode(QLineEdit::EchoMode)
vfunc[129]:	QLineEdit::setReadOnly(bool)
vfunc[130]:	QLineEdit::setValidator(QValidator const*)
vfunc[131]:	QLineEdit::setSelection(int, int)
vfunc[132]:	QLineEdit::setCursorPosition(int)
vfunc[133]:	QLineEdit::setAlignment(int)
vfunc[134]:	QLineEdit::cut()
vfunc[135]:	QLineEdit::copy() const
vfunc[136]:	QLineEdit::paste()
vfunc[137]:	QLineEdit::setDragEnabled(bool)
vfunc[138]:	QLineEdit::createPopupMenu()

The Run Time Type Information for the QLineEdit class is described by Table 13-35

Table 13-35 typeinfo for QLineEdit

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QLineEdit
basetype:	typeinfo for QFrame

13.2.1.18 Class data for QVBox

The virtual table for the QVBox class is described by Table 13-36

Table 13-36 Primary vtable for QVBox

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QVBox
vfunc[0]:	QVBox::metaObject() const
vfunc[1]:	QVBox::className() const
vfunc[2]:	QVBox::qt_cast(char const*)

vfunc[3]:	QVBox::qt_invoke(int, QUObject*)
vfunc[4]:	QVBox::qt_emit(int, QUObject*)
vfunc[5]:	QVBox::qt_property(int, int, QVariant*)
vfunc[6]:	QVBox::~QVBox()
vfunc[7]:	QVBox::~QVBox()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColo r(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixm

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	ap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPi xmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::F ocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QHBox::sizeHint() const

vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QFrame::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)

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vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QFrame::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect

	const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QFrame::drawContents(QPainter*)
vfunc[117]:	QHBox::frameChanged()

The Run Time Type Information for the QVBox class is described by Table 13-37

Table 13-37 typeinfo for QVBox

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QVBox
basetype:	typeinfo for QHBox

13.2.1.19 Class data for QContextMenuEvent

The virtual table for the QContextMenuEvent class is described by Table 13-38

Table 13-38 Primary vtable for QContextMenuEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QContextMenuEvent
vfunc[0]:	QContextMenuEvent::~QContextMenuEvent()
vfunc[1]:	QContextMenuEvent::~QContextMenuEvent()

The Run Time Type Information for the QContextMenuEvent class is described by Table 13-39

Table 13-39 typeinfo for QContextMenuEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QContextMenuEvent
basetype:	typeinfo for QEvent

13.2.1.20 Class data for QProcess

The virtual table for the QProcess class is described by Table 13-40

Table 13-40 Primary vtable for QProcess

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QProcess

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vfunc[0]:	QProcess::metaObject() const
vfunc[1]:	QProcess::className() const
vfunc[2]:	QProcess::qt_cast(char const*)
vfunc[3]:	QProcess::qt_invoke(int, QUObject*)
vfunc[4]:	QProcess::qt_emit(int, QUObject*)
vfunc[5]:	QProcess::qt_property(int, int, QVariant*)
vfunc[6]:	QProcess::~QProcess()
vfunc[7]:	QProcess::~QProcess()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QProcess::connectNotify(char const*)
vfunc[19]:	QProcess::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QProcess::setArguments(QStringList const&)
vfunc[22]:	QProcess::addArgument(QString const&)
vfunc[23]:	QProcess::setWorkingDirectory(QDir const&)
vfunc[24]:	QProcess::start(QStringList*)
vfunc[25]:	QProcess::launch(QString const&, QStringList*)
vfunc[26]:	QProcess::launch(QMemArray<char > const&, QStringList*)

vfunc[27]:	QProcess::readStdout()
vfunc[28]:	QProcess::readStderr()
vfunc[29]:	QProcess::readLineStdout()
vfunc[30]:	QProcess::readLineStderr()
vfunc[31]:	QProcess::writeToStdin(QMemArray <char> const&)
vfunc[32]:	QProcess::writeToStdin(QString const&)
vfunc[33]:	QProcess::closeStdin()

The Run Time Type Information for the QProcess class is described by Table 13-41

Table 13-41 typeinfo for QProcess

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QProcess
basetype:	typeinfo for QObject

13.2.1.21 Class data for QImageFormat

The virtual table for the QImageFormat class is described by Table 13-42

Table 13-42 Primary vtable for QImageFormat

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QImageFormat
vfunc[0]:	QImageFormat::~QImageFormat()
vfunc[1]:	QImageFormat::~QImageFormat()
vfunc[2]:	__cxa_pure_virtual

The Run Time Type Information for the QImageFormat class is described by Table 13-43

Table 13-43 typeinfo for QImageFormat

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QImageFormat

13.2.1.22 Class data for QTranslator

The virtual table for the QTranslator class is described by Table 13-44

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Table 13-44 Primary vtable for QTranslator

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTranslator
vfunc[0]:	QTranslator::metaObject() const
vfunc[1]:	QTranslator::className() const
vfunc[2]:	QTranslator::qt_cast(char const*)
vfunc[3]:	QTranslator::qt_invoke(int, QUObject*)
vfunc[4]:	QTranslator::qt_emit(int, QUObject*)
vfunc[5]:	QTranslator::qt_property(int, int, QVariant*)
vfunc[6]:	QTranslator::~QTranslator()
vfunc[7]:	QTranslator::~QTranslator()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QTranslator::findMessage(char const*, char const*, char const*) const

The Run Time Type Information for the QTranslator class is described by Table 13-45

Table 13-45 typeinfo for QTranslator

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QTranslator
basetype:	typeinfo for QObject

13.2.1.23 Class data for QXmlLocator

The virtual table for the QXmlLocator class is described by Table 13-46

Table 13-46 Primary vtable for QXmlLocator

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QXmlLocator
vfunc[0]:	QXmlLocator::~QXmlLocator()
vfunc[1]:	QXmlLocator::~QXmlLocator()
vfunc[2]:	__cxa_pure_virtual
vfunc[3]:	__cxa_pure_virtual

The Run Time Type Information for the QXmlLocator class is described by Table 13-47

Table 13-47 typeinfo for QXmlLocator

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QXmlLocator

13.2.1.24 Class data for QPopupMenu

The virtual table for the QPopupMenu class is described by Table 13-48

Table 13-48 Primary vtable for QPopupMenu

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QPopupMenu
vfunc[0]:	QPopupMenu::metaObject() const
vfunc[1]:	QPopupMenu::className() const
vfunc[2]:	QPopupMenu::qt_cast(char const*)
vfunc[3]:	QPopupMenu::qt_invoke(int, QUObject*)
vfunc[4]:	QPopupMenu::qt_emit(int, QUObject*)
vfunc[5]:	QPopupMenu::qt_property(int, int,

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	QVariant*)
vfunc[6]:	QPopupMenu::~QPopupMenu()
vfunc[7]:	QPopupMenu::~QPopupMenu()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QPopupMenu::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QPopupMenu::setFont(QFont const&)

vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QPopupMenu::show()
vfunc[48]:	QPopupMenu::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QPopupMenu::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const

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vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QPopupMenu::customWhatsThis() const
vfunc[69]:	QPopupMenu::mousePressEvent(QMouseEvent*)
vfunc[70]:	QPopupMenu::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QPopupMenu::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QPopupMenu::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QPopupMenu::focusInEvent(QFocusEvent*)
vfunc[77]:	QPopupMenu::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QPopupMenu::leaveEvent(QEvent*)
vfunc[80]:	QPopupMenu::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QFrame::resizeEvent(QResizeEvent*)
vfunc[83]:	QPopupMenu::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)

vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QPopupMenu::styleChange(QStyle&)
vfunc[98]:	QPopupMenu::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QPopupMenu::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)

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vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QPopupMenu::drawContents(QPainter*)
vfunc[117]:	QPopupMenu::frameChanged()
vfunc[118]:	QPopupMenu::updateItem(int)
vfunc[119]:	QPopupMenu::setCheckable(bool)
vfunc[120]:	QPopupMenu::setActiveItem(int)
vfunc[121]:	QPopupMenu::activateItemAt(int)
vfunc[122]:	QPopupMenu::menuContentsChanged()
vfunc[123]:	QPopupMenu::menuStateChanged()
vfunc[124]:	QPopupMenu::menuInsPopup(QPopupMenu*)
vfunc[125]:	QPopupMenu::menuDelPopup(QPopupMenu*)
vfunc[126]:	QPopupMenu::setFirstItemActive()

The Run Time Type Information for the QPopupMenu class is described by Table 13-49

Table 13-49 typeinfo for QPopupMenu

Base Vtable	vtable for __cxxabiv1::__vmi_class_type_info	
Name	typeinfo name for QPopupMenu	
flags:	0	
basetype:	typeinfo for QFrame	2
basetype:	typeinfo for QMenuData	37890

13.2.1.25 Class data for QImageDrag

The virtual table for the QImageDrag class is described by Table 13-50

Table 13-50 Primary vtable for QImageDrag

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QImageDrag

vfunc[0]:	QImageDrag::metaObject() const
vfunc[1]:	QImageDrag::className() const
vfunc[2]:	QImageDrag::qt_cast(char const*)
vfunc[3]:	QImageDrag::qt_invoke(int, QUObject*)
vfunc[4]:	QImageDrag::qt_emit(int, QUObject*)
vfunc[5]:	QImageDrag::qt_property(int, int, QVariant*)
vfunc[6]:	QImageDrag::~QImageDrag()
vfunc[7]:	QImageDrag::~QImageDrag()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QDragObject::setPixmap(QPixmap)
vfunc[22]:	QDragObject::setPixmap(QPixmap, QPoint const&)
vfunc[23]:	QDragObject::drag(QDragObject::DragMode)
vfunc[24]:	QImageDrag::setImage(QImage)
vfunc[25]:	QImageDrag::format(int) const
vfunc[26]:	QImageDrag::encodedData(char const*) const

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The Run Time Type Information for the QImageDrag class is described by Table 13-51

Table 13-51 typeinfo for QImageDrag

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QImageDrag
basetype:	typeinfo for QDragObject

13.2.1.26 Class data for QMimeSourceFactory

The virtual table for the QMimeSourceFactory class is described by Table 13-52

Table 13-52 Primary vtable for QMimeSourceFactory

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QMimeSourceFactory
vfunc[0]:	QMimeSourceFactory::~QMimeSourceFactory()
vfunc[1]:	QMimeSourceFactory::~QMimeSourceFactory()
vfunc[2]:	QMimeSourceFactory::data(QString const&) const
vfunc[3]:	QMimeSourceFactory::makeAbsolute(QString const&, QString const&) const
vfunc[4]:	QMimeSourceFactory::setText(QString const&, QString const&)
vfunc[5]:	QMimeSourceFactory::setImage(QString const&, QImage const&)
vfunc[6]:	QMimeSourceFactory::setPixmap(QString const&, QPixmap const&)
vfunc[7]:	QMimeSourceFactory::setData(QString const&, QMimeSource*)
vfunc[8]:	QMimeSourceFactory::setFilePath(QStringList const&)
vfunc[9]:	QMimeSourceFactory::filePath() const
vfunc[10]:	QMimeSourceFactory::setExtensionType(QString const&, char const*)

The Run Time Type Information for the QMimeSourceFactory class is described by Table 13-53

Table 13-53 typeinfo for QMimeSourceFactory

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QMimeSourceFactory

13.2.1.27 Class data for QListBoxText

The virtual table for the QListBoxText class is described by Table 13-54

Table 13-54 Primary vtable for QListBoxText

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QListBoxText
vfunc[0]:	QListBoxText::~QListBoxText()
vfunc[1]:	QListBoxText::~QListBoxText()
vfunc[2]:	QListBoxItem::text() const
vfunc[3]:	QListBoxItem::pixmap() const
vfunc[4]:	QListBoxText::height(QListBox const*) const
vfunc[5]:	QListBoxText::width(QListBox const*) const
vfunc[6]:	QListBoxText::rtti() const
vfunc[7]:	QListBoxText::paint(QPainter*)
vfunc[8]:	QListBoxItem::setText(QString const&)

The Run Time Type Information for the QListBoxText class is described by Table 13-55

Table 13-55 typeinfo for QListBoxText

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QListBoxText
basetype:	typeinfo for QListBoxItem

13.2.1.28 Class data for QGroupBox

The virtual table for the QGroupBox class is described by Table 13-56

Table 13-56 Primary vtable for QGroupBox

Base Offset	0
Virtual Base Offset	0

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RTTI	typeinfo for QGroupBox
vfunc[0]:	QGroupBox::metaObject() const
vfunc[1]:	QGroupBox::className() const
vfunc[2]:	QGroupBox::qt_cast(char const*)
vfunc[3]:	QGroupBox::qt_invoke(int, QUObject*)
vfunc[4]:	QGroupBox::qt_emit(int, QUObject*)
vfunc[5]:	QGroupBox::qt_property(int, int, QVariant*)
vfunc[6]:	QGroupBox::~QGroupBox()
vfunc[7]:	QGroupBox::~QGroupBox()
vfunc[8]:	QGroupBox::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QGroupBox::childEvent(QChildEven t*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QGroupBox::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)

vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int,

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	int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QGroupBox::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QGroupBox::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QGroupBox::paintEvent(QPaintEvent*)

vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QGroupBox::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QFrame::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QGroupBox::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)

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vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QFrame::drawContents(QPainter*)
vfunc[117]:	QFrame::frameChanged()
vfunc[118]:	QGroupBox::setColumnLayout(int, Qt::Orientation)
vfunc[119]:	QGroupBox::setTitle(QString const&)
vfunc[120]:	QGroupBox::setAlignment(int)

The Run Time Type Information for the QGroupBox class is described by Table 13-57

Table 13-57 typeinfo for QGroupBox

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QGroupBox
basetype:	typeinfo for QFrame

13.2.1.29 Class data for QMenuBar

The virtual table for the QMenuBar class is described by Table 13-58

Table 13-58 Primary vtable for QMenuBar

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QMenuBar
vfunc[0]:	QMenuBar::metaObject() const
vfunc[1]:	QMenuBar::className() const
vfunc[2]:	QMenuBar::qt_cast(char const*)
vfunc[3]:	QMenuBar::qt_invoke(int, QUObject*)
vfunc[4]:	QMenuBar::qt_emit(int, QUObject*)

vfunc[5]:	QMenuBar::qt_property(int, int, QVariant*)
vfunc[6]:	QMenuBar::~QMenuBar()
vfunc[7]:	QMenuBar::~QMenuBar()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QMenuBar::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)

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vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QMenuBar::show()
vfunc[48]:	QMenuBar::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QMenuBar::sizeHint() const
vfunc[59]:	QMenuBar::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const

vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QMenuBar::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QMenuBar::customWhatsThis() const
vfunc[69]:	QMenuBar::mousePressEvent(QMouseEvent*)
vfunc[70]:	QMenuBar::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QMenuBar::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QMenuBar::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QMenuBar::focusInEvent(QFocusEvent*)
vfunc[77]:	QMenuBar::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QMenuBar::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QMenuBar::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)

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vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QMenuBar::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QMenuBar::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)

vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QMenuBar::drawContents(QPainter*)
vfunc[117]:	QMenuBar::frameChanged()
vfunc[118]:	QMenuBar::updateItem(int)
vfunc[119]:	QMenuBar::setSeparator(QMenuBar::Separator)
vfunc[120]:	QMenuBar::activateItemAt(int)
vfunc[121]:	QMenuBar::menuContentsChanged()
vfunc[122]:	QMenuBar::menuStateChanged()
vfunc[123]:	QMenuBar::menuInsPopup(QPopupMenu*)
vfunc[124]:	QMenuBar::menuDelPopup(QPopupMenu*)

The Run Time Type Information for the QMenuBar class is described by Table 13-59

Table 13-59 typeinfo for QMenuBar

Base Vtable	vtable for __cxxabiv1::__vmi_class_type_info	
Name	typeinfo name for QMenuBar	
flags:	0	
basetype:	typeinfo for QFrame	2
basetype:	typeinfo for QMenuData	37890

13.2.1.30 Class data for QProgressDialog

The virtual table for the QProgressDialog class is described by Table 13-60

Table 13-60 Primary vtable for QProgressDialog

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QProgressDialog
vfunc[0]:	QProgressDialog::metaObject() const
vfunc[1]:	QProgressDialog::className() const
vfunc[2]:	QProgressDialog::qt_cast(char

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	const*)
vfunc[3]:	QProgressDialog::qt_invoke(int, QUObject*)
vfunc[4]:	QProgressDialog::qt_emit(int, QUObject*)
vfunc[5]:	QProgressDialog::qt_property(int, int, QVariant*)
vfunc[6]:	QProgressDialog::~QProgressDialog( )
vfunc[7]:	QProgressDialog::~QProgressDialog( )
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QDialog::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)

vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QDialog::show()
vfunc[48]:	QDialog::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QDialog::move(int, int)
vfunc[54]:	QDialog::resize(int, int)
vfunc[55]:	QDialog::setGeometry(int, int, int, int)
vfunc[56]:	QDialog::setGeometry(QRect const&)

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vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QProgressDialog::sizeHint() const
vfunc[59]:	QDialog::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QDialog::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QProgressDialog::resizeEvent(QResizeEvent*)
vfunc[83]:	QProgressDialog::closeEvent(QClose

	Event*)
vfunc[84]:	QDialog::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QProgressDialog::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QProgressDialog::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)

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vfunc[110]:	QDialog::done(int)
vfunc[111]:	QDialog::accept()
vfunc[112]:	QDialog::reject()

The Run Time Type Information for the QProgressDialog class is described by Table 13-61

Table 13-61 typeinfo for QProgressDialog

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QProgressDialog
basetype:	typeinfo for QDialog

13.2.1.31 Class data for QDateTimeEdit

The virtual table for the QDateTimeEdit class is described by Table 13-62

Table 13-62 Primary vtable for QDateTimeEdit

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDateTimeEdit
vfunc[0]:	QDateTimeEdit::metaObject() const
vfunc[1]:	QDateTimeEdit::className() const
vfunc[2]:	QDateTimeEdit::qt_cast(char const*)
vfunc[3]:	QDateTimeEdit::qt_invoke(int, QUObject*)
vfunc[4]:	QDateTimeEdit::qt_emit(int, QUObject*)
vfunc[5]:	QDateTimeEdit::qt_property(int, int, QVariant*)
vfunc[6]:	QDateTimeEdit::~QDateTimeEdit()
vfunc[7]:	QDateTimeEdit::~QDateTimeEdit()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const

vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)

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vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QDateTimeEdit::sizeHint() const
vfunc[59]:	QDateTimeEdit::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMou

	seEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QDateTimeEdit::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)

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vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QDateTimeEdit::setDateTime(QDateTime const&)
vfunc[111]:	QDateTimeEdit::setAutoAdvance(bool)

The Run Time Type Information for the QDateTimeEdit class is described by Table 13-63

Table 13-63 typeinfo for QDateTimeEdit

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDateTimeEdit
basetype:	typeinfo for QWidget

13.2.1.32 Class data for QSqlResult

The virtual table for the QSqlResult class is described by Table 13-64

Table 13-64 Primary vtable for QSqlResult

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSqlResult
vfunc[0]:	QSqlResult::~QSqlResult()

vfunc[1]:	QSqlResult::~QSqlResult()
vfunc[2]:	QSqlResult::setAt(int)
vfunc[3]:	QSqlResult::setActive(bool)
vfunc[4]:	QSqlResult::setLastError(QSqlError const&)
vfunc[5]:	QSqlResult::setQuery(QString const&)
vfunc[6]:	QSqlResult::setSelect(bool)
vfunc[7]:	QSqlResult::setForwardOnly(bool)
vfunc[8]:	__cxa_pure_virtual
vfunc[9]:	__cxa_pure_virtual
vfunc[10]:	__cxa_pure_virtual
vfunc[11]:	__cxa_pure_virtual
vfunc[12]:	QSqlResult::fetchNext()
vfunc[13]:	QSqlResult::fetchPrev()
vfunc[14]:	__cxa_pure_virtual
vfunc[15]:	__cxa_pure_virtual
vfunc[16]:	__cxa_pure_virtual
vfunc[17]:	__cxa_pure_virtual

The Run Time Type Information for the QSqlResult class is described by Table 13-65

Table 13-65 typeinfo for QSqlResult

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QSqlResult

13.2.1.33 Class data for QRegExpValidator

The virtual table for the QRegExpValidator class is described by Table 13-66

Table 13-66 Primary vtable for QRegExpValidator

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QRegExpValidator
vfunc[0]:	QRegExpValidator::metaObject() const
vfunc[1]:	QRegExpValidator::className() const

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vfunc[2]:	QRegExpValidator::qt_cast(char const*)
vfunc[3]:	QRegExpValidator::qt_invoke(int, QUObject*)
vfunc[4]:	QRegExpValidator::qt_emit(int, QUObject*)
vfunc[5]:	QRegExpValidator::qt_property(int, int, QVariant*)
vfunc[6]:	QRegExpValidator::~QRegExpValidator()
vfunc[7]:	QRegExpValidator::~QRegExpValidator()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QRegExpValidator::validate(QString &, int&) const
vfunc[22]:	QValidator::fixup(QString&) const

The Run Time Type Information for the QRegExpValidator class is described by Table 13-67

Table 13-67 typeinfo for QRegExpValidator

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QRegExpValidator

basetype:	typeinfo for QValidator

13.2.1.34 Class data for QDockAreaLayout

The virtual table for the QDockAreaLayout class is described by Table 13-68

Table 13-68 Primary vtable for QDockAreaLayout

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDockAreaLayout
vfunc[0]:	QDockAreaLayout::metaObject() const
vfunc[1]:	QDockAreaLayout::className() const
vfunc[2]:	QDockAreaLayout::qt_cast(char const*)
vfunc[3]:	QDockAreaLayout::qt_invoke(int, QUObject*)
vfunc[4]:	QDockAreaLayout::qt_emit(int, QUObject*)
vfunc[5]:	QDockAreaLayout::qt_property(int, int, QVariant*)
vfunc[6]:	QDockAreaLayout::~QDockAreaLayout()
vfunc[7]:	QDockAreaLayout::~QDockAreaLayout()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QLayout::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QLayout::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char

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	const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QLayout::setMargin(int)
vfunc[22]:	QLayout::setSpacing(int)
vfunc[23]:	QLayout::setMenuBar(QMenuBar*)
vfunc[24]:	QLayout::setAutoAdd(bool)
vfunc[25]:	QDockAreaLayout::invalidate()
vfunc[26]:	QLayout::geometry() const
vfunc[27]:	QDockAreaLayout::addItem(QLayoutItem*)
vfunc[28]:	QDockAreaLayout::expanding() const
vfunc[29]:	QDockAreaLayout::minimumSize() const
vfunc[30]:	QLayout::maximumSize() const
vfunc[31]:	QDockAreaLayout::setGeometry(QRect const&)
vfunc[32]:	QDockAreaLayout::iterator()
vfunc[33]:	QLayout::isEmpty() const
vfunc[34]:	QLayout::layout()
vfunc[35]:	QDockAreaLayout::hasHeightForWidth() const
vfunc[36]:	QDockAreaLayout::heightForWidth(int) const
vfunc[37]:	QDockAreaLayout::sizeHint() const

The Run Time Type Information for the QDockAreaLayout class is described by Table 13-69

Table 13-69 typeinfo for QDockAreaLayout

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDockAreaLayout
basetype:	typeinfo for QLayout

13.2.1.35 Class data for QDragLeaveEvent

The virtual table for the QDragLeaveEvent class is described by Table 13-70

Table 13-70 Primary vtable for QDragLeaveEvent

Base Offset	0

Virtual Base Offset	0
RTTI	typeinfo for QDragLeaveEvent
vfunc[0]:	QDragLeaveEvent::~QDragLeaveEvent()
vfunc[1]:	QDragLeaveEvent::~QDragLeaveEvent()

The Run Time Type Information for the QDragLeaveEvent class is described by Table 13-71

Table 13-71 typeinfo for QDragLeaveEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDragLeaveEvent
basetype:	typeinfo for QEvent

13.2.1.36 Class data for QLCDNumber

The virtual table for the QLCDNumber class is described by Table 13-72

Table 13-72 Primary vtable for QLCDNumber

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QLCDNumber
vfunc[0]:	QLCDNumber::metaObject() const
vfunc[1]:	QLCDNumber::className() const
vfunc[2]:	QLCDNumber::qt_cast(char const*)
vfunc[3]:	QLCDNumber::qt_invoke(int, QUObject*)
vfunc[4]:	QLCDNumber::qt_emit(int, QUObject*)
vfunc[5]:	QLCDNumber::qt_property(int, int, QVariant*)
vfunc[6]:	QLCDNumber::~QLCDNumber()
vfunc[7]:	QLCDNumber::~QLCDNumber()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)

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vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)

vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QLCDNumber::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouse

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	Event*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QFrame::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)

vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QFrame::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QLCDNumber::drawContents(QPainter*)
vfunc[117]:	QFrame::frameChanged()
vfunc[118]:	QLCDNumber::setNumDigits(int)
vfunc[119]:	QLCDNumber::setMode(QLCDNumber::Mode)
vfunc[120]:	QLCDNumber::setSegmentStyle(QLCDNumber::SegmentStyle)
vfunc[121]:	QLCDNumber::setHexMode()
vfunc[122]:	QLCDNumber::setDecMode()
vfunc[123]:	QLCDNumber::setOctMode()

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vfunc[124]:	QLCDNumber::setBinMode()
vfunc[125]:	QLCDNumber::setSmallDecimalPoint(bool)

The Run Time Type Information for the QLCDNumber class is described by Table 13-73

Table 13-73 typeinfo for QLCDNumber

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QLCDNumber
basetype:	typeinfo for QFrame

13.2.1.37 Class data for QUrlOperator

The virtual table for the QUrlOperator class is described by Table 13-74

Table 13-74 Primary vtable for QUrlOperator

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QUrlOperator
vfunc[0]:	QUrlOperator::metaObject() const
vfunc[1]:	QUrlOperator::className() const
vfunc[2]:	QUrlOperator::qt_cast(char const*)
vfunc[3]:	QUrlOperator::qt_invoke(int, QUObject*)
vfunc[4]:	QUrlOperator::qt_emit(int, QUObject*)
vfunc[5]:	QUrlOperator::qt_property(int, int, QVariant*)
vfunc[6]:	QUrlOperator::~QUrlOperator()
vfunc[7]:	QUrlOperator::~QUrlOperator()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const

vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QUrlOperator::setPath(QString const&)
vfunc[22]:	QUrlOperator::cdUp()
vfunc[23]:	QUrlOperator::listChildren()
vfunc[24]:	QUrlOperator::mkdir(QString const&)
vfunc[25]:	QUrlOperator::remove(QString const&)
vfunc[26]:	QUrlOperator::rename(QString const&, QString const&)
vfunc[27]:	QUrlOperator::get(QString const&)
vfunc[28]:	QUrlOperator::put(QMemArray<char> const&, QString const&)
vfunc[29]:	QUrlOperator::copy(QString const&, QString const&, bool, bool)
vfunc[30]:	QUrlOperator::copy(QStringList const&, QString const&, bool)
vfunc[31]:	QUrlOperator::isDir(bool*)
vfunc[32]:	QUrlOperator::setNameFilter(QString const&)
vfunc[33]:	QUrlOperator::info(QString const&) const
vfunc[34]:	QUrlOperator::stop()
vfunc[35]:	QUrlOperator::reset()
vfunc[36]:	QUrlOperator::parse(QString const&)
vfunc[37]:	QUrlOperator::checkValid()
vfunc[38]:	QUrlOperator::clearEntries()

The Run Time Type Information for the QUrlOperator class is described by Table 13-75

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Table 13-75 typeinfo for QUrlOperator

Base Vtable	vtable for __cxxabiv1::__vmi_class_type_info	
Name	typeinfo name for QUrlOperator	
flags:	0	
basetype:	typeinfo for QObject	2
basetype:	typeinfo for QUrl	10242

13.2.1.38 Class data for QSocket

The virtual table for the QSocket class is described by Table 13-76

Table 13-76 Primary vtable for QSocket

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSocket
vfunc[0]:	QSocket::metaObject() const
vfunc[1]:	QSocket::className() const
vfunc[2]:	QSocket::qt_cast(char const*)
vfunc[3]:	QSocket::qt_invoke(int, QUObject*)
vfunc[4]:	QSocket::qt_emit(int, QUObject*)
vfunc[5]:	QSocket::qt_property(int, int, QVariant*)
vfunc[6]:	QSocket::~QSocket()
vfunc[7]:	QSocket::~QSocket()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve

	nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QSocket::setSocket(int)
vfunc[22]:	QSocket::setSocketDevice(QSocketDevice*)
vfunc[23]:	QSocket::connectToHost(QString const&, unsigned short)
vfunc[24]:	QSocket::open(int)
vfunc[25]:	QSocket::close()
vfunc[26]:	QSocket::flush()
vfunc[27]:	QSocket::size() const
vfunc[28]:	QSocket::at() const
vfunc[29]:	QSocket::at(unsigned long)
vfunc[30]:	QSocket::atEnd() const
vfunc[31]:	QSocket::readBlock(char*, unsigned long)
vfunc[32]:	QSocket::writeBlock(char const*, unsigned long)
vfunc[33]:	QSocket::readLine(char*, unsigned long)
vfunc[34]:	QSocket::getch()
vfunc[35]:	QSocket::putch(int)
vfunc[36]:	QSocket::ungetch(int)
vfunc[37]:	QSocket::readLine()
vfunc[38]:	QSocket::sn_read(bool)
vfunc[39]:	QSocket::sn_write()

The Run Time Type Information for the QSocket class is described by Table 13-77

Table 13-77 typeinfo for QSocket

Base Vtable	vtable for __cxxabiv1::__vmi_class_type_info	
Name	typeinfo name for QSocket	

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flags:	0	
basetype:	typeinfo for QObject	2
basetype:	typeinfo for QIODevice	10242

13.2.1.39 Class data for QGridView

The virtual table for the QGridView class is described by Table 13-78

Table 13-78 Primary vtable for QGridView

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QGridView
vfunc[0]:	QGridView::metaObject() const
vfunc[1]:	QGridView::className() const
vfunc[2]:	QGridView::qt_cast(char const*)
vfunc[3]:	QGridView::qt_invoke(int, QUObject*)
vfunc[4]:	QGridView::qt_emit(int, QUObject*)
vfunc[5]:	QGridView::qt_property(int, int, QVariant*)
vfunc[6]:	QGridView::~QGridView()
vfunc[7]:	QGridView::~QGridView()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QScrollView::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QScrollView::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char

	const*, QObject const*, char const*)
vfunc[21]:	QScrollView::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QScrollView::show()

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vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QScrollView::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QScrollView::sizeHint() const
vfunc[59]:	QScrollView::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QScrollView::mousePressEvent(QMouseEvent*)
vfunc[70]:	QScrollView::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QScrollView::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QScrollView::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QScrollView::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)

vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QScrollView::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QScrollView::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QScrollView::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QScrollView::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(

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	bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QScrollView::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QGridView::drawContents(QPainter*)
vfunc[117]:	QScrollView::frameChanged()
vfunc[118]:	QScrollView::setResizePolicy(QScrollView::ResizePolicy)
vfunc[119]:	QScrollView::addChild(QWidget*, int, int)
vfunc[120]:	QScrollView::moveChild(QWidget*, int, int)
vfunc[121]:	QScrollView::setVScrollBarMode(QScrollView::ScrollBarMode)
vfunc[122]:	QScrollView::setHScrollBarMode(QScrollView::ScrollBarMode)
vfunc[123]:	QScrollView::setCornerWidget(QWidget*)
vfunc[124]:	QScrollView::setDragAutoScroll(bool)
vfunc[125]:	QScrollView::resizeContents(int, int)
vfunc[126]:	QScrollView::setContentsPos(int, int)
vfunc[127]:	QGridView::drawContents(QPainter

	*, int, int, int, int)
vfunc[128]:	QScrollView::drawContentsOffset(QPainter*, int, int, int, int, int, int)
vfunc[129]:	QScrollView::contentsMousePressEvent(QMouseEvent*)
vfunc[130]:	QScrollView::contentsMouseReleaseEvent(QMouseEvent*)
vfunc[131]:	QScrollView::contentsMouseDoubleClickEvent(QMouseEvent*)
vfunc[132]:	QScrollView::contentsMouseMoveEvent(QMouseEvent*)
vfunc[133]:	QScrollView::contentsDragEnterEvent(QDragEnterEvent*)
vfunc[134]:	QScrollView::contentsDragMoveEvent(QDragMoveEvent*)
vfunc[135]:	QScrollView::contentsDragLeaveEvent(QDragLeaveEvent*)
vfunc[136]:	QScrollView::contentsDropEvent(QDropEvent*)
vfunc[137]:	QScrollView::contentsWheelEvent(QWheelEvent*)
vfunc[138]:	QScrollView::contentsContextMenuEvent(QContextMenuEvent*)
vfunc[139]:	QScrollView::viewportPaintEvent(QPaintEvent*)
vfunc[140]:	QScrollView::viewportResizeEvent(QResizeEvent*)
vfunc[141]:	QScrollView::viewportMousePressEvent(QMouseEvent*)
vfunc[142]:	QScrollView::viewportMouseReleaseEvent(QMouseEvent*)
vfunc[143]:	QScrollView::viewportMouseDoubleClickEvent(QMouseEvent*)
vfunc[144]:	QScrollView::viewportMouseMoveEvent(QMouseEvent*)
vfunc[145]:	QScrollView::viewportDragEnterEvent(QDragEnterEvent*)
vfunc[146]:	QScrollView::viewportDragMoveEvent(QDragMoveEvent*)
vfunc[147]:	QScrollView::viewportDragLeaveEvent(QDragLeaveEvent*)
vfunc[148]:	QScrollView::viewportDropEvent(Q

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	DropEvent*)
vfunc[149]:	QScrollView::viewportWheelEvent(QWheelEvent*)
vfunc[150]:	QScrollView::viewportContextMenuEvent(QContextMenuEvent*)
vfunc[151]:	QScrollView::setMargins(int, int, int, int)
vfunc[152]:	QScrollView::setHBarGeometry(QScrollBar&, int, int, int, int)
vfunc[153]:	QScrollView::setVBarGeometry(QScrollBar&, int, int, int, int)
vfunc[154]:	QGridView::setNumRows(int)
vfunc[155]:	QGridView::setNumCols(int)
vfunc[156]:	QGridView::setCellWidth(int)
vfunc[157]:	QGridView::setCellHeight(int)
vfunc[158]:	__cxa_pure_virtual
vfunc[159]:	QGridView::paintEmptyArea(QPainter*, int, int, int, int)
vfunc[160]:	QGridView::dimensionChange(int, int)

The Run Time Type Information for the QGridView class is described by Table 13-79

Table 13-79 typeinfo for QGridView

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QGridView
basetype:	typeinfo for QScrollView

13.2.1.40 Class data for QBoxLayout

The virtual table for the QBoxLayout class is described by Table 13-80

Table 13-80 Primary vtable for QBoxLayout

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QBoxLayout
vfunc[0]:	QBoxLayout::metaObject() const
vfunc[1]:	QBoxLayout::className() const
vfunc[2]:	QBoxLayout::qt_cast(char const*)
vfunc[3]:	QBoxLayout::qt_invoke(int,

	QUObject*)
vfunc[4]:	QBoxLayout::qt_emit(int, QUObject*)
vfunc[5]:	QBoxLayout::qt_property(int, int, QVariant*)
vfunc[6]:	QBoxLayout::~QBoxLayout()
vfunc[7]:	QBoxLayout::~QBoxLayout()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QLayout::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QLayout::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QLayout::setMargin(int)
vfunc[22]:	QLayout::setSpacing(int)
vfunc[23]:	QLayout::setMenuBar(QMenuBar*)
vfunc[24]:	QLayout::setAutoAdd(bool)
vfunc[25]:	QBoxLayout::invalidate()
vfunc[26]:	QLayout::geometry() const
vfunc[27]:	QBoxLayout::addItem(QLayoutItem*)
vfunc[28]:	QBoxLayout::expanding() const
vfunc[29]:	QBoxLayout::minimumSize() const
vfunc[30]:	QBoxLayout::maximumSize() const
vfunc[31]:	QBoxLayout::setGeometry(QRect const&)

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vfunc[32]:	QBoxLayout::iterator()
vfunc[33]:	QLayout::isEmpty() const
vfunc[34]:	QLayout::layout()
vfunc[35]:	QBoxLayout::sizeHint() const
vfunc[36]:	QBoxLayout::hasHeightForWidth() const
vfunc[37]:	QBoxLayout::heightForWidth(int) const

The Run Time Type Information for the QBoxLayout class is described by Table 13-81

Table 13-81 typeinfo for QBoxLayout

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QBoxLayout
basetype:	typeinfo for QLayout

13.2.1.41 Class data for QIMEvent

The virtual table for the QIMEvent class is described by Table 13-82

Table 13-82 Primary vtable for QIMEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QIMEvent
vfunc[0]:	QIMEvent::~QIMEvent()
vfunc[1]:	QIMEvent::~QIMEvent()

The Run Time Type Information for the QIMEvent class is described by Table 13-83

Table 13-83 typeinfo for QIMEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QIMEvent
basetype:	typeinfo for QEvent

13.2.1.42 Class data for QLayout

The virtual table for the QLayout class is described by Table 13-84

Table 13-84 Primary vtable for QLayout

Base Offset	0

Virtual Base Offset	0
RTTI	typeinfo for QLayout
vfunc[0]:	QLayout::metaObject() const
vfunc[1]:	QLayout::className() const
vfunc[2]:	QLayout::qt_cast(char const*)
vfunc[3]:	QLayout::qt_invoke(int, QUObject*)
vfunc[4]:	QLayout::qt_emit(int, QUObject*)
vfunc[5]:	QLayout::qt_property(int, int, QVariant*)
vfunc[6]:	QLayout::~QLayout()
vfunc[7]:	QLayout::~QLayout()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QLayout::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QLayout::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QLayout::setMargin(int)
vfunc[22]:	QLayout::setSpacing(int)
vfunc[23]:	QLayout::setMenuBar(QMenuBar*)
vfunc[24]:	QLayout::setAutoAdd(bool)
vfunc[25]:	QLayout::invalidate()
vfunc[26]:	QLayout::geometry() const
vfunc[27]:	__cxa_pure_virtual
vfunc[28]:	QLayout::expanding() const

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vfunc[29]:	QLayout::minimumSize() const
vfunc[30]:	QLayout::maximumSize() const
vfunc[31]:	__cxa_pure_virtual
vfunc[32]:	__cxa_pure_virtual
vfunc[33]:	QLayout::isEmpty() const
vfunc[34]:	QLayout::layout()

The Run Time Type Information for the QLayout class is described by Table 13-85

Table 13-85 typeinfo for QLayout

Base Vtable	vtable for __cxxabiv1::__vmi_class_type_info	
Name	typeinfo name for QLayout	
flags:	0	
basetype:	typeinfo for QObject	2
basetype:	typeinfo for QLayoutItem	10242

13.2.1.43 Class data for QSocketNotifier

The virtual table for the QSocketNotifier class is described by Table 13-86

Table 13-86 Primary vtable for QSocketNotifier

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSocketNotifier
vfunc[0]:	QSocketNotifier::metaObject() const
vfunc[1]:	QSocketNotifier::className() const
vfunc[2]:	QSocketNotifier::qt_cast(char const*)
vfunc[3]:	QSocketNotifier::qt_invoke(int, QUObject*)
vfunc[4]:	QSocketNotifier::qt_emit(int, QUObject*)
vfunc[5]:	QSocketNotifier::qt_property(int, int, QVariant*)
vfunc[6]:	QSocketNotifier::~QSocketNotifier()
vfunc[7]:	QSocketNotifier::~QSocketNotifier()
vfunc[8]:	QSocketNotifier::event(QEvent*)

vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QSocketNotifier::setEnabled(bool)

The Run Time Type Information for the QSocketNotifier class is described by Table 13-87

Table 13-87 typeinfo for QSocketNotifier

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSocketNotifier
basetype:	typeinfo for QObject

13.2.1.44 Class data for QButton

The virtual table for the QButton class is described by Table 13-88

Table 13-88 Primary vtable for QButton

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QButton
vfunc[0]:	QButton::metaObject() const
vfunc[1]:	QButton::className() const
vfunc[2]:	QButton::qt_cast(char const*)
vfunc[3]:	QButton::qt_invoke(int, QUObject*)
vfunc[4]:	QButton::qt_emit(int, QUObject*)

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vfunc[5]:	QButton::qt_property(int, int, QVariant*)
vfunc[6]:	QButton::~QButton()
vfunc[7]:	QButton::~QButton()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)

vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPi xmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::F ocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QWidget::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const

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vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QButton::mousePressEvent(QMouseEvent*)
vfunc[70]:	QButton::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QButton::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QButton::keyPressEvent(QKeyEvent*)
vfunc[75]:	QButton::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QButton::focusInEvent(QFocusEvent*)
vfunc[77]:	QButton::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QButton::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QWidget::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEve

	nt*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QButton::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QButton::setText(QString const&)
vfunc[111]:	QButton::setPixmap(QPixmap const&)
vfunc[112]:	QButton::setAccel(QKeySequence const&)
vfunc[113]:	QButton::setDown(bool)

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vfunc[114]:	QButton::setAutoRepeat(bool)
vfunc[115]:	QButton::setToggleType(QButton::ToggleType)
vfunc[116]:	QButton::setState(QButton::ToggleState)
vfunc[117]:	QButton::hitButton(QPoint const&) const
vfunc[118]:	QButton::drawButton(QPainter*)
vfunc[119]:	QButton::drawButtonLabel(QPainter*)
vfunc[120]:	QButton::setGroup(QButtonGroup*)

The Run Time Type Information for the QButton class is described by Table 13-89

Table 13-89 typeinfo for QButton

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QButton
basetype:	typeinfo for QWidget

13.2.1.45 Class data for QIntValidator

The virtual table for the QIntValidator class is described by Table 13-90

Table 13-90 Primary vtable for QIntValidator

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QIntValidator
vfunc[0]:	QIntValidator::metaObject() const
vfunc[1]:	QIntValidator::className() const
vfunc[2]:	QIntValidator::qt_cast(char const*)
vfunc[3]:	QIntValidator::qt_invoke(int, QUObject*)
vfunc[4]:	QIntValidator::qt_emit(int, QUObject*)
vfunc[5]:	QIntValidator::qt_property(int, int, QVariant*)
vfunc[6]:	QIntValidator::~QIntValidator()
vfunc[7]:	QIntValidator::~QIntValidator()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*,

	QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QIntValidator::validate(QString&, int&) const
vfunc[22]:	QValidator::fixup(QString&) const
vfunc[23]:	QIntValidator::setRange(int, int)

The Run Time Type Information for the QIntValidator class is described by Table 13-91

Table 13-91 typeinfo for QIntValidator

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QIntValidator
basetype:	typeinfo for QValidator

13.2.1.46 Class data for QWizard

The virtual table for the QWizard class is described by Table 13-92

Table 13-92 Primary vtable for QWizard

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QWizard
vfunc[0]:	QWizard::metaObject() const
vfunc[1]:	QWizard::className() const
vfunc[2]:	QWizard::qt_cast(char const*)

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vfunc[3]:	QWizard::qt_invoke(int, QUObject*)
vfunc[4]:	QWizard::qt_emit(int, QUObject*)
vfunc[5]:	QWizard::qt_property(int, int, QVariant*)
vfunc[6]:	QWizard::~QWizard()
vfunc[7]:	QWizard::~QWizard()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QWizard::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColo r(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixm

	ap(QPixmap const&)
vfunc[31]:	QWizard::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPi xmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::F ocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWizard::show()
vfunc[48]:	QDialog::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QDialog::move(int, int)
vfunc[54]:	QDialog::resize(int, int)
vfunc[55]:	QDialog::setGeometry(int, int, int, int)
vfunc[56]:	QDialog::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QDialog::sizeHint() const
vfunc[59]:	QDialog::minimumSizeHint() const

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vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QDialog::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QDialog::resizeEvent(QResizeEvent*)
vfunc[83]:	QDialog::closeEvent(QCloseEvent*)
vfunc[84]:	QDialog::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEve

	nt*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QDialog::done(int)
vfunc[111]:	QDialog::accept()
vfunc[112]:	QDialog::reject()
vfunc[113]:	QWizard::addPage(QWidget*, QString const&)
vfunc[114]:	QWizard::insertPage(QWidget*,

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	QString const&, int)
vfunc[115]:	QWizard::removePage(QWidget*)
vfunc[116]:	QWizard::showPage(QWidget*)
vfunc[117]:	QWizard::appropriate(QWidget*) const
vfunc[118]:	QWizard::setAppropriate(QWidget*, bool)
vfunc[119]:	QWizard::setBackEnabled(QWidget*, bool)
vfunc[120]:	QWizard::setNextEnabled(QWidget*, bool)
vfunc[121]:	QWizard::setFinishEnabled(QWidget *, bool)
vfunc[122]:	QWizard::setHelpEnabled(QWidget* , bool)
vfunc[123]:	QWizard::setFinish(QWidget*, bool)
vfunc[124]:	QWizard::back()
vfunc[125]:	QWizard::next()
vfunc[126]:	QWizard::help()
vfunc[127]:	QWizard::layOutButtonRow(QHBox Layout*)
vfunc[128]:	QWizard::layOutTitleRow(QHBoxLa yout*, QString const&)

The Run Time Type Information for the QWizard class is described by Table 13-93

Table 13-93 typeinfo for QWizard

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QWizard
basetype:	typeinfo for QDialog

13.2.1.47 Class data for QCanvasPolygonalItem

The virtual table for the QCanvasPolygonalItem class is described by Table 13-94

Table 13-94 Primary vtable for QCanvasPolygonalItem

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QCanvasPolygonalItem

vfunc[0]:	QCanvasPolygonalItem::~QCanvasPolygonalItem()
vfunc[1]:	QCanvasPolygonalItem::~QCanvasPolygonalItem()
vfunc[2]:	QCanvasItem::moveBy(double, double)
vfunc[3]:	QCanvasItem::setAnimated(bool)
vfunc[4]:	QCanvasItem::setVelocity(double, double)
vfunc[5]:	QCanvasItem::advance(int)
vfunc[6]:	QCanvasPolygonalItem::collidesWith(QCanvasItem const*) const
vfunc[7]:	QCanvasItem::setCanvas(QCanvas*)
vfunc[8]:	QCanvasPolygonalItem::draw(QPainter&)
vfunc[9]:	QCanvasItem::setVisible(bool)
vfunc[10]:	QCanvasItem::setSelected(bool)
vfunc[11]:	QCanvasItem::setEnabled(bool)
vfunc[12]:	QCanvasItem::setActive(bool)
vfunc[13]:	QCanvasPolygonalItem::rtti() const
vfunc[14]:	QCanvasPolygonalItem::boundingRect() const
vfunc[15]:	QCanvasItem::boundingRectAdvanced() const
vfunc[16]:	QCanvasPolygonalItem::chunks() const
vfunc[17]:	QCanvasItem::addToChunks()
vfunc[18]:	QCanvasItem::removeFromChunks()
vfunc[19]:	QCanvasItem::changeChunks()
vfunc[20]:	QCanvasPolygonalItem::collidesWith(QCanvasSprite const*, QCanvasPolygonalItem const*, QCanvasRectangle const*, QCanvasEllipse const*, QCanvasText const*) const
vfunc[21]:	QCanvasPolygonalItem::setPen(QPen)
vfunc[22]:	QCanvasPolygonalItem::setBrush(QBrush)
vfunc[23]:	__cxa_pure_virtual

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vfunc[24]:	QCanvasPolygonalItem::areaPointsAdvanced() const
vfunc[25]:	__cxa_pure_virtual

The Run Time Type Information for the QCanvasPolygonalItem class is described by Table 13-95

Table 13-95 typeinfo for QCanvasPolygonalItem

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QCanvasPolygonalItem
basetype:	typeinfo for QCanvasItem

13.2.1.48 Class data for QSqlSelectCursor

The virtual table for the QSqlSelectCursor class is described by Table 13-96

Table 13-96 Primary vtable for QSqlSelectCursor

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSqlSelectCursor
vfunc[0]:	QSqlSelectCursor::~QSqlSelectCursor()
vfunc[1]:	QSqlSelectCursor::~QSqlSelectCursor()
vfunc[2]:	QSqlCursor::value(int) const
vfunc[3]:	QSqlCursor::value(QString const&) const
vfunc[4]:	QSqlCursor::setValue(int, QVariant const&)
vfunc[5]:	QSqlCursor::setValue(QString const&, QVariant const&)
vfunc[6]:	QSqlSelectCursor::setGenerated(QString const&, bool)
vfunc[7]:	QSqlSelectCursor::setGenerated(int, bool)
vfunc[8]:	QSqlRecord::setNull(int)
vfunc[9]:	QSqlRecord::setNull(QString const&)
vfunc[10]:	QSqlCursor::append(QSqlField const&)
vfunc[11]:	QSqlCursor::insert(int, QSqlField const&)

vfunc[12]:	QSqlSelectCursor::remove(int)
vfunc[13]:	QSqlSelectCursor::clear()
vfunc[14]:	QSqlRecord::clearValues(bool)
vfunc[15]:	QSqlSelectCursor::toString(QString const&, QString const&) const
vfunc[16]:	QSqlRecord::toStringList(QString const&) const
vfunc[17]:	QSqlSelectCursor::primaryIndex(bool) const
vfunc[18]:	QSqlSelectCursor::index(QStringList const&) const
vfunc[19]:	QSqlSelectCursor::setPrimaryIndex(QSqlIndex const&)
vfunc[20]:	QSqlSelectCursor::append(QSqlFieldInfo const&)
vfunc[21]:	QSqlSelectCursor::insert(int, QSqlFieldInfo const&)
vfunc[22]:	QSqlSelectCursor::editBuffer(bool)
vfunc[23]:	QSqlSelectCursor::primeInsert()
vfunc[24]:	QSqlSelectCursor::primeUpdate()
vfunc[25]:	QSqlSelectCursor::primeDelete()
vfunc[26]:	QSqlSelectCursor::insert(bool)
vfunc[27]:	QSqlSelectCursor::update(bool)
vfunc[28]:	QSqlSelectCursor::del(bool)
vfunc[29]:	QSqlSelectCursor::setMode(int)
vfunc[30]:	QSqlCursor::setCalculated(QString const&, bool)
vfunc[31]:	QSqlCursor::setTrimmed(QString const&, bool)
vfunc[32]:	QSqlSelectCursor::select(QString const&, QSqlIndex const&)
vfunc[33]:	QSqlSelectCursor::setSort(QSqlIndex const&)
vfunc[34]:	QSqlSelectCursor::setFilter(QString const&)
vfunc[35]:	QSqlSelectCursor::setName(QString const&, bool)
vfunc[36]:	QSqlCursor::afterSeek()
vfunc[37]:	QSqlSelectCursor::exec(QString

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	const&)
vfunc[38]:	QSqlCursor::calculateField(QString const&)
vfunc[39]:	QSqlCursor::update(QString const&, bool)
vfunc[40]:	QSqlCursor::del(QString const&, bool)
vfunc[41]:	QSqlCursor::toString(QString const&, QSqlField*, QString const&) const
vfunc[42]:	QSqlCursor::toString(QSqlRecord*, QString const&, QString const&, QString const&) const
vfunc[43]:	QSqlCursor::toString(QSqlIndex const&, QSqlRecord*, QString const&, QString const&, QString const&) const

The Run Time Type Information for the QSqlSelectCursor class is described by Table 13-97

Table 13-97 typeinfo for QSqlSelectCursor

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSqlSelectCursor
basetype:	typeinfo for QSqlCursor

13.2.1.49 Class data for QTabWidget

The virtual table for the QTabWidget class is described by Table 13-98

Table 13-98 Primary vtable for QTabWidget

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTabWidget
vfunc[0]:	QTabWidget::metaObject() const
vfunc[1]:	QTabWidget::className() const
vfunc[2]:	QTabWidget::qt_cast(char const*)
vfunc[3]:	QTabWidget::qt_invoke(int, QUObject*)
vfunc[4]:	QTabWidget::qt_emit(int, QUObject*)
vfunc[5]:	QTabWidget::qt_property(int, int, QVariant*)

vfunc[6]:	QTabWidget::~QTabWidget()
vfunc[7]:	QTabWidget::~QTabWidget()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QTabWidget::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)

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vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPi xmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::F ocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QTabWidget::sizeHint() const
vfunc[59]:	QTabWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)

vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QTabWidget::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)

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vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QTabWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QTabWidget::updateMask()
vfunc[97]:	QTabWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QTabWidget::addTab(QWidget*, QString const&)
vfunc[111]:	QTabWidget::addTab(QWidget*, QIconSet const&, QString const&)
vfunc[112]:	QTabWidget::addTab(QWidget*, QTab*)
vfunc[113]:	QTabWidget::insertTab(QWidget*,

	QString const&, int)
vfunc[114]:	QTabWidget::insertTab(QWidget*, QIconSet const&, QString const&, int)
vfunc[115]:	QTabWidget::insertTab(QWidget*, QTab*, int)
vfunc[116]:	QTabWidget::showPage(QWidget*)
vfunc[117]:	QTabWidget::removePage(QWidget*)

The Run Time Type Information for the QTabWidget class is described by Table 13-99

Table 13-99 typeinfo for QTabWidget

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QTabWidget
basetype:	typeinfo for QWidget

13.2.1.50 Class data for QDomElement

The virtual table for the QDomElement class is described by Table 13-100

Table 13-100 Primary vtable for QDomElement

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDomElement
vfunc[0]:	QDomElement::~QDomElement()
vfunc[1]:	QDomElement::~QDomElement()
vfunc[2]:	QDomNode::insertBefore(QDomNod e const&, QDomNode const&)
vfunc[3]:	QDomNode::insertAfter(QDomNode const&, QDomNode const&)
vfunc[4]:	QDomNode::replaceChild(QDomNo de const&, QDomNode const&)
vfunc[5]:	QDomNode::removeChild(QDomNo de const&)
vfunc[6]:	QDomNode::appendChild(QDomNo de const&)
vfunc[7]:	QDomNode::hasChildNodes() const
vfunc[8]:	QDomNode::cloneNode(bool) const
vfunc[9]:	QDomNode::normalize()

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vfunc[10]:	QDomNode::isSupported(QString const&, QString const&) const
vfunc[11]:	QDomNode::nodeName() const
vfunc[12]:	QDomElement::nodeType() const
vfunc[13]:	QDomNode::parentNode() const
vfunc[14]:	QDomNode::childNodes() const
vfunc[15]:	QDomNode::firstChild() const
vfunc[16]:	QDomNode::lastChild() const
vfunc[17]:	QDomNode::previousSibling() const
vfunc[18]:	QDomNode::nextSibling() const
vfunc[19]:	QDomElement::attributes() const
vfunc[20]:	QDomNode::ownerDocument() const
vfunc[21]:	QDomNode::namespaceURI() const
vfunc[22]:	QDomNode::localName() const
vfunc[23]:	QDomNode::hasAttributes() const
vfunc[24]:	QDomNode::nodeValue() const
vfunc[25]:	QDomNode::setNodeValue(QString const&)
vfunc[26]:	QDomNode::prefix() const
vfunc[27]:	QDomNode::setPrefix(QString const&)
vfunc[28]:	QDomNode::isAttr() const
vfunc[29]:	QDomNode::isCDATASection() const
vfunc[30]:	QDomNode::isDocumentFragment() const
vfunc[31]:	QDomNode::isDocument() const
vfunc[32]:	QDomNode::isDocumentType() const
vfunc[33]:	QDomElement::isElement() const
vfunc[34]:	QDomNode::isEntityReference() const
vfunc[35]:	QDomNode::isText() const
vfunc[36]:	QDomNode::isEntity() const
vfunc[37]:	QDomNode::isNotation() const
vfunc[38]:	QDomNode::isProcessingInstruction() const

vfunc[39]:	QDomNode::isCharacterData() const
vfunc[40]:	QDomNode::isComment() const
vfunc[41]:	QDomElement::elementsByTagName (QString const&) const
vfunc[42]:	QDomElement::elementsByTagName NS(QString const&, QString const&) const

The Run Time Type Information for the QDomElement class is described by Table 13-101

Table 13-101 typeinfo for QDomElement

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDomElement
basetype:	typeinfo for QDomNode

13.2.1.51 Class data for QSqlDriver

The virtual table for the QSqlDriver class is described by Table 13-102

Table 13-102 Primary vtable for QSqlDriver

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSqlDriver
vfunc[0]:	QSqlDriver::metaObject() const
vfunc[1]:	QSqlDriver::className() const
vfunc[2]:	QSqlDriver::qt_cast(char const*)
vfunc[3]:	QSqlDriver::qt_invoke(int, QUObject*)
vfunc[4]:	QSqlDriver::qt_emit(int, QUObject*)
vfunc[5]:	QSqlDriver::qt_property(int, int, QVariant*)
vfunc[6]:	QSqlDriver::~QSqlDriver()
vfunc[7]:	QSqlDriver::~QSqlDriver()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)

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vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QSqlDriver::beginTransaction()
vfunc[22]:	QSqlDriver::commitTransaction()
vfunc[23]:	QSqlDriver::rollbackTransaction()
vfunc[24]:	QSqlDriver::tables(QString const&) const
vfunc[25]:	QSqlDriver::primaryIndex(QString const&) const
vfunc[26]:	QSqlDriver::record(QString const&) const
vfunc[27]:	QSqlDriver::record(QSqlQuery const&) const
vfunc[28]:	QSqlDriver::recordInfo(QString const&) const
vfunc[29]:	QSqlDriver::recordInfo(QSqlQuery const&) const
vfunc[30]:	QSqlDriver::nullText() const
vfunc[31]:	QSqlDriver::formatValue(QSqlField const*, bool) const
vfunc[32]:	__cxa_pure_virtual
vfunc[33]:	__cxa_pure_virtual
vfunc[34]:	__cxa_pure_virtual
vfunc[35]:	__cxa_pure_virtual
vfunc[36]:	QSqlDriver::setOpen(bool)
vfunc[37]:	QSqlDriver::setOpenError(bool)
vfunc[38]:	QSqlDriver::setLastError(QSqlError const&)

The Run Time Type Information for the QSqlDriver class is described by Table 13-103

Table 13-103 typeinfo for QSqlDriver

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSqlDriver
basetype:	typeinfo for QObject

13.2.1.52 Class data for QTableItem

The virtual table for the QTableItem class is described by Table 13-104

Table 13-104 Primary vtable for QTableItem

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTableItem
vfunc[0]:	QTableItem::~QTableItem()
vfunc[1]:	QTableItem::~QTableItem()
vfunc[2]:	QTableItem::pixmap() const
vfunc[3]:	QTableItem::text() const
vfunc[4]:	QTableItem::setPixmap(QPixmap const&)
vfunc[5]:	QTableItem::setText(QString const&)
vfunc[6]:	QTableItem::alignment() const
vfunc[7]:	QTableItem::setWordWrap(bool)
vfunc[8]:	QTableItem::createEditor() const
vfunc[9]:	QTableItem::setContentFromEditor(QWidget*)
vfunc[10]:	QTableItem::setReplaceable(bool)
vfunc[11]:	QTableItem::key() const
vfunc[12]:	QTableItem::sizeHint() const
vfunc[13]:	QTableItem::setSpan(int, int)
vfunc[14]:	QTableItem::setRow(int)
vfunc[15]:	QTableItem::setCol(int)
vfunc[16]:	QTableItem::paint(QPainter*, QColorGroup const&, QRect const&, bool)
vfunc[17]:	QTableItem::setEnabled(bool)
vfunc[18]:	QTableItem::rtti() const

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The Run Time Type Information for the QTableItem class is described by Table 13-105

Table 13-105 typeinfo for QTableItem

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QTableItem
basetype:	typeinfo for Qt

13.2.1.53 Class data for QDomImplementation

The virtual table for the QDomImplementation class is described by Table 13-106

Table 13-106 Primary vtable for QDomImplementation

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDomImplementation
vfunc[0]:	QDomImplementation::~QDomImplementation()
vfunc[1]:	QDomImplementation::~QDomImplementation()
vfunc[2]:	QDomImplementation::hasFeature(QString const&, QString const&)
vfunc[3]:	QDomImplementation::createDocumentType(QString const&, QString const&, QString const&)
vfunc[4]:	QDomImplementation::createDocument(QString const&, QString const&, QDomDocumentType const&)

The Run Time Type Information for the QDomImplementation class is described by Table 13-107

Table 13-107 typeinfo for QDomImplementation

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QDomImplementation

13.2.1.54 Class data for QGPlugin

The virtual table for the QGPlugin class is described by Table 13-108

Table 13-108 Primary vtable for QGPlugin

Base Offset	0

Virtual Base Offset	0
RTTI	typeinfo for QGPlugin
vfunc[0]:	QGPlugin::metaObject() const
vfunc[1]:	QGPlugin::className() const
vfunc[2]:	QGPlugin::qt_cast(char const*)
vfunc[3]:	QGPlugin::qt_invoke(int, QUObject*)
vfunc[4]:	QGPlugin::qt_emit(int, QUObject*)
vfunc[5]:	QGPlugin::qt_property(int, int, QVariant*)
vfunc[6]:	QGPlugin::~QGPlugin()
vfunc[7]:	QGPlugin::~QGPlugin()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

The Run Time Type Information for the QGPlugin class is described by Table 13-109

Table 13-109 typeinfo for QGPlugin

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QGPlugin
basetype:	typeinfo for QObject

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13.2.1.55 Class data for QGb18030Codec

The virtual table for the QGb18030Codec class is described by Table 13-110

Table 13-110 Primary vtable for QGb18030Codec

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QGb18030Codec
vfunc[0]:	QGb18030Codec::~QGb18030Codec()
vfunc[1]:	QGb18030Codec::~QGb18030Codec()
vfunc[2]:	QGb18030Codec::name() const
vfunc[3]:	QTextCodec::mimeName() const
vfunc[4]:	QGb18030Codec::mibEnum() const
vfunc[5]:	QGb18030Codec::makeDecoder() const
vfunc[6]:	QTextCodec::makeEncoder() const
vfunc[7]:	QGb18030Codec::toUnicode(char const*, int) const
vfunc[8]:	QGb18030Codec::fromUnicode(QString const&, int&) const
vfunc[9]:	QTextCodec::canEncode(QChar) const
vfunc[10]:	QTextCodec::canEncode(QString const&) const
vfunc[11]:	QGb18030Codec::heuristicContentMatch(char const*, int) const
vfunc[12]:	QGb18030Codec::heuristicNameMatch(char const*) const
vfunc[13]:	QTextCodec::fromUnicode(QString const&, int, int) const
vfunc[14]:	QTextCodec::characterFromUnicode(QString const&, int) const

The Run Time Type Information for the QGb18030Codec class is described by Table 13-111

Table 13-111 typeinfo for QGb18030Codec

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QGb18030Codec
basetype:	typeinfo for QTextCodec

13.2.1.56 Class data for QGList

The virtual table for the QGList class is described by Table 13-112

Table 13-112 Primary vtable for QGList

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QGList
vfunc[0]:	QGList::count() const
vfunc[1]:	QGList::clear()
vfunc[2]:	QGList::~QGList()
vfunc[3]:	QGList::~QGList()
vfunc[4]:	QPtrCollection::newItem(void*)
vfunc[5]:	__cxa_pure_virtual
vfunc[6]:	QGList::compareItems(void*, void*)
vfunc[7]:	QGList::read(QDataStream&, void*&)
vfunc[8]:	QGList::write(QDataStream&, void*) const

The Run Time Type Information for the QGList class is described by Table 13-113

Table 13-113 typeinfo for QGList

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QGList
basetype:	typeinfo for QPtrCollection

13.2.1.57 Class data for QDataPump

The virtual table for the QDataPump class is described by Table 13-114

Table 13-114 Primary vtable for QDataPump

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDataPump
vfunc[0]:	QDataPump::metaObject() const
vfunc[1]:	QDataPump::className() const
vfunc[2]:	QDataPump::qt_cast(char const*)
vfunc[3]:	QDataPump::qt_invoke(int, QUObject*)

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vfunc[4]:	QDataPump::qt_emit(int, QUObject*)
vfunc[5]:	QDataPump::qt_property(int, int, QVariant*)
vfunc[6]:	QDataPump::~QDataPump()
vfunc[7]:	QDataPump::~QDataPump()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

The Run Time Type Information for the QDataPump class is described by Table 13-115

Table 13-115 typeinfo for QDataPump

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDataPump
basetype:	typeinfo for QObject

13.2.1.58 Class data for QPaintDevice

The virtual table for the QPaintDevice class is described by Table 13-116

Table 13-116 Primary vtable for QPaintDevice

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QPaintDevice

vfunc[0]:	QPaintDevice::~QPaintDevice()
vfunc[1]:	QPaintDevice::~QPaintDevice()
vfunc[2]:	QPaintDevice::setResolution(int)
vfunc[3]:	QPaintDevice::resolution() const
vfunc[4]:	QPaintDevice::handle() const
vfunc[5]:	QPaintDevice::x11RenderHandle() const
vfunc[6]:	QPaintDevice::setX11Data(QPaintDeviceX11Data const*)
vfunc[7]:	QPaintDevice::cmd(int, QPainter*, QPDevCmdParam*)
vfunc[8]:	QPaintDevice::metric(int) const
vfunc[9]:	QPaintDevice::fontMet(QFont*, int, char const*, int) const
vfunc[10]:	QPaintDevice::fontInf(QFont*, int) const

The Run Time Type Information for the QPaintDevice class is described by Table 13-117

Table 13-117 typeinfo for QPaintDevice

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QPaintDevice

13.2.1.59 Class data for QCheckTableItem

The virtual table for the QCheckTableItem class is described by Table 13-118

Table 13-118 Primary vtable for QCheckTableItem

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QCheckTableItem
vfunc[0]:	QCheckTableItem::~QCheckTableItem()
vfunc[1]:	QCheckTableItem::~QCheckTableItem()
vfunc[2]:	QTableItem::pixmap() const
vfunc[3]:	QTableItem::text() const
vfunc[4]:	QTableItem::setPixmap(QPixmap const&)
vfunc[5]:	QCheckTableItem::setText(QString

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	const&)
vfunc[6]:	QTableItem::alignment() const
vfunc[7]:	QTableItem::setWordWrap(bool)
vfunc[8]:	QCheckTableItem::createEditor() const
vfunc[9]:	QCheckTableItem::setContentFromEditor(QWidget*)
vfunc[10]:	QTableItem::setReplaceable(bool)
vfunc[11]:	QTableItem::key() const
vfunc[12]:	QCheckTableItem::sizeHint() const
vfunc[13]:	QTableItem::setSpan(int, int)
vfunc[14]:	QTableItem::setRow(int)
vfunc[15]:	QTableItem::setCol(int)
vfunc[16]:	QCheckTableItem::paint(QPainter*, QColorGroup const&, QRect const&, bool)
vfunc[17]:	QTableItem::setEnabled(bool)
vfunc[18]:	QCheckTableItem::rtti() const
vfunc[19]:	QCheckTableItem::setChecked(bool)

The Run Time Type Information for the QCheckTableItem class is described by Table 13-119

Table 13-119 typeinfo for QCheckTableItem

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QCheckTableItem
basetype:	typeinfo for QTableItem

13.2.1.60 Class data for QCommonStyle

The virtual table for the QCommonStyle class is described by Table 13-120

Table 13-120 Primary vtable for QCommonStyle

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QCommonStyle
vfunc[0]:	QCommonStyle::metaObject() const
vfunc[1]:	QCommonStyle::className() const
vfunc[2]:	QCommonStyle::qt_cast(char const*)
vfunc[3]:	QCommonStyle::qt_invoke(int,

	QUObject*)
vfunc[4]:	QCommonStyle::qt_emit(int, QUObject*)
vfunc[5]:	QCommonStyle::qt_property(int, int, QVariant*)
vfunc[6]:	QCommonStyle::~QCommonStyle()
vfunc[7]:	QCommonStyle::~QCommonStyle()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QStyle::polish(QWidget*)
vfunc[22]:	QStyle::unPolish(QWidget*)
vfunc[23]:	QStyle::polish(QApplication*)
vfunc[24]:	QStyle::unPolish(QApplication*)
vfunc[25]:	QStyle::polish(QPalette&)
vfunc[26]:	__cxa_pure_virtual
vfunc[27]:	QStyle::itemRect(QPainter*, QRect const&, int, bool, QPixmap const*, QString const&, int) const
vfunc[28]:	QStyle::drawItem(QPainter*, QRect const&, int, QColorGroup const&, bool, QPixmap const*, QString const&, int, QColor const*) const
vfunc[29]:	QCommonStyle::drawPrimitive(QSty

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	le::PrimitiveElement, QPainter*, QRect const&, QColorGroup const&, unsigned int, QStyleOption const&) const
vfunc[30]:	QCommonStyle::drawControl(QStyle::ControlElement, QPainter*, QWidget const*, QRect const&, QColorGroup const&, unsigned int, QStyleOption const&) const
vfunc[31]:	QCommonStyle::drawControlMask(QStyle::ControlElement, QPainter*, QWidget const*, QRect const&, QStyleOption const&) const
vfunc[32]:	QCommonStyle::subRect(QStyle::SubRect, QWidget const*) const
vfunc[33]:	QCommonStyle::drawComplexControl(QStyle::ComplexControl, QPainter*, QWidget const*, QRect const&, QColorGroup const&, unsigned int, unsigned int, unsigned int, QStyleOption const&) const
vfunc[34]:	QCommonStyle::drawComplexControlMask(QStyle::ComplexControl, QPainter*, QWidget const*, QRect const&, QStyleOption const&) const
vfunc[35]:	QCommonStyle::querySubControlMetrics(QStyle::ComplexControl, QWidget const*, QStyle::SubControl, QStyleOption const&) const
vfunc[36]:	QCommonStyle::querySubControl(QStyle::ComplexControl, QWidget const*, QPoint const&, QStyleOption const&) const
vfunc[37]:	QCommonStyle::pixelMetric(QStyle::PixelMetric, QWidget const*) const
vfunc[38]:	QCommonStyle::sizeFromContents(QStyle::ContentsType, QWidget const*, QSize const&, QStyleOption const&) const
vfunc[39]:	QCommonStyle::styleHint(QStyle::StyleHint, QWidget const*, QStyleOption const&, QStyleHintReturn*) const
vfunc[40]:	QCommonStyle::stylePixmap(QStyle::StylePixmap, QWidget const*, QStyleOption const&) const

The Run Time Type Information for the QCommonStyle class is described by Table 13-121

Table 13-121 typeinfo for QCommonStyle

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QCommonStyle
basetype:	typeinfo for QStyle

13.2.1.61 Class data for QTextView

The virtual table for the QTextView class is described by Table 13-122

Table 13-122 Primary vtable for QTextView

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTextView
vfunc[0]:	QTextView::metaObject() const
vfunc[1]:	QTextView::className() const
vfunc[2]:	QTextView::qt_cast(char const*)
vfunc[3]:	QTextView::qt_invoke(int, QUObject*)
vfunc[4]:	QTextView::qt_emit(int, QUObject*)
vfunc[5]:	QTextView::qt_property(int, int, QVariant*)
vfunc[6]:	QTextView::~QTextView()
vfunc[7]:	QTextView::~QTextView()
vfunc[8]:	QTextEdit::event(QEvent*)
vfunc[9]:	QTextEdit::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QScrollView::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)

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vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QTextEdit::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QTextEdit::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QTextEdit::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()

vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QScrollView::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QTextEdit::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QScrollView::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QTextEdit::sizeHint() const
vfunc[59]:	QScrollView::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QTextEdit::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QScrollView::mousePressEvent(QMouseEvent*)
vfunc[70]:	QScrollView::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QScrollView::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QScrollView::mouseMoveEvent(QM

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	ouseEvent*)
vfunc[73]:	QScrollView::wheelEvent(QWheelEvent*)
vfunc[74]:	QTextEdit::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QTextEdit::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QScrollView::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QTextEdit::imStartEvent(QIMEvent*)
vfunc[86]:	QTextEdit::imComposeEvent(QIMEvent*)
vfunc[87]:	QTextEdit::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QScrollView::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)

vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QScrollView::fontChange(QFont const&)
vfunc[101]:	QTextEdit::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QTextEdit::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QTextEdit::drawContents(QPainter*)
vfunc[117]:	QScrollView::frameChanged()
vfunc[118]:	QScrollView::setResizePolicy(QScrollView::ResizePolicy)
vfunc[119]:	QScrollView::addChild(QWidget*, int, int)
vfunc[120]:	QScrollView::moveChild(QWidget*, int, int)
vfunc[121]:	QScrollView::setVScrollBarMode(QScrollView::ScrollBarMode)
vfunc[122]:	QScrollView::setHScrollBarMode(QScrollView::ScrollBarMode)
vfunc[123]:	QScrollView::setCornerWidget(QWidget*)
vfunc[124]:	QScrollView::setDragAutoScroll(bool

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	)
vfunc[125]:	QScrollView::resizeContents(int, int)
vfunc[126]:	QScrollView::setContentsPos(int, int)
vfunc[127]:	QTextEdit::drawContents(QPainter*, int, int, int, int)
vfunc[128]:	QScrollView::drawContentsOffset(QPainter*, int, int, int, int, int, int)
vfunc[129]:	QTextEdit::contentsMousePressEvent(QMouseEvent*)
vfunc[130]:	QTextEdit::contentsMouseReleaseEvent(QMouseEvent*)
vfunc[131]:	QTextEdit::contentsMouseDoubleClickEvent(QMouseEvent*)
vfunc[132]:	QTextEdit::contentsMouseMoveEvent(QMouseEvent*)
vfunc[133]:	QTextEdit::contentsDragEnterEvent(QDragEnterEvent*)
vfunc[134]:	QTextEdit::contentsDragMoveEvent(QDragMoveEvent*)
vfunc[135]:	QTextEdit::contentsDragLeaveEvent(QDragLeaveEvent*)
vfunc[136]:	QTextEdit::contentsDropEvent(QDropEvent*)
vfunc[137]:	QTextEdit::contentsWheelEvent(QWheelEvent*)
vfunc[138]:	QTextEdit::contentsContextMenuEvent(QContextMenuEvent*)
vfunc[139]:	QScrollView::viewportPaintEvent(QPaintEvent*)
vfunc[140]:	QTextEdit::viewportResizeEvent(QResizeEvent*)
vfunc[141]:	QScrollView::viewportMousePressEvent(QMouseEvent*)
vfunc[142]:	QScrollView::viewportMouseReleaseEvent(QMouseEvent*)
vfunc[143]:	QScrollView::viewportMouseDoubleClickEvent(QMouseEvent*)
vfunc[144]:	QScrollView::viewportMouseMoveEvent(QMouseEvent*)
vfunc[145]:	QScrollView::viewportDragEnterEvent(QDragEnterEvent*)

vfunc[146]:	QScrollView::viewportDragMoveEvent(QDragMoveEvent*)
vfunc[147]:	QScrollView::viewportDragLeaveEvent(QDragLeaveEvent*)
vfunc[148]:	QScrollView::viewportDropEvent(QDropEvent*)
vfunc[149]:	QScrollView::viewportWheelEvent(QWheelEvent*)
vfunc[150]:	QScrollView::viewportContextMenuEvent(QContextMenuEvent*)
vfunc[151]:	QScrollView::setMargins(int, int, int, int)
vfunc[152]:	QScrollView::setHBarGeometry(QScrollBar&, int, int, int, int)
vfunc[153]:	QScrollView::setVBarGeometry(QScrollBar&, int, int, int, int)
vfunc[154]:	QTextEdit::find(QString const&, bool, bool, bool, int*, int*)
vfunc[155]:	QTextEdit::getFormat(int, int, QFont*, QColor*, QTextEdit::VerticalAlignment*)
vfunc[156]:	QTextEdit::getParagraphFormat(int, QFont*, QColor*, QTextEdit::VerticalAlignment*, int*, QStyleSheetItem::DisplayMode*, QStyleSheetItem::ListStyle*, int*)
vfunc[157]:	QTextEdit::setMimeSourceFactory(QMimeSourceFactory*)
vfunc[158]:	QTextEdit::setStyleSheet(QStyleSheet*)
vfunc[159]:	QTextEdit::scrollToAnchor(QString const&)
vfunc[160]:	QTextEdit::setPaper(QBrush const&)
vfunc[161]:	QTextEdit::setLinkUnderline(bool)
vfunc[162]:	QTextEdit::setWordWrap(QTextEdit::WordWrap)
vfunc[163]:	QTextEdit::setWrapColumnOrWidth(int)
vfunc[164]:	QTextEdit::setWrapPolicy(QTextEdit::WrapPolicy)
vfunc[165]:	QTextEdit::copy()
vfunc[166]:	QTextEdit::append(QString const&)

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vfunc[167]:	QTextEdit::setText(QString const&, QString const&)
vfunc[168]:	QTextEdit::setTextFormat(Qt::TextFo rmat)
vfunc[169]:	QTextEdit::selectAll(bool)
vfunc[170]:	QTextEdit::setTabStopWidth(int)
vfunc[171]:	QTextEdit::zoomIn(int)
vfunc[172]:	QTextEdit::zoomIn()
vfunc[173]:	QTextEdit::zoomOut(int)
vfunc[174]:	QTextEdit::zoomOut()
vfunc[175]:	QTextEdit::zoomTo(int)
vfunc[176]:	QTextEdit::sync()
vfunc[177]:	QTextEdit::setReadOnly(bool)
vfunc[178]:	QTextEdit::undo()
vfunc[179]:	QTextEdit::redo()
vfunc[180]:	QTextEdit::cut()
vfunc[181]:	QTextEdit::paste()
vfunc[182]:	QTextEdit::pasteSubType(QCString const&)
vfunc[183]:	QTextEdit::clear()
vfunc[184]:	QTextEdit::del()
vfunc[185]:	QTextEdit::indent()
vfunc[186]:	QTextEdit::setItalic(bool)
vfunc[187]:	QTextEdit::setBold(bool)
vfunc[188]:	QTextEdit::setUnderline(bool)
vfunc[189]:	QTextEdit::setFamily(QString const&)
vfunc[190]:	QTextEdit::setPointSize(int)
vfunc[191]:	QTextEdit::setColor(QColor const&)
vfunc[192]:	QTextEdit::setVerticalAlignment(QT extEdit::VerticalAlignment)
vfunc[193]:	QTextEdit::setAlignment(int)
vfunc[194]:	QTextEdit::setParagType(QStyleShee tItem::DisplayMode, QStyleSheetItem::ListStyle)
vfunc[195]:	QTextEdit::setCursorPosition(int, int)
vfunc[196]:	QTextEdit::setSelection(int, int, int,

	int, int)
vfunc[197]:	QTextEdit::setSelectionAttributes(int, QColor const&, bool)
vfunc[198]:	QTextEdit::setModified(bool)
vfunc[199]:	QTextEdit::resetFormat()
vfunc[200]:	QTextEdit::setUndoDepth(int)
vfunc[201]:	QTextEdit::setFormat(QTextFormat*, int)
vfunc[202]:	QTextEdit::ensureCursorVisible()
vfunc[203]:	QTextEdit::placeCursor(QPoint const&, QTextCursor*)
vfunc[204]:	QTextEdit::moveCursor(QTextEdit::CursorAction, bool)
vfunc[205]:	QTextEdit::doKeyboardAction(QTextEdit::KeyboardAction)
vfunc[206]:	QTextEdit::removeSelectedText(int)
vfunc[207]:	QTextEdit::removeSelection(int)
vfunc[208]:	QTextEdit::setCurrentFont(QFont const&)
vfunc[209]:	QTextEdit::setOverwriteMode(bool)
vfunc[210]:	QTextEdit::scrollToBottom()
vfunc[211]:	QTextEdit::insert(QString const&, bool, bool, bool)
vfunc[212]:	QTextEdit::insertAt(QString const&, int, int)
vfunc[213]:	QTextEdit::removeParagraph(int)
vfunc[214]:	QTextEdit::insertParagraph(QString const&, int)
vfunc[215]:	QTextEdit::setParagraphBackgroundColor(int, QColor const&)
vfunc[216]:	QTextEdit::clearParagraphBackground(int)
vfunc[217]:	QTextEdit::setUndoRedoEnabled(bool)
vfunc[218]:	QTextEdit::createPopupMenu(QPoint const&)
vfunc[219]:	QTextEdit::createPopupMenu()
vfunc[220]:	QTextEdit::doChangeInterval()
vfunc[221]:	QTextEdit::linksEnabled() const

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vfunc[222]:	QTextEdit::emitHighlighted(QString const&)
vfunc[223]:	QTextEdit::emitLinkClicked(QString const&)

The Run Time Type Information for the QTextView class is described by Table 13-123

Table 13-123 typeinfo for QTextView

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QTextView
basetype:	typeinfo for QTextEdit

13.2.1.62 Class data for QSyntaxHighlighter

The virtual table for the QSyntaxHighlighter class is described by Table 13-124

Table 13-124 Primary vtable for QSyntaxHighlighter

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSyntaxHighlighter
vfunc[0]:	QSyntaxHighlighter::~QSyntaxHighlighter()
vfunc[1]:	QSyntaxHighlighter::~QSyntaxHighlighter()
vfunc[2]:	__cxa_pure_virtual

The Run Time Type Information for the QSyntaxHighlighter class is described by Table 13-125

Table 13-125 typeinfo for QSyntaxHighlighter

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSyntaxHighlighter
basetype:	typeinfo for Qt

13.2.1.63 Class data for QSemiModal

The virtual table for the QSemiModal class is described by Table 13-126

Table 13-126 Primary vtable for QSemiModal

Base Offset	0
Virtual Base Offset	0

RTTI	typeinfo for QSemiModal
vfunc[0]:	QSemiModal::metaObject() const
vfunc[1]:	QSemiModal::className() const
vfunc[2]:	QSemiModal::qt_cast(char const*)
vfunc[3]:	QSemiModal::qt_invoke(int, QUObject*)
vfunc[4]:	QSemiModal::qt_emit(int, QUObject*)
vfunc[5]:	QSemiModal::qt_property(int, int, QVariant*)
vfunc[6]:	QSemiModal::~QSemiModal()
vfunc[7]:	QSemiModal::~QSemiModal()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QDialog::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)

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vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QDialog::show()
vfunc[48]:	QDialog::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QDialog::move(int, int)
vfunc[54]:	QDialog::resize(int, int)
vfunc[55]:	QDialog::setGeometry(int, int, int,

	int)
vfunc[56]:	QDialog::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QDialog::sizeHint() const
vfunc[59]:	QDialog::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QDialog::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QDialog::resizeEvent(QResizeEvent*)

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vfunc[83]:	QDialog::closeEvent(QCloseEvent*)
vfunc[84]:	QDialog::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QDialog::done(int)

vfunc[111]:	QDialog::accept()
vfunc[112]:	QDialog::reject()

The Run Time Type Information for the QSemiModal class is described by Table 13-127

Table 13-127 typeinfo for QSemiModal

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSemiModal
basetype:	typeinfo for QDialog

13.2.1.64 Class data for QTab

The virtual table for the QTab class is described by Table 13-128

Table 13-128 Primary vtable for QTab

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTab
vfunc[0]:	QTab::~QTab()
vfunc[1]:	QTab::~QTab()

The Run Time Type Information for the QTab class is described by Table 13-129

Table 13-129 typeinfo for QTab

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QTab
basetype:	typeinfo for Qt

13.2.1.65 Class data for QPolygonScanner

The virtual table for the QPolygonScanner class is described by Table 13-130

Table 13-130 Primary vtable for QPolygonScanner

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QPolygonScanner
vfunc[0]:	__cxa_pure_virtual

The Run Time Type Information for the QPolygonScanner class is described by Table 13-131

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Table 13-131 typeinfo for QPolygonScanner

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QPolygonScanner

13.2.1.66 Class data for QNetworkProtocol

The virtual table for the QNetworkProtocol class is described by Table 13-132

Table 13-132 Primary vtable for QNetworkProtocol

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QNetworkProtocol
vfunc[0]:	QNetworkProtocol::metaObject() const
vfunc[1]:	QNetworkProtocol::className() const
vfunc[2]:	QNetworkProtocol::qt_cast(char const*)
vfunc[3]:	QNetworkProtocol::qt_invoke(int, QUObject*)
vfunc[4]:	QNetworkProtocol::qt_emit(int, QUObject*)
vfunc[5]:	QNetworkProtocol::qt_property(int, int, QVariant*)
vfunc[6]:	QNetworkProtocol::~QNetworkProtocol()
vfunc[7]:	QNetworkProtocol::~QNetworkProtocol()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve

	nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QNetworkProtocol::setUrl(QUrlOperator*)
vfunc[22]:	QNetworkProtocol::setAutoDelete(bool, int)
vfunc[23]:	QNetworkProtocol::supportedOperations() const
vfunc[24]:	QNetworkProtocol::addOperation(QNetworkOperation*)
vfunc[25]:	QNetworkProtocol::clearOperationQueue()
vfunc[26]:	QNetworkProtocol::stop()
vfunc[27]:	QNetworkProtocol::processOperation(QNetworkOperation*)
vfunc[28]:	QNetworkProtocol::operationListChildren(QNetworkOperation*)
vfunc[29]:	QNetworkProtocol::operationMkDir(QNetworkOperation*)
vfunc[30]:	QNetworkProtocol::operationRemove(QNetworkOperation*)
vfunc[31]:	QNetworkProtocol::operationRename(QNetworkOperation*)
vfunc[32]:	QNetworkProtocol::operationGet(QNetworkOperation*)
vfunc[33]:	QNetworkProtocol::operationPut(QNetworkOperation*)
vfunc[34]:	QNetworkProtocol::operationPutChunk(QNetworkOperation*)
vfunc[35]:	QNetworkProtocol::checkConnection(QNetworkOperation*)

The Run Time Type Information for the QNetworkProtocol class is described by Table 13-133

Table 13-133 typeinfo for QNetworkProtocol

Base Vtable	vtable for __cxxabiv1::__si_class_type_info

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Name	typeinfo name for QNetworkProtocol
basetype:	typeinfo for QObject

13.2.1.67 Class data for QObjectUserData

The virtual table for the QObjectUserData class is described by Table 13-134

Table 13-134 Primary vtable for QObjectUserData

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QObjectUserData
vfunc[0]:	QObjectUserData::~QObjectUserDat a()
vfunc[1]:	QObjectUserData::~QObjectUserDat a()

The Run Time Type Information for the QObjectUserData class is described by Table 13-135

Table 13-135 typeinfo for QObjectUserData

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QObjectUserData

13.2.1.68 Class data for QRangeControl

The virtual table for the QRangeControl class is described by Table 13-136

Table 13-136 Primary vtable for QRangeControl

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QRangeControl
vfunc[0]:	QRangeControl::~QRangeControl()
vfunc[1]:	QRangeControl::~QRangeControl()
vfunc[2]:	QRangeControl::valueChange()
vfunc[3]:	QRangeControl::rangeChange()
vfunc[4]:	QRangeControl::stepChange()

The Run Time Type Information for the QRangeControl class is described by Table 13-137

Table 13-137 typeinfo for QRangeControl

Base Vtable	vtable for __cxxabiv1::__class_type_info

Name	typeinfo name for QRangeControl

13.2.1.69 Class data for QHGroupBox

The virtual table for the QHGroupBox class is described by Table 13-138

Table 13-138 Primary vtable for QHGroupBox

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QHGroupBox
vfunc[0]:	QHGroupBox::metaObject() const
vfunc[1]:	QHGroupBox::className() const
vfunc[2]:	QHGroupBox::qt_cast(char const*)
vfunc[3]:	QHGroupBox::qt_invoke(int, QUObject*)
vfunc[4]:	QHGroupBox::qt_emit(int, QUObject*)
vfunc[5]:	QHGroupBox::qt_property(int, int, QVariant*)
vfunc[6]:	QHGroupBox::~QHGroupBox()
vfunc[7]:	QHGroupBox::~QHGroupBox()
vfunc[8]:	QGroupBox::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QGroupBox::childEvent(QChildEven t*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

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vfunc[21]:	QGroupBox::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()

vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QGroupBox::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEve

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	nt*)
vfunc[76]:	QGroupBox::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QGroupBox::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QGroupBox::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QFrame::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QGroupBox::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(

	bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QFrame::drawContents(QPainter*)
vfunc[117]:	QFrame::frameChanged()
vfunc[118]:	QGroupBox::setColumnLayout(int, Qt::Orientation)
vfunc[119]:	QGroupBox::setTitle(QString const&)
vfunc[120]:	QGroupBox::setAlignment(int)

The Run Time Type Information for the QHGroupBox class is described by Table 13-139

Table 13-139 typeinfo for QHGroupBox

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QHGroupBox
basetype:	typeinfo for QGroupBox

13.2.1.70 Class data for QTimerEvent

The virtual table for the QTimerEvent class is described by Table 13-140

Table 13-140 Primary vtable for QTimerEvent

Base Offset	0
Virtual Base Offset	0

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RTTI	typeinfo for QTimerEvent
vfunc[0]:	QTimerEvent::~QTimerEvent()
vfunc[1]:	QTimerEvent::~QTimerEvent()

The Run Time Type Information for the QTimerEvent class is described by Table 13-141

Table 13-141 typeinfo for QTimerEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QTimerEvent
basetype:	typeinfo for QEvent

13.2.1.71 Class data for QHeader

The virtual table for the QHeader class is described by Table 13-142

Table 13-142 Primary vtable for QHeader

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QHeader
vfunc[0]:	QHeader::metaObject() const
vfunc[1]:	QHeader::className() const
vfunc[2]:	QHeader::qt_cast(char const*)
vfunc[3]:	QHeader::qt_invoke(int, QUObject*)
vfunc[4]:	QHeader::qt_emit(int, QUObject*)
vfunc[5]:	QHeader::qt_property(int, int, QVariant*)
vfunc[6]:	QHeader::~QHeader()
vfunc[7]:	QHeader::~QHeader()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)

vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)

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vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QHeader::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QHeader::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QHeader::mousePressEvent(QMouseEvent*)
vfunc[70]:	QHeader::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QHeader::mouseDoubleClickEvent(

	QMouseEvent*)
vfunc[72]:	QHeader::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QHeader::keyPressEvent(QKeyEvent*)
vfunc[75]:	QHeader::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QHeader::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QHeader::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QHeader::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()

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vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QHeader::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QHeader::setLabel(int, QString const&, int)
vfunc[111]:	QHeader::setLabel(int, QIconSet const&, QString const&, int)
vfunc[112]:	QHeader::setOrientation(Qt::Orientation)
vfunc[113]:	QHeader::setTracking(bool)
vfunc[114]:	QHeader::setClickEnabled(bool, int)
vfunc[115]:	QHeader::setResizeEnabled(bool, int)
vfunc[116]:	QHeader::setMovingEnabled(bool)
vfunc[117]:	QHeader::setStretchEnabled(bool, int)
vfunc[118]:	QHeader::setCellSize(int, int)
vfunc[119]:	QHeader::moveCell(int, int)
vfunc[120]:	QHeader::setOffset(int)
vfunc[121]:	QHeader::paintSection(QPainter*, int, QRect const&)
vfunc[122]:	QHeader::paintSectionLabel(QPainter*, int, QRect const&)

The Run Time Type Information for the QHeader class is described by Table 13-143

Table 13-143 typeinfo for QHeader

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QHeader
basetype:	typeinfo for QWidget

13.2.1.72 Class data for QGbkCodec

The virtual table for the QGbkCodec class is described by Table 13-144

Table 13-144 Primary vtable for QGbkCodec

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QGbkCodec
vfunc[0]:	QGbkCodec::~QGbkCodec()
vfunc[1]:	QGbkCodec::~QGbkCodec()
vfunc[2]:	QGbkCodec::name() const
vfunc[3]:	QTextCodec::mimeName() const
vfunc[4]:	QGbkCodec::mibEnum() const
vfunc[5]:	QGbkCodec::makeDecoder() const
vfunc[6]:	QTextCodec::makeEncoder() const
vfunc[7]:	QGbkCodec::toUnicode(char const*, int) const
vfunc[8]:	QGbkCodec::fromUnicode(QString const&, int&) const
vfunc[9]:	QTextCodec::canEncode(QChar) const
vfunc[10]:	QTextCodec::canEncode(QString const&) const
vfunc[11]:	QGbkCodec::heuristicContentMatch(char const*, int) const
vfunc[12]:	QGbkCodec::heuristicNameMatch(char const*) const
vfunc[13]:	QTextCodec::fromUnicode(QString const&, int, int) const
vfunc[14]:	QTextCodec::characterFromUnicode(QString const&, int) const

The Run Time Type Information for the QGbkCodec class is described by Table 13-145

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Table 13-145 typeinfo for QGbkCodec

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QGbkCodec
basetype:	typeinfo for QGb18030Codec

13.2.1.73 Class data for QSplashScreen

The virtual table for the QSplashScreen class is described by Table 13-146

Table 13-146 Primary vtable for QSplashScreen

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSplashScreen
vfunc[0]:	QSplashScreen::metaObject() const
vfunc[1]:	QSplashScreen::className() const
vfunc[2]:	QSplashScreen::qt_cast(char const*)
vfunc[3]:	QSplashScreen::qt_invoke(int, QUObject*)
vfunc[4]:	QSplashScreen::qt_emit(int, QUObject*)
vfunc[5]:	QSplashScreen::qt_property(int, int, QVariant*)
vfunc[6]:	QSplashScreen::~QSplashScreen()
vfunc[7]:	QSplashScreen::~QSplashScreen()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char

	const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)

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vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QWidget::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QSplashScreen::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent

	*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QWidget::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(

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	bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QSplashScreen::drawContents(QPainter*)

The Run Time Type Information for the QSplashScreen class is described by Table 13-147

Table 13-147 typeinfo for QSplashScreen

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSplashScreen
basetype:	typeinfo for QWidget

13.2.1.74 Class data for QMutex

The virtual table for the QMutex class is described by Table 13-148

Table 13-148 Primary vtable for QMutex

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QMutex
vfunc[0]:	QMutex::~QMutex()
vfunc[1]:	QMutex::~QMutex()

The Run Time Type Information for the QMutex class is described by Table 13-149

Table 13-149 typeinfo for QMutex

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QMutex

13.2.1.75 Class data for QSqlPropertyMap

The virtual table for the QSqlPropertyMap class is described by Table 13-150

Table 13-150 Primary vtable for QSqlPropertyMap

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSqlPropertyMap
vfunc[0]:	QSqlPropertyMap::~QSqlPropertyMap()
vfunc[1]:	QSqlPropertyMap::~QSqlPropertyMap()
vfunc[2]:	QSqlPropertyMap::setProperty(QWidget*, QVariant const&)

The Run Time Type Information for the QSqlPropertyMap class is described by Table 13-151

Table 13-151 typeinfo for QSqlPropertyMap

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QSqlPropertyMap

13.2.1.76 Class data for QKeyEvent

The virtual table for the QKeyEvent class is described by Table 13-152

Table 13-152 Primary vtable for QKeyEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QKeyEvent
vfunc[0]:	QKeyEvent::~QKeyEvent()
vfunc[1]:	QKeyEvent::~QKeyEvent()

The Run Time Type Information for the QKeyEvent class is described by Table 13-153

Table 13-153 typeinfo for QKeyEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QKeyEvent
basetype:	typeinfo for QEvent

13.2.1.77 Class data for QGCache

The virtual table for the QGCache class is described by Table 13-154

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Table 13-154 Primary vtable for QGCache

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QGCache
vfunc[0]:	QGCache::count() const
vfunc[1]:	QGCache::clear()
vfunc[2]:	QGCache::~QGCache()
vfunc[3]:	QGCache::~QGCache()
vfunc[4]:	QPtrCollection::newItem(void*)
vfunc[5]:	__cxa_pure_virtual

The Run Time Type Information for the QGCache class is described by Table 13-155

Table 13-155 typeinfo for QGCache

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QGCache
basetype:	typeinfo for QPtrCollection

13.2.1.78 Class data for QDial

The virtual table for the QDial class is described by Table 13-156

Table 13-156 Primary vtable for QDial

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDial
vfunc[0]:	QDial::metaObject() const
vfunc[1]:	QDial::className() const
vfunc[2]:	QDial::qt_cast(char const*)
vfunc[3]:	QDial::qt_invoke(int, QUObject*)
vfunc[4]:	QDial::qt_emit(int, QUObject*)
vfunc[5]:	QDial::qt_property(int, int, QVariant*)
vfunc[6]:	QDial::~QDial()
vfunc[7]:	QDial::~QDial()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)

vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColo r(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixm ap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)

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vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QDial::sizeHint() const
vfunc[59]:	QDial::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)

vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QDial::mousePressEvent(QMouseEvent*)
vfunc[70]:	QDial::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QDial::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QDial::wheelEvent(QWheelEvent*)
vfunc[74]:	QDial::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QDial::focusInEvent(QFocusEvent*)
vfunc[77]:	QDial::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QDial::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QDial::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)

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vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QDial::setNotchTarget(double)
vfunc[111]:	QDial::setValue(int)
vfunc[112]:	QDial::setNotchesVisible(bool)
vfunc[113]:	QDial::setWrapping(bool)
vfunc[114]:	QDial::setTracking(bool)
vfunc[115]:	QDial::valueChange()
vfunc[116]:	QDial::rangeChange()
vfunc[117]:	QDial::repaintScreen(QRect const*)

The Run Time Type Information for the QDial class is described by Table 13-157

Table 13-157 typeinfo for QDial

Base Vtable	vtable for __cxxabiv1::__vmi_class_type_info	
Name	typeinfo name for QDial	

flags:	0	
basetype:	typeinfo for QWidget	2
basetype:	typeinfo for QRangeControl	29698

13.2.1.79 Class data for QUrl

The virtual table for the QUrl class is described by Table 13-158

Table 13-158 Primary vtable for QUrl

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QUrl
vfunc[0]:	QUrl::~QUrl()
vfunc[1]:	QUrl::~QUrl()
vfunc[2]:	QUrl::setProtocol(QString const&)
vfunc[3]:	QUrl::setUser(QString const&)
vfunc[4]:	QUrl::setPassword(QString const&)
vfunc[5]:	QUrl::setHost(QString const&)
vfunc[6]:	QUrl::setPort(int)
vfunc[7]:	QUrl::setPath(QString const&)
vfunc[8]:	QUrl::setEncodedPathAndQuery(QSt ring const&)
vfunc[9]:	QUrl::setQuery(QString const&)
vfunc[10]:	QUrl::setRef(QString const&)
vfunc[11]:	QUrl::addPath(QString const&)
vfunc[12]:	QUrl::setFileName(QString const&)
vfunc[13]:	QUrl::toString(bool, bool) const
vfunc[14]:	QUrl::cdUp()
vfunc[15]:	QUrl::reset()
vfunc[16]:	QUrl::parse(QString const&)

The Run Time Type Information for the QUrl class is described by Table 13-159

Table 13-159 typeinfo for QUrl

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QUrl

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13.2.1.80 Class data for QListView

The virtual table for the QListView class is described by Table 13-160

Table 13-160 Primary vtable for QListView

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QListView
vfunc[0]:	QListView::metaObject() const
vfunc[1]:	QListView::className() const
vfunc[2]:	QListView::qt_cast(char const*)
vfunc[3]:	QListView::qt_invoke(int, QUObject*)
vfunc[4]:	QListView::qt_emit(int, QUObject*)
vfunc[5]:	QListView::qt_property(int, int, QVariant*)
vfunc[6]:	QListView::~QListView()
vfunc[7]:	QListView::~QListView()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QListView::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QScrollView::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QScrollView::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)

vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QListView::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QListView::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QListView::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()

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vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QScrollView::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QListView::sizeHint() const
vfunc[59]:	QListView::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QScrollView::mousePressEvent(QMouseEvent*)
vfunc[70]:	QScrollView::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QScrollView::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QScrollView::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QScrollView::wheelEvent(QWheelEvent*)
vfunc[74]:	QListView::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QListView::focusInEvent(QFocusEvent*)

vfunc[77]:	QListView::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QListView::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QScrollView::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QListView::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QListView::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QScrollView::fontChange(QFont const&)
vfunc[101]:	QListView::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool,

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	bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QScrollView::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QScrollView::drawContents(QPainter*)
vfunc[117]:	QScrollView::frameChanged()
vfunc[118]:	QScrollView::setResizePolicy(QScrollView::ResizePolicy)
vfunc[119]:	QScrollView::addChild(QWidget*, int, int)
vfunc[120]:	QScrollView::moveChild(QWidget*, int, int)
vfunc[121]:	QScrollView::setVScrollBarMode(QScrollView::ScrollBarMode)
vfunc[122]:	QScrollView::setHScrollBarMode(QScrollView::ScrollBarMode)
vfunc[123]:	QScrollView::setCornerWidget(QWidget*)
vfunc[124]:	QScrollView::setDragAutoScroll(bool)
vfunc[125]:	QScrollView::resizeContents(int, int)
vfunc[126]:	QListView::setContentsPos(int, int)
vfunc[127]:	QScrollView::drawContents(QPainter*, int, int, int, int)
vfunc[128]:	QListView::drawContentsOffset(QPainter*, int, int, int, int, int, int)

vfunc[129]:	QListView::contentsMousePressEvent(QMouseEvent*)
vfunc[130]:	QListView::contentsMouseReleaseEvent(QMouseEvent*)
vfunc[131]:	QListView::contentsMouseDoubleClickEvent(QMouseEvent*)
vfunc[132]:	QListView::contentsMouseMoveEvent(QMouseEvent*)
vfunc[133]:	QListView::contentsDragEnterEvent(QDragEnterEvent*)
vfunc[134]:	QListView::contentsDragMoveEvent(QDragMoveEvent*)
vfunc[135]:	QListView::contentsDragLeaveEvent(QDragLeaveEvent*)
vfunc[136]:	QListView::contentsDropEvent(QDropEvent*)
vfunc[137]:	QScrollView::contentsWheelEvent(QWheelEvent*)
vfunc[138]:	QListView::contentsContextMenuEvent(QContextMenuEvent*)
vfunc[139]:	QScrollView::viewportPaintEvent(QPaintEvent*)
vfunc[140]:	QListView::viewportResizeEvent(QResizeEvent*)
vfunc[141]:	QScrollView::viewportMousePressEvent(QMouseEvent*)
vfunc[142]:	QScrollView::viewportMouseReleaseEvent(QMouseEvent*)
vfunc[143]:	QScrollView::viewportMouseDoubleClickEvent(QMouseEvent*)
vfunc[144]:	QScrollView::viewportMouseMoveEvent(QMouseEvent*)
vfunc[145]:	QScrollView::viewportDragEnterEvent(QDragEnterEvent*)
vfunc[146]:	QScrollView::viewportDragMoveEvent(QDragMoveEvent*)
vfunc[147]:	QScrollView::viewportDragLeaveEvent(QDragLeaveEvent*)
vfunc[148]:	QScrollView::viewportDropEvent(QDropEvent*)
vfunc[149]:	QScrollView::viewportWheelEvent(QWheelEvent*)

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vfunc[150]:	QScrollView::viewportContextMenuEvent(QContextMenuEvent*)
vfunc[151]:	QScrollView::setMargins(int, int, int, int)
vfunc[152]:	QScrollView::setHBarGeometry(QScrollBar&, int, int, int, int)
vfunc[153]:	QScrollView::setVBarGeometry(QScrollBar&, int, int, int, int)
vfunc[154]:	QListView::setTreeStepSize(int)
vfunc[155]:	QListView::insertItem(QListViewItem*)
vfunc[156]:	QListView::takeItem(QListViewItem*)
vfunc[157]:	QListView::removeItem(QListViewItem*)
vfunc[158]:	QListView::addColumn(QString const&, int)
vfunc[159]:	QListView::addColumn(QIconSet const&, QString const&, int)
vfunc[160]:	QListView::removeColumn(int)
vfunc[161]:	QListView::setColumnText(int, QString const&)
vfunc[162]:	QListView::setColumnText(int, QIconSet const&, QString const&)
vfunc[163]:	QListView::setColumnWidth(int, int)
vfunc[164]:	QListView::setColumnWidthMode(int, QListView::WidthMode)
vfunc[165]:	QListView::setColumnAlignment(int, int)
vfunc[166]:	QListView::setMultiSelection(bool)
vfunc[167]:	QListView::clearSelection()
vfunc[168]:	QListView::setSelected(QListViewItem*, bool)
vfunc[169]:	QListView::setOpen(QListViewItem*, bool)
vfunc[170]:	QListView::setCurrentItem(QListViewItem*)
vfunc[171]:	QListView::setAllColumnsShowFocus(bool)
vfunc[172]:	QListView::setItemMargin(int)
vfunc[173]:	QListView::setRootIsDecorated(bool)

vfunc[174]:	QListView::setSorting(int, bool)
vfunc[175]:	QListView::sort()
vfunc[176]:	QListView::setShowSortIndicator(bool)
vfunc[177]:	QListView::setShowToolTips(bool)
vfunc[178]:	QListView::setResizeMode(QListView::ResizeMode)
vfunc[179]:	QListView::setDefaultRenameAction (QListView::RenameAction)
vfunc[180]:	QListView::clear()
vfunc[181]:	QListView::invertSelection()
vfunc[182]:	QListView::selectAll(bool)
vfunc[183]:	QListView::dragObject()
vfunc[184]:	QListView::startDrag()
vfunc[185]:	QListView::paintEmptyArea(QPainter*, QRect const&)

The Run Time Type Information for the QListView class is described by Table 13-161

Table 13-161 typeinfo for QListView

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QListView
basetype:	typeinfo for QScrollView

13.2.1.81 Class data for QStylePlugin

The virtual table for the QStylePlugin class is described by Table 13-162

Table 13-162 Primary vtable for QStylePlugin

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QStylePlugin
vfunc[0]:	QStylePlugin::metaObject() const
vfunc[1]:	QStylePlugin::className() const
vfunc[2]:	QStylePlugin::qt_cast(char const*)
vfunc[3]:	QStylePlugin::qt_invoke(int, QUObject*)
vfunc[4]:	QStylePlugin::qt_emit(int, QUObject*)

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vfunc[5]:	QStylePlugin::qt_property(int, int, QVariant*)
vfunc[6]:	QStylePlugin::~QStylePlugin()
vfunc[7]:	QStylePlugin::~QStylePlugin()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	__cxa_pure_virtual
vfunc[22]:	__cxa_pure_virtual

The Run Time Type Information for the QStylePlugin class is described by Table 13-163

Table 13-163 typeinfo for QStylePlugin

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QStylePlugin
basetype:	typeinfo for QGPlugin

13.2.1.82 Class data for QFileDialog

The virtual table for the QFileDialog class is described by Table 13-164

Table 13-164 Primary vtable for QFileDialog

Base Offset	0
Virtual Base Offset	0

RTTI	typeinfo for QFileDialog
vfunc[0]:	QFileDialog::metaObject() const
vfunc[1]:	QFileDialog::className() const
vfunc[2]:	QFileDialog::qt_cast(char const*)
vfunc[3]:	QFileDialog::qt_invoke(int, QUObject*)
vfunc[4]:	QFileDialog::qt_emit(int, QUObject*)
vfunc[5]:	QFileDialog::qt_property(int, int, QVariant*)
vfunc[6]:	QFileDialog::~QFileDialog()
vfunc[7]:	QFileDialog::~QFileDialog()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QFileDialog::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap

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	const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QDialog::show()
vfunc[48]:	QDialog::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QDialog::move(int, int)
vfunc[54]:	QDialog::resize(int, int)
vfunc[55]:	QDialog::setGeometry(int, int, int, int)

vfunc[56]:	QDialog::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QDialog::sizeHint() const
vfunc[59]:	QDialog::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QFileDialog::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QFileDialog::resizeEvent(QResizeEvent*)

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vfunc[83]:	QDialog::closeEvent(QCloseEvent*)
vfunc[84]:	QDialog::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFileDialog::done(int)

vfunc[111]:	QDialog::accept()
vfunc[112]:	QDialog::reject()
vfunc[113]:	QFileDialog::setSelectedFilter(QString const&)
vfunc[114]:	QFileDialog::setSelectedFilter(int)

The Run Time Type Information for the QFileDialog class is described by Table 13-165

Table 13-165 typeinfo for QFileDialog

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QFileDialog
basetype:	typeinfo for QDialog

13.2.1.83 Class data for QHButtonGroup

The virtual table for the QHButtonGroup class is described by Table 13-166

Table 13-166 Primary vtable for QHButtonGroup

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QHButtonGroup
vfunc[0]:	QHButtonGroup::metaObject() const
vfunc[1]:	QHButtonGroup::className() const
vfunc[2]:	QHButtonGroup::qt_cast(char const*)
vfunc[3]:	QHButtonGroup::qt_invoke(int, QUObject*)
vfunc[4]:	QHButtonGroup::qt_emit(int, QUObject*)
vfunc[5]:	QHButtonGroup::qt_property(int, int, QVariant*)
vfunc[6]:	QHButtonGroup::~QHButtonGroup()
vfunc[7]:	QHButtonGroup::~QHButtonGroup()
vfunc[8]:	QButtonGroup::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)

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vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QGroupBox::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QGroupBox::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString

	const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QGroupBox::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const

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vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QGroupBox::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QGroupBox::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QGroupBox::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)

vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QFrame::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QGroupBox::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QFrame::drawContents(QPainter*)
vfunc[117]:	QFrame::frameChanged()
vfunc[118]:	QGroupBox::setColumnLayout(int, Qt::Orientation)
vfunc[119]:	QGroupBox::setTitle(QString const&)
vfunc[120]:	QGroupBox::setAlignment(int)
vfunc[121]:	QButtonGroup::setExclusive(bool)
vfunc[122]:	QButtonGroup::setRadioButtonExclu

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	sive(bool)
vfunc[123]:	QButtonGroup::setButton(int)
vfunc[124]:	QButtonGroup::moveFocus(int)

The Run Time Type Information for the QHButtonGroup class is described by Table 13-167

Table 13-167 typeinfo for QHButtonGroup

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QHButtonGroup
basetype:	typeinfo for QButtonGroup

13.2.1.84 Class data for QColorDrag

The virtual table for the QColorDrag class is described by Table 13-168

Table 13-168 Primary vtable for QColorDrag

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QColorDrag
vfunc[0]:	QColorDrag::metaObject() const
vfunc[1]:	QColorDrag::className() const
vfunc[2]:	QColorDrag::qt_cast(char const*)
vfunc[3]:	QColorDrag::qt_invoke(int, QUObject*)
vfunc[4]:	QColorDrag::qt_emit(int, QUObject*)
vfunc[5]:	QColorDrag::qt_property(int, int, QVariant*)
vfunc[6]:	QColorDrag::~QColorDrag()
vfunc[7]:	QColorDrag::~QColorDrag()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)

vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QDragObject::setPixmap(QPixmap)
vfunc[22]:	QDragObject::setPixmap(QPixmap, QPoint const&)
vfunc[23]:	QDragObject::drag(QDragObject::DragMode)
vfunc[24]:	QStoredDrag::setEncodedData(QMemArray<char> const&)
vfunc[25]:	QStoredDrag::format(int) const
vfunc[26]:	QStoredDrag::encodedData(char const*) const

The Run Time Type Information for the QColorDrag class is described by Table 13-169

Table 13-169 typeinfo for QColorDrag

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QColorDrag
basetype:	typeinfo for QStoredDrag

13.2.1.85 Class data for QDesktopWidget

The virtual table for the QDesktopWidget class is described by Table 13-170

Table 13-170 Primary vtable for QDesktopWidget

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDesktopWidget
vfunc[0]:	QDesktopWidget::metaObject() const
vfunc[1]:	QDesktopWidget::className() const
vfunc[2]:	QDesktopWidget::qt_cast(char const*)
vfunc[3]:	QDesktopWidget::qt_invoke(int, QUObject*)

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vfunc[4]:	QDesktopWidget::qt_emit(int, QUObject*)
vfunc[5]:	QDesktopWidget::qt_property(int, int, QVariant*)
vfunc[6]:	QDesktopWidget::~QDesktopWidget ()
vfunc[7]:	QDesktopWidget::~QDesktopWidget ()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QDesktopWidget::insertChild(QObje ct*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColo

	r(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)

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vfunc[58]:	QWidget::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QDesktopWidget::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QCont

	extMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)

The Run Time Type Information for the QDesktopWidget class is described by Table 13-171

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Table 13-171 typeinfo for QDesktopWidget

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDesktopWidget
basetype:	typeinfo for QWidget

13.2.1.86 Class data for QSqlQuery

The virtual table for the QSqlQuery class is described by Table 13-172

Table 13-172 Primary vtable for QSqlQuery

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSqlQuery
vfunc[0]:	QSqlQuery::~QSqlQuery()
vfunc[1]:	QSqlQuery::~QSqlQuery()
vfunc[2]:	QSqlQuery::exec(QString const&)
vfunc[3]:	QSqlQuery::value(int) const
vfunc[4]:	QSqlQuery::seek(int, bool)
vfunc[5]:	QSqlQuery::next()
vfunc[6]:	QSqlQuery::prev()
vfunc[7]:	QSqlQuery::first()
vfunc[8]:	QSqlQuery::last()
vfunc[9]:	QSqlQuery::beforeSeek()
vfunc[10]:	QSqlQuery::afterSeek()

The Run Time Type Information for the QSqlQuery class is described by Table 13-173

Table 13-173 typeinfo for QSqlQuery

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QSqlQuery

13.2.1.87 Class data for QUtf16Codec

The virtual table for the QUtf16Codec class is described by Table 13-174

Table 13-174 Primary vtable for QUtf16Codec

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QUtf16Codec

vfunc[0]:	QUtf16Codec::~QUtf16Codec()
vfunc[1]:	QUtf16Codec::~QUtf16Codec()
vfunc[2]:	QUtf16Codec::name() const
vfunc[3]:	QTextCodec::mimeName() const
vfunc[4]:	QUtf16Codec::mibEnum() const
vfunc[5]:	QUtf16Codec::makeDecoder() const
vfunc[6]:	QUtf16Codec::makeEncoder() const
vfunc[7]:	QTextCodec::toUnicode(char const*, int) const
vfunc[8]:	QTextCodec::fromUnicode(QString const&, int&) const
vfunc[9]:	QTextCodec::canEncode(QChar) const
vfunc[10]:	QTextCodec::canEncode(QString const&) const
vfunc[11]:	QUtf16Codec::heuristicContentMatch(char const*, int) const
vfunc[12]:	QTextCodec::heuristicNameMatch(char const*) const
vfunc[13]:	QTextCodec::fromUnicode(QString const&, int, int) const
vfunc[14]:	QTextCodec::characterFromUnicode(QString const&, int) const

The Run Time Type Information for the QUtf16Codec class is described by Table 13-175

Table 13-175 typeinfo for QUtf16Codec

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QUtf16Codec
basetype:	typeinfo for QTextCodec

13.2.1.88 Class data for QObject

The virtual table for the QObject class is described by Table 13-176

Table 13-176 Primary vtable for QObject

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QObject
vfunc[0]:	QObject::metaObject() const

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vfunc[1]:	QObject::className() const
vfunc[2]:	QObject::qt_cast(char const*)
vfunc[3]:	QObject::qt_invoke(int, QUObject*)
vfunc[4]:	QObject::qt_emit(int, QUObject*)
vfunc[5]:	QObject::qt_property(int, int, QVariant*)
vfunc[6]:	QObject::~QObject()
vfunc[7]:	QObject::~QObject()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

The Run Time Type Information for the QObject class is described by Table 13-177

Table 13-177 typeinfo for QObject

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QObject
basetype:	typeinfo for Qt

13.2.1.89 Class data for QFile

The virtual table for the QFile class is described by Table 13-178

Table 13-178 Primary vtable for QFile

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QFile
vfunc[0]:	QFile::~QFile()
vfunc[1]:	QFile::~QFile()
vfunc[2]:	QFile::open(int)
vfunc[3]:	QFile::close()
vfunc[4]:	QFile::flush()
vfunc[5]:	QFile::size() const
vfunc[6]:	QFile::at() const
vfunc[7]:	QFile::at(unsigned long)
vfunc[8]:	QFile::atEnd() const
vfunc[9]:	QFile::readBlock(char*, unsigned long)
vfunc[10]:	QFile::writeBlock(char const*, unsigned long)
vfunc[11]:	QFile::readLine(char*, unsigned long)
vfunc[12]:	QIODevice::readAll()
vfunc[13]:	QFile::getch()
vfunc[14]:	QFile::putch(int)
vfunc[15]:	QFile::ungetch(int)

The Run Time Type Information for the QFile class is described by Table 13-179

Table 13-179 typeinfo for QFile

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QFile
basetype:	typeinfo for QIODevice

13.2.1.90 Class data for QDomDocumentType

The virtual table for the QDomDocumentType class is described by Table 13-180

Table 13-180 Primary vtable for QDomDocumentType

Base Offset	0
Virtual Base Offset	0

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RTTI	typeinfo for QDomDocumentType
vfunc[0]:	QDomDocumentType::~QDomDocumentType()
vfunc[1]:	QDomDocumentType::~QDomDocumentType()
vfunc[2]:	QDomNode::insertBefore(QDomNode const&, QDomNode const&)
vfunc[3]:	QDomNode::insertAfter(QDomNode const&, QDomNode const&)
vfunc[4]:	QDomNode::replaceChild(QDomNode const&, QDomNode const&)
vfunc[5]:	QDomNode::removeChild(QDomNode const&)
vfunc[6]:	QDomNode::appendChild(QDomNode const&)
vfunc[7]:	QDomNode::hasChildNodes() const
vfunc[8]:	QDomNode::cloneNode(bool) const
vfunc[9]:	QDomNode::normalize()
vfunc[10]:	QDomNode::isSupported(QString const&, QString const&) const
vfunc[11]:	QDomNode::nodeName() const
vfunc[12]:	QDomDocumentType::nodeType() const
vfunc[13]:	QDomNode::parentNode() const
vfunc[14]:	QDomNode::childNodes() const
vfunc[15]:	QDomNode::firstChild() const
vfunc[16]:	QDomNode::lastChild() const
vfunc[17]:	QDomNode::previousSibling() const
vfunc[18]:	QDomNode::nextSibling() const
vfunc[19]:	QDomNode::attributes() const
vfunc[20]:	QDomNode::ownerDocument() const
vfunc[21]:	QDomNode::namespaceURI() const
vfunc[22]:	QDomNode::localName() const
vfunc[23]:	QDomNode::hasAttributes() const
vfunc[24]:	QDomNode::nodeValue() const
vfunc[25]:	QDomNode::setNodeValue(QString const&)

vfunc[26]:	QDomNode::prefix() const
vfunc[27]:	QDomNode::setPrefix(QString const&)
vfunc[28]:	QDomNode::isAttr() const
vfunc[29]:	QDomNode::isCDATASection() const
vfunc[30]:	QDomNode::isDocumentFragment() const
vfunc[31]:	QDomNode::isDocument() const
vfunc[32]:	QDomDocumentType::isDocumentType() const
vfunc[33]:	QDomNode::isElement() const
vfunc[34]:	QDomNode::isEntityReference() const
vfunc[35]:	QDomNode::isText() const
vfunc[36]:	QDomNode::isEntity() const
vfunc[37]:	QDomNode::isNotation() const
vfunc[38]:	QDomNode::isProcessingInstruction() const
vfunc[39]:	QDomNode::isCharacterData() const
vfunc[40]:	QDomNode::isComment() const
vfunc[41]:	QDomDocumentType::name() const
vfunc[42]:	QDomDocumentType::entities() const
vfunc[43]:	QDomDocumentType::notations() const
vfunc[44]:	QDomDocumentType::publicId() const
vfunc[45]:	QDomDocumentType::systemId() const
vfunc[46]:	QDomDocumentType::internalSubset() const

The Run Time Type Information for the QDomDocumentType class is described by Table 13-181

Table 13-181 typeinfo for QDomDocumentType

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDomDocumentType

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basetype:	typeinfo for QDomNode

13.2.1.91 Class data for QListBoxItem

The virtual table for the QListBoxItem class is described by Table 13-182

Table 13-182 Primary vtable for QListBoxItem

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QListBoxItem
vfunc[0]:	QListBoxItem::~QListBoxItem()
vfunc[1]:	QListBoxItem::~QListBoxItem()
vfunc[2]:	QListBoxItem::text() const
vfunc[3]:	QListBoxItem::pixmap() const
vfunc[4]:	QListBoxItem::height(QListBox const*) const
vfunc[5]:	QListBoxItem::width(QListBox const*) const
vfunc[6]:	QListBoxItem::rtti() const
vfunc[7]:	__cxa_pure_virtual
vfunc[8]:	QListBoxItem::setText(QString const&)

The Run Time Type Information for the QListBoxItem class is described by Table 13-183

Table 13-183 typeinfo for QListBoxItem

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QListBoxItem

13.2.1.92 Class data for QDragResponseEvent

The virtual table for the QDragResponseEvent class is described by Table 13-184

Table 13-184 Primary vtable for QDragResponseEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDragResponseEvent
vfunc[0]:	QDragResponseEvent::~QDragRespo nseEvent()
vfunc[1]:	QDragResponseEvent::~QDragRespo nseEvent()

The Run Time Type Information for the QDragResponseEvent class is described by Table 13-185

Table 13-185 typeinfo for QDragResponseEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDragResponseEvent
basetype:	typeinfo for QEvent

13.2.1.93 Class data for QDomDocument

The virtual table for the QDomDocument class is described by Table 13-186

Table 13-186 Primary vtable for QDomDocument

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDomDocument
vfunc[0]:	QDomDocument::~QDomDocument ()
vfunc[1]:	QDomDocument::~QDomDocument ()
vfunc[2]:	QDomNode::insertBefore(QDomNode const&, QDomNode const&)
vfunc[3]:	QDomNode::insertAfter(QDomNode const&, QDomNode const&)
vfunc[4]:	QDomNode::replaceChild(QDomNode const&, QDomNode const&)
vfunc[5]:	QDomNode::removeChild(QDomNode const&)
vfunc[6]:	QDomNode::appendChild(QDomNode const&)
vfunc[7]:	QDomNode::hasChildNodes() const
vfunc[8]:	QDomNode::cloneNode(bool) const
vfunc[9]:	QDomNode::normalize()
vfunc[10]:	QDomNode::isSupported(QString const&, QString const&) const
vfunc[11]:	QDomNode::nodeName() const
vfunc[12]:	QDomDocument::nodeType() const
vfunc[13]:	QDomNode::parentNode() const
vfunc[14]:	QDomNode::childNodes() const
vfunc[15]:	QDomNode::firstChild() const

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vfunc[16]:	QDomNode::lastChild() const
vfunc[17]:	QDomNode::previousSibling() const
vfunc[18]:	QDomNode::nextSibling() const
vfunc[19]:	QDomNode::attributes() const
vfunc[20]:	QDomNode::ownerDocument() const
vfunc[21]:	QDomNode::namespaceURI() const
vfunc[22]:	QDomNode::localName() const
vfunc[23]:	QDomNode::hasAttributes() const
vfunc[24]:	QDomNode::nodeValue() const
vfunc[25]:	QDomNode::setNodeValue(QString const&)
vfunc[26]:	QDomNode::prefix() const
vfunc[27]:	QDomNode::setPrefix(QString const&)
vfunc[28]:	QDomNode::isAttr() const
vfunc[29]:	QDomNode::isCDATASection() const
vfunc[30]:	QDomNode::isDocumentFragment() const
vfunc[31]:	QDomDocument::isDocument() const
vfunc[32]:	QDomNode::isDocumentType() const
vfunc[33]:	QDomNode::isElement() const
vfunc[34]:	QDomNode::isEntityReference() const
vfunc[35]:	QDomNode::isText() const
vfunc[36]:	QDomNode::isEntity() const
vfunc[37]:	QDomNode::isNotation() const
vfunc[38]:	QDomNode::isProcessingInstruction() const
vfunc[39]:	QDomNode::isCharacterData() const
vfunc[40]:	QDomNode::isComment() const

The Run Time Type Information for the QDomDocument class is described by Table 13-187

Table 13-187 typeinfo for QDomDocument

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDomDocument
basetype:	typeinfo for QDomNode

13.2.1.94 Class data for QTextCodecPlugin

The virtual table for the QTextCodecPlugin class is described by Table 13-188

Table 13-188 Primary vtable for QTextCodecPlugin

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTextCodecPlugin
vfunc[0]:	QTextCodecPlugin::metaObject() const
vfunc[1]:	QTextCodecPlugin::className() const
vfunc[2]:	QTextCodecPlugin::qt_cast(char const*)
vfunc[3]:	QTextCodecPlugin::qt_invoke(int, QUObject*)
vfunc[4]:	QTextCodecPlugin::qt_emit(int, QUObject*)
vfunc[5]:	QTextCodecPlugin::qt_property(int, int, QVariant*)
vfunc[6]:	QTextCodecPlugin::~QTextCodecPlugin()
vfunc[7]:	QTextCodecPlugin::~QTextCodecPlugin()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)

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vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	__cxa_pure_virtual
vfunc[22]:	__cxa_pure_virtual
vfunc[23]:	__cxa_pure_virtual
vfunc[24]:	__cxa_pure_virtual

The Run Time Type Information for the QTextCodecPlugin class is described by Table 13-189

Table 13-189 typeinfo for QTextCodecPlugin

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QTextCodecPlugin
basetype:	typeinfo for QGPlugin

13.2.1.95 Class data for QWidgetPlugin

The virtual table for the QWidgetPlugin class is described by Table 13-190

Table 13-190 Primary vtable for QWidgetPlugin

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QWidgetPlugin
vfunc[0]:	QWidgetPlugin::metaObject() const
vfunc[1]:	QWidgetPlugin::className() const
vfunc[2]:	QWidgetPlugin::qt_cast(char const*)
vfunc[3]:	QWidgetPlugin::qt_invoke(int, QUObject*)
vfunc[4]:	QWidgetPlugin::qt_emit(int, QUObject*)
vfunc[5]:	QWidgetPlugin::qt_property(int, int, QVariant*)
vfunc[6]:	QWidgetPlugin::~QWidgetPlugin()
vfunc[7]:	QWidgetPlugin::~QWidgetPlugin()
vfunc[8]:	QObject::event(QEvent*)

vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	__cxa_pure_virtual
vfunc[22]:	__cxa_pure_virtual
vfunc[23]:	QWidgetPlugin::group(QString const&) const
vfunc[24]:	QWidgetPlugin::iconSet(QString const&) const
vfunc[25]:	QWidgetPlugin::includeFile(QString const&) const
vfunc[26]:	QWidgetPlugin::toolTip(QString const&) const
vfunc[27]:	QWidgetPlugin::whatsThis(QString const&) const
vfunc[28]:	QWidgetPlugin::isContainer(QString const&) const

The Run Time Type Information for the QWidgetPlugin class is described by Table 13-191

Table 13-191 typeinfo for QWidgetPlugin

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QWidgetPlugin
basetype:	typeinfo for QGPlugin

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13.2.1.96 Class data for QScrollBar

The virtual table for the QScrollBar class is described by Table 13-192

Table 13-192 Primary vtable for QScrollBar

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QScrollBar
vfunc[0]:	QScrollBar::metaObject() const
vfunc[1]:	QScrollBar::className() const
vfunc[2]:	QScrollBar::qt_cast(char const*)
vfunc[3]:	QScrollBar::qt_invoke(int, QUObject*)
vfunc[4]:	QScrollBar::qt_emit(int, QUObject*)
vfunc[5]:	QScrollBar::qt_property(int, int, QVariant*)
vfunc[6]:	QScrollBar::~QScrollBar()
vfunc[7]:	QScrollBar::~QScrollBar()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)

vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QScrollBar::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()

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vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QScrollBar::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QScrollBar::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QScrollBar::mousePressEvent(QMouseEvent*)
vfunc[70]:	QScrollBar::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QScrollBar::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QScrollBar::wheelEvent(QWheelEvent*)
vfunc[74]:	QScrollBar::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)

vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QScrollBar::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QScrollBar::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QScrollBar::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QScrollBar::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QScrollBar::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)

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vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QScrollBar::setOrientation(Qt::Orientation)
vfunc[111]:	QScrollBar::setTracking(bool)
vfunc[112]:	QScrollBar::valueChange()
vfunc[113]:	QScrollBar::stepChange()
vfunc[114]:	QScrollBar::rangeChange()

The Run Time Type Information for the QScrollBar class is described by Table 13-193

Table 13-193 typeinfo for QScrollBar

Base Vtable	vtable for __cxxabiv1::__vmi_class_type_info	
Name	typeinfo name for QScrollBar	
flags:	0	
basetype:	typeinfo for QWidget	2
basetype:	typeinfo for QRangeControl	29698

13.2.1.97 Class data for QBitmap

The virtual table for the QBitmap class is described by Table 13-194

Table 13-194 Primary vtable for QBitmap

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QBitmap
vfunc[0]:	QBitmap::~QBitmap()
vfunc[1]:	QBitmap::~QBitmap()
vfunc[2]:	QPaintDevice::setResolution(int)
vfunc[3]:	QPaintDevice::resolution() const
vfunc[4]:	QPaintDevice::handle() const

vfunc[5]:	QPaintDevice::x11RenderHandle() const
vfunc[6]:	QPaintDevice::setX11Data(QPaintDeviceX11Data const*)
vfunc[7]:	QPaintDevice::cmd(int, QPainter*, QPDevCmdParam*)
vfunc[8]:	QPixmap::metric(int) const
vfunc[9]:	QPaintDevice::fontMet(QFont*, int, char const*, int) const
vfunc[10]:	QPaintDevice::fontInf(QFont*, int) const
vfunc[11]:	QPixmap::detach()

The Run Time Type Information for the QBitmap class is described by Table 13-195

Table 13-195 typeinfo for QBitmap

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QBitmap
basetype:	typeinfo for QPixmap

13.2.1.98 Class data for QIconFactory

The virtual table for the QIconFactory class is described by Table 13-196

Table 13-196 Primary vtable for QIconFactory

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QIconFactory
vfunc[0]:	QIconFactory::~QIconFactory()
vfunc[1]:	QIconFactory::~QIconFactory()
vfunc[2]:	QIconFactory::createPixmap(QIconSet const&, QIconSet::Size, QIconSet::Mode, QIconSet::State)

The Run Time Type Information for the QIconFactory class is described by Table 13-197

Table 13-197 typeinfo for QIconFactory

Base Vtable	vtable for __cxxabiv1::__vmi_class_type_info	
Name	typeinfo name for	

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	QIconFactory	
flags:	0	
basetype:	typeinfo for QShared	1024

13.2.1.99 Class data for QSpinBox

The virtual table for the QSpinBox class is described by Table 13-198

Table 13-198 Primary vtable for QSpinBox

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSpinBox
vfunc[0]:	QSpinBox::metaObject() const
vfunc[1]:	QSpinBox::className() const
vfunc[2]:	QSpinBox::qt_cast(char const*)
vfunc[3]:	QSpinBox::qt_invoke(int, QUObject*)
vfunc[4]:	QSpinBox::qt_emit(int, QUObject*)
vfunc[5]:	QSpinBox::qt_property(int, int, QVariant*)
vfunc[6]:	QSpinBox::~QSpinBox()
vfunc[7]:	QSpinBox::~QSpinBox()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QSpinBox::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

vfunc[21]:	QSpinBox::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()

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vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QSpinBox::sizeHint() const
vfunc[59]:	QSpinBox::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QSpinBox::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEve

	nt*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent *)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QSpinBox::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QSpinBox::resizeEvent(QResizeEvent *)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QSpinBox::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const

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vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QSpinBox::prefix() const
vfunc[111]:	QSpinBox::suffix() const
vfunc[112]:	QSpinBox::cleanText() const
vfunc[113]:	QSpinBox::setSpecialValueText(QString const&)
vfunc[114]:	QSpinBox::setWrapping(bool)
vfunc[115]:	QSpinBox::setButtonSymbols(QSpinBox::ButtonSymbols)
vfunc[116]:	QSpinBox::setValidator(QValidator const*)
vfunc[117]:	QSpinBox::setValue(int)
vfunc[118]:	QSpinBox::setPrefix(QString const&)
vfunc[119]:	QSpinBox::setSuffix(QString const&)
vfunc[120]:	QSpinBox::stepUp()
vfunc[121]:	QSpinBox::stepDown()
vfunc[122]:	QSpinBox::selectAll()
vfunc[123]:	QSpinBox::mapValueToText(int)
vfunc[124]:	QSpinBox::mapTextToValue(bool*)
vfunc[125]:	QSpinBox::updateDisplay()
vfunc[126]:	QSpinBox::interpretText()
vfunc[127]:	QSpinBox::valueChange()
vfunc[128]:	QSpinBox::rangeChange()

The Run Time Type Information for the QSpinBox class is described by Table 13-199

Table 13-199 typeinfo for QSpinBox

Base Vtable	vtable for __cxxabiv1::__vmi_class_type_info	

Name	typeinfo name for QSpinBox	
flags:	0	
basetype:	typeinfo for QWidget	2
basetype:	typeinfo for QRangeControl	29698

13.2.1.100 Class data for QLibrary

The virtual table for the QLibrary class is described by Table 13-200

Table 13-200 Primary vtable for QLibrary

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QLibrary
vfunc[0]:	QLibrary::~QLibrary()
vfunc[1]:	QLibrary::~QLibrary()
vfunc[2]:	QLibrary::unload()

The Run Time Type Information for the QLibrary class is described by Table 13-201

Table 13-201 typeinfo for QLibrary

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QLibrary

13.2.1.101 Class data for QEucKrCodec

The virtual table for the QEucKrCodec class is described by Table 13-202

Table 13-202 Primary vtable for QEucKrCodec

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QEucKrCodec
vfunc[0]:	QEucKrCodec::~QEucKrCodec()
vfunc[1]:	QEucKrCodec::~QEucKrCodec()
vfunc[2]:	QEucKrCodec::name() const
vfunc[3]:	QEucKrCodec::mimeName() const
vfunc[4]:	QEucKrCodec::mibEnum() const
vfunc[5]:	QEucKrCodec::makeDecoder() const
vfunc[6]:	QTextCodec::makeEncoder() const

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vfunc[7]:	QEucKrCodec::toUnicode(char const*, int) const
vfunc[8]:	QEucKrCodec::fromUnicode(QString const&, int&) const
vfunc[9]:	QTextCodec::canEncode(QChar) const
vfunc[10]:	QTextCodec::canEncode(QString const&) const
vfunc[11]:	QEucKrCodec::heuristicContentMatch(char const*, int) const
vfunc[12]:	QEucKrCodec::heuristicNameMatch(char const*) const
vfunc[13]:	QTextCodec::fromUnicode(QString const&, int, int) const
vfunc[14]:	QTextCodec::characterFromUnicode(QString const&, int) const

The Run Time Type Information for the QEucKrCodec class is described by Table 13-203

Table 13-203 typeinfo for QEucKrCodec

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QEucKrCodec
basetype:	typeinfo for QTextCodec

13.2.1.102 Class data for QWidgetStack

The virtual table for the QWidgetStack class is described by Table 13-204

Table 13-204 Primary vtable for QWidgetStack

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QWidgetStack
vfunc[0]:	QWidgetStack::metaObject() const
vfunc[1]:	QWidgetStack::className() const
vfunc[2]:	QWidgetStack::qt_cast(char const*)
vfunc[3]:	QWidgetStack::qt_invoke(int, QUObject*)
vfunc[4]:	QWidgetStack::qt_emit(int, QUObject*)
vfunc[5]:	QWidgetStack::qt_property(int, int, QVariant*)

vfunc[6]:	QWidgetStack::~QWidgetStack()
vfunc[7]:	QWidgetStack::~QWidgetStack()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QWidgetStack::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)

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vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPi xmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::F ocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidgetStack::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QWidgetStack::sizeHint() const
vfunc[59]:	QWidgetStack::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)

vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QWidgetStack::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)

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vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QFrame::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QWidgetStack::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)

vfunc[116]:	QFrame::drawContents(QPainter*)
vfunc[117]:	QWidgetStack::frameChanged()
vfunc[118]:	QWidgetStack::setChildGeometries()

The Run Time Type Information for the QWidgetStack class is described by Table 13-205

Table 13-205 typeinfo for QWidgetStack

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QWidgetStack
basetype:	typeinfo for QFrame

13.2.1.103 Class data for QLabel

The virtual table for the QLabel class is described by Table 13-206

Table 13-206 Primary vtable for QLabel

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QLabel
vfunc[0]:	QLabel::metaObject() const
vfunc[1]:	QLabel::className() const
vfunc[2]:	QLabel::qt_cast(char const*)
vfunc[3]:	QLabel::qt_invoke(int, QUObject*)
vfunc[4]:	QLabel::qt_emit(int, QUObject*)
vfunc[5]:	QLabel::qt_property(int, int, QVariant*)
vfunc[6]:	QLabel::~QLabel()
vfunc[7]:	QLabel::~QLabel()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)

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vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QLabel::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)

vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QLabel::sizeHint() const
vfunc[59]:	QLabel::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QLabel::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(

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	QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QLabel::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QFrame::styleChange(QStyle&)

vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QLabel::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QLabel::drawContents(QPainter*)
vfunc[117]:	QFrame::frameChanged()
vfunc[118]:	QLabel::setAlignment(int)
vfunc[119]:	QLabel::setAutoResize(bool)
vfunc[120]:	QLabel::setBuddy(QWidget*)
vfunc[121]:	QLabel::setText(QString const&)
vfunc[122]:	QLabel::setPixmap(QPixmap const&)
vfunc[123]:	QLabel::setPicture(QPicture const&)
vfunc[124]:	QLabel::setMovie(QMovie const&)
vfunc[125]:	QLabel::setNum(int)
vfunc[126]:	QLabel::setNum(double)

The Run Time Type Information for the QLabel class is described by Table 13-207

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Table 13-207 typeinfo for QLabel

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QLabel
basetype:	typeinfo for QFrame

13.2.1.104 Class data for QStyleSheet

The virtual table for the QStyleSheet class is described by Table 13-208

Table 13-208 Primary vtable for QStyleSheet

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QStyleSheet
vfunc[0]:	QStyleSheet::metaObject() const
vfunc[1]:	QStyleSheet::className() const
vfunc[2]:	QStyleSheet::qt_cast(char const*)
vfunc[3]:	QStyleSheet::qt_invoke(int, QUObject*)
vfunc[4]:	QStyleSheet::qt_emit(int, QUObject*)
vfunc[5]:	QStyleSheet::qt_property(int, int, QVariant*)
vfunc[6]:	QStyleSheet::~QStyleSheet()
vfunc[7]:	QStyleSheet::~QStyleSheet()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)

vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QStyleSheet::tag(QString const&, QMap<QString, QString> const&, QString const&, QMimeSourceFactory const&, bool, QTextDocument*) const
vfunc[22]:	QStyleSheet::scaleFont(QFont&, int) const
vfunc[23]:	QStyleSheet::error(QString const&) const

The Run Time Type Information for the QStyleSheet class is described by Table 13-209

Table 13-209 typeinfo for QStyleSheet

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QStyleSheet
basetype:	typeinfo for QObject

13.2.1.105 Class data for QCustomEvent

The virtual table for the QCustomEvent class is described by Table 13-210

Table 13-210 Primary vtable for QCustomEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QCustomEvent
vfunc[0]:	QCustomEvent::~QCustomEvent()
vfunc[1]:	QCustomEvent::~QCustomEvent()

The Run Time Type Information for the QCustomEvent class is described by Table 13-211

Table 13-211 typeinfo for QCustomEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QCustomEvent
basetype:	typeinfo for QEvent

13.2.1.106 Class data for QListBoxPixmap

The virtual table for the QListBoxPixmap class is described by Table 13-212

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Table 13-212 Primary vtable for QListBoxPixmap

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QListBoxPixmap
vfunc[0]:	QListBoxPixmap::~QListBoxPixmap( )
vfunc[1]:	QListBoxPixmap::~QListBoxPixmap( )
vfunc[2]:	QListBoxItem::text() const
vfunc[3]:	QListBoxPixmap::pixmap() const
vfunc[4]:	QListBoxPixmap::height(QListBox const*) const
vfunc[5]:	QListBoxPixmap::width(QListBox const*) const
vfunc[6]:	QListBoxPixmap::rtti() const
vfunc[7]:	QListBoxPixmap::paint(QPainter*)
vfunc[8]:	QListBoxItem::setText(QString const&)

The Run Time Type Information for the QListBoxPixmap class is described by Table 13-213

Table 13-213 typeinfo for QListBoxPixmap

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QListBoxPixmap
basetype:	typeinfo for QListBoxItem

13.2.1.107 Class data for QDragManager

The virtual table for the QDragManager class is described by Table 13-214

Table 13-214 Primary vtable for QDragManager

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDragManager
vfunc[0]:	QDragManager::metaObject() const
vfunc[1]:	QDragManager::className() const
vfunc[2]:	QDragManager::qt_cast(char const*)
vfunc[3]:	QDragManager::qt_invoke(int, QUObject*)

vfunc[4]:	QDragManager::qt_emit(int, QUObject*)
vfunc[5]:	QDragManager::qt_property(int, int, QVariant*)
vfunc[6]:	QDragManager::~QDragManager()
vfunc[7]:	QDragManager::~QDragManager()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QDragManager::eventFilter(QObject* , QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QDragManager::timerEvent(QTimer Event*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

The Run Time Type Information for the QDragManager class is described by Table 13-215

Table 13-215 typeinfo for QDragManager

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDragManager
basetype:	typeinfo for QObject

13.2.1.108 Class data for QDomAttr

The virtual table for the QDomAttr class is described by Table 13-216

Table 13-216 Primary vtable for QDomAttr

Base Offset	0
Virtual Base Offset	0

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RTTI	typeinfo for QDomAttr
vfunc[0]:	QDomAttr::~QDomAttr()
vfunc[1]:	QDomAttr::~QDomAttr()
vfunc[2]:	QDomNode::insertBefore(QDomNode const&, QDomNode const&)
vfunc[3]:	QDomNode::insertAfter(QDomNode const&, QDomNode const&)
vfunc[4]:	QDomNode::replaceChild(QDomNode const&, QDomNode const&)
vfunc[5]:	QDomNode::removeChild(QDomNode const&)
vfunc[6]:	QDomNode::appendChild(QDomNode const&)
vfunc[7]:	QDomNode::hasChildNodes() const
vfunc[8]:	QDomNode::cloneNode(bool) const
vfunc[9]:	QDomNode::normalize()
vfunc[10]:	QDomNode::isSupported(QString const&, QString const&) const
vfunc[11]:	QDomNode::nodeName() const
vfunc[12]:	QDomAttr::nodeType() const
vfunc[13]:	QDomNode::parentNode() const
vfunc[14]:	QDomNode::childNodes() const
vfunc[15]:	QDomNode::firstChild() const
vfunc[16]:	QDomNode::lastChild() const
vfunc[17]:	QDomNode::previousSibling() const
vfunc[18]:	QDomNode::nextSibling() const
vfunc[19]:	QDomNode::attributes() const
vfunc[20]:	QDomNode::ownerDocument() const
vfunc[21]:	QDomNode::namespaceURI() const
vfunc[22]:	QDomNode::localName() const
vfunc[23]:	QDomNode::hasAttributes() const
vfunc[24]:	QDomNode::nodeValue() const
vfunc[25]:	QDomNode::setNodeValue(QString const&)
vfunc[26]:	QDomNode::prefix() const
vfunc[27]:	QDomNode::setPrefix(QString const&)

vfunc[28]:	QDomAttr::isAttr() const
vfunc[29]:	QDomNode::isCDATASection() const
vfunc[30]:	QDomNode::isDocumentFragment() const
vfunc[31]:	QDomNode::isDocument() const
vfunc[32]:	QDomNode::isDocumentType() const
vfunc[33]:	QDomNode::isElement() const
vfunc[34]:	QDomNode::isEntityReference() const
vfunc[35]:	QDomNode::isText() const
vfunc[36]:	QDomNode::isEntity() const
vfunc[37]:	QDomNode::isNotation() const
vfunc[38]:	QDomNode::isProcessingInstruction() const
vfunc[39]:	QDomNode::isCharacterData() const
vfunc[40]:	QDomNode::isComment() const
vfunc[41]:	QDomAttr::name() const
vfunc[42]:	QDomAttr::specified() const
vfunc[43]:	QDomAttr::ownerElement() const
vfunc[44]:	QDomAttr::value() const
vfunc[45]:	QDomAttr::setValue(QString const&)

The Run Time Type Information for the QDomAttr class is described by Table 13-217

Table 13-217 typeinfo for QDomAttr

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDomAttr
basetype:	typeinfo for QDomNode

13.2.1.109 Class data for QWhatsThis

The virtual table for the QWhatsThis class is described by Table 13-218

Table 13-218 Primary vtable for QWhatsThis

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QWhatsThis

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vfunc[0]:	QWhatsThis::~QWhatsThis()
vfunc[1]:	QWhatsThis::~QWhatsThis()
vfunc[2]:	QWhatsThis::text(QPoint const&)
vfunc[3]:	QWhatsThis::clicked(QString const&)

The Run Time Type Information for the QWhatsThis class is described by Table 13-219

Table 13-219 typeinfo for QWhatsThis

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QWhatsThis
basetype:	typeinfo for Qt

13.2.1.110 Class data for QDomNodeList

The virtual table for the QDomNodeList class is described by Table 13-220

Table 13-220 Primary vtable for QDomNodeList

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDomNodeList
vfunc[0]:	QDomNodeList::~QDomNodeList()
vfunc[1]:	QDomNodeList::~QDomNodeList()
vfunc[2]:	QDomNodeList::item(int) const
vfunc[3]:	QDomNodeList::length() const

The Run Time Type Information for the QDomNodeList class is described by Table 13-221

Table 13-221 typeinfo for QDomNodeList

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QDomNodeList

13.2.1.111 Class data for QJisCodec

The virtual table for the QJisCodec class is described by Table 13-222

Table 13-222 Primary vtable for QJisCodec

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QJisCodec
vfunc[0]:	QJisCodec::~QJisCodec()

vfunc[1]:	QJisCodec::~QJisCodec()
vfunc[2]:	QJisCodec::name() const
vfunc[3]:	QJisCodec::mimeName() const
vfunc[4]:	QJisCodec::mibEnum() const
vfunc[5]:	QJisCodec::makeDecoder() const
vfunc[6]:	QTextCodec::makeEncoder() const
vfunc[7]:	QJisCodec::toUnicode(char const*, int) const
vfunc[8]:	QJisCodec::fromUnicode(QString const&, int&) const
vfunc[9]:	QTextCodec::canEncode(QChar) const
vfunc[10]:	QTextCodec::canEncode(QString const&) const
vfunc[11]:	QJisCodec::heuristicContentMatch(char const*, int) const
vfunc[12]:	QJisCodec::heuristicNameMatch(char const*) const
vfunc[13]:	QTextCodec::fromUnicode(QString const&, int, int) const
vfunc[14]:	QTextCodec::characterFromUnicode(QString const&, int) const

The Run Time Type Information for the QJisCodec class is described by Table 13-223

Table 13-223 typeinfo for QJisCodec

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QJisCodec
basetype:	typeinfo for QTextCodec

13.2.1.112 Class data for QPointArray

The virtual table for the QPointArray class is described by Table 13-224

Table 13-224 Primary vtable for QPointArray

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QPointArray
vfunc[0]:	QPointArray::~QPointArray()
vfunc[1]:	QPointArray::~QPointArray()

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vfunc[2]:	QMemArray<QPoint>::detach()
vfunc[3]:	QGArray::newData()
vfunc[4]:	QGArray::deleteData(QGArray::array_data*)

The Run Time Type Information for the QPointArray class is described by Table 13-225

Table 13-225 typeinfo for QPointArray

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QPointArray
basetype:	typeinfo for QMemArray<QPoint>

13.2.1.113 Class data for QMultiLineEdit

The virtual table for the QMultiLineEdit class is described by Table 13-226

Table 13-226 Primary vtable for QMultiLineEdit

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QMultiLineEdit
vfunc[0]:	QMultiLineEdit::metaObject() const
vfunc[1]:	QMultiLineEdit::className() const
vfunc[2]:	QMultiLineEdit::qt_cast(char const*)
vfunc[3]:	QMultiLineEdit::qt_invoke(int, QUObject*)
vfunc[4]:	QMultiLineEdit::qt_emit(int, QUObject*)
vfunc[5]:	QMultiLineEdit::qt_property(int, int, QVariant*)
vfunc[6]:	QMultiLineEdit::~QMultiLineEdit()
vfunc[7]:	QMultiLineEdit::~QMultiLineEdit()
vfunc[8]:	QTextEdit::event(QEvent*)
vfunc[9]:	QTextEdit::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QScrollView::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)

vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QTextEdit::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QTextEdit::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QTextEdit::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)

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vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QScrollView::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QTextEdit::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QScrollView::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QTextEdit::sizeHint() const
vfunc[59]:	QScrollView::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QTextEdit::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QScrollView::mousePressEvent(QMo

	useEvent*)
vfunc[70]:	QScrollView::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QScrollView::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QScrollView::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QScrollView::wheelEvent(QWheelEvent*)
vfunc[74]:	QTextEdit::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QTextEdit::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QScrollView::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QTextEdit::imStartEvent(QIMEvent*)
vfunc[86]:	QTextEdit::imComposeEvent(QIMEvent*)
vfunc[87]:	QTextEdit::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)

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vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QScrollView::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QScrollView::fontChange(QFont const&)
vfunc[101]:	QTextEdit::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QTextEdit::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QTextEdit::drawContents(QPainter*)
vfunc[117]:	QScrollView::frameChanged()
vfunc[118]:	QScrollView::setResizePolicy(QScrollView::ResizePolicy)
vfunc[119]:	QScrollView::addChild(QWidget*, int, int)
vfunc[120]:	QScrollView::moveChild(QWidget*, int, int)
vfunc[121]:	QScrollView::setVScrollBarMode(QS

	crollView::ScrollBarMode)
vfunc[122]:	QScrollView::setHScrollBarMode(QScrollView::ScrollBarMode)
vfunc[123]:	QScrollView::setCornerWidget(QWidget*)
vfunc[124]:	QScrollView::setDragAutoScroll(bool)
vfunc[125]:	QScrollView::resizeContents(int, int)
vfunc[126]:	QScrollView::setContentsPos(int, int)
vfunc[127]:	QTextEdit::drawContents(QPainter*, int, int, int, int)
vfunc[128]:	QScrollView::drawContentsOffset(QPainter*, int, int, int, int, int, int)
vfunc[129]:	QTextEdit::contentsMousePressEvent(QMouseEvent*)
vfunc[130]:	QTextEdit::contentsMouseReleaseEvent(QMouseEvent*)
vfunc[131]:	QTextEdit::contentsMouseDoubleClickEvent(QMouseEvent*)
vfunc[132]:	QTextEdit::contentsMouseMoveEvent(QMouseEvent*)
vfunc[133]:	QTextEdit::contentsDragEnterEvent(QDragEnterEvent*)
vfunc[134]:	QTextEdit::contentsDragMoveEvent(QDragMoveEvent*)
vfunc[135]:	QTextEdit::contentsDragLeaveEvent(QDragLeaveEvent*)
vfunc[136]:	QTextEdit::contentsDropEvent(QDropEvent*)
vfunc[137]:	QTextEdit::contentsWheelEvent(QWheelEvent*)
vfunc[138]:	QTextEdit::contentsContextMenuEvent(QContextMenuEvent*)
vfunc[139]:	QScrollView::viewportPaintEvent(QPaintEvent*)
vfunc[140]:	QTextEdit::viewportResizeEvent(QResizeEvent*)
vfunc[141]:	QScrollView::viewportMousePressEvent(QMouseEvent*)
vfunc[142]:	QScrollView::viewportMouseReleaseEvent(QMouseEvent*)

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vfunc[143]:	QScrollView::viewportMouseDoubleClickEvent(QMouseEvent*)
vfunc[144]:	QScrollView::viewportMouseMoveEvent(QMouseEvent*)
vfunc[145]:	QScrollView::viewportDragEnterEvent(QDragEnterEvent*)
vfunc[146]:	QScrollView::viewportDragMoveEvent(QDragMoveEvent*)
vfunc[147]:	QScrollView::viewportDragLeaveEvent(QDragLeaveEvent*)
vfunc[148]:	QScrollView::viewportDropEvent(QDropEvent*)
vfunc[149]:	QScrollView::viewportWheelEvent(QWheelEvent*)
vfunc[150]:	QScrollView::viewportContextMenuEvent(QContextMenuEvent*)
vfunc[151]:	QScrollView::setMargins(int, int, int, int)
vfunc[152]:	QScrollView::setHBarGeometry(QScrollBar&, int, int, int, int)
vfunc[153]:	QScrollView::setVBarGeometry(QScrollBar&, int, int, int, int)
vfunc[154]:	QTextEdit::find(QString const&, bool, bool, bool, int*, int*)
vfunc[155]:	QTextEdit::getFormat(int, int, QFont*, QColor*, QTextEdit::VerticalAlignment*)
vfunc[156]:	QTextEdit::getParagraphFormat(int, QFont*, QColor*, QTextEdit::VerticalAlignment*, int*, QStyleSheetItem::DisplayMode*, QStyleSheetItem::ListStyle*, int*)
vfunc[157]:	QTextEdit::setMimeSourceFactory(QMimeSourceFactory*)
vfunc[158]:	QTextEdit::setStyleSheet(QStyleSheet*)
vfunc[159]:	QTextEdit::scrollToAnchor(QString const&)
vfunc[160]:	QTextEdit::setPaper(QBrush const&)
vfunc[161]:	QTextEdit::setLinkUnderline(bool)
vfunc[162]:	QTextEdit::setWordWrap(QTextEdit::WordWrap)

vfunc[163]:	QTextEdit::setWrapColumnOrWidth (int)
vfunc[164]:	QTextEdit::setWrapPolicy(QTextEdit: :WrapPolicy)
vfunc[165]:	QTextEdit::copy()
vfunc[166]:	QTextEdit::append(QString const&)
vfunc[167]:	QTextEdit::setText(QString const&, QString const&)
vfunc[168]:	QTextEdit::setTextFormat(Qt::TextFo rmat)
vfunc[169]:	QTextEdit::selectAll(bool)
vfunc[170]:	QTextEdit::setTabStopWidth(int)
vfunc[171]:	QTextEdit::zoomIn(int)
vfunc[172]:	QTextEdit::zoomIn()
vfunc[173]:	QTextEdit::zoomOut(int)
vfunc[174]:	QTextEdit::zoomOut()
vfunc[175]:	QTextEdit::zoomTo(int)
vfunc[176]:	QTextEdit::sync()
vfunc[177]:	QTextEdit::setReadOnly(bool)
vfunc[178]:	QTextEdit::undo()
vfunc[179]:	QTextEdit::redo()
vfunc[180]:	QTextEdit::cut()
vfunc[181]:	QTextEdit::paste()
vfunc[182]:	QTextEdit::pasteSubType(QCString const&)
vfunc[183]:	QTextEdit::clear()
vfunc[184]:	QTextEdit::del()
vfunc[185]:	QTextEdit::indent()
vfunc[186]:	QTextEdit::setItalic(bool)
vfunc[187]:	QTextEdit::setBold(bool)
vfunc[188]:	QTextEdit::setUnderline(bool)
vfunc[189]:	QTextEdit::setFamily(QString const&)
vfunc[190]:	QTextEdit::setPointSize(int)
vfunc[191]:	QTextEdit::setColor(QColor const&)
vfunc[192]:	QTextEdit::setVerticalAlignment(QT extEdit::VerticalAlignment)

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vfunc[193]:	QMultiLineEdit::setAlignment(int)
vfunc[194]:	QTextEdit::setParagType(QStyleSheetItem::DisplayMode, QStyleSheetItem::ListStyle)
vfunc[195]:	QMultiLineEdit::setCursorPosition(int, int)
vfunc[196]:	QTextEdit::setSelection(int, int, int, int, int)
vfunc[197]:	QTextEdit::setSelectionAttributes(int, QColor const&, bool)
vfunc[198]:	QTextEdit::setModified(bool)
vfunc[199]:	QTextEdit::resetFormat()
vfunc[200]:	QTextEdit::setUndoDepth(int)
vfunc[201]:	QTextEdit::setFormat(QTextFormat*, int)
vfunc[202]:	QTextEdit::ensureCursorVisible()
vfunc[203]:	QTextEdit::placeCursor(QPoint const&, QTextCursor*)
vfunc[204]:	QTextEdit::moveCursor(QTextEdit::CursorAction, bool)
vfunc[205]:	QTextEdit::doKeyboardAction(QTextEdit::KeyboardAction)
vfunc[206]:	QTextEdit::removeSelectedText(int)
vfunc[207]:	QTextEdit::removeSelection(int)
vfunc[208]:	QTextEdit::setCurrentFont(QFont const&)
vfunc[209]:	QTextEdit::setOverwriteMode(bool)
vfunc[210]:	QTextEdit::scrollToBottom()
vfunc[211]:	QTextEdit::insert(QString const&, bool, bool, bool)
vfunc[212]:	QMultiLineEdit::insertAt(QString const&, int, int)
vfunc[213]:	QTextEdit::removeParagraph(int)
vfunc[214]:	QTextEdit::insertParagraph(QString const&, int)
vfunc[215]:	QTextEdit::setParagraphBackgroundColor(int, QColor const&)
vfunc[216]:	QTextEdit::clearParagraphBackground(int)
vfunc[217]:	QTextEdit::setUndoRedoEnabled(bo

	ol)
vfunc[218]:	QTextEdit::createPopupMenu(QPoint const&)
vfunc[219]:	QTextEdit::createPopupMenu()
vfunc[220]:	QTextEdit::doChangeInterval()
vfunc[221]:	QTextEdit::linksEnabled() const
vfunc[222]:	QTextEdit::emitHighlighted(QString const&)
vfunc[223]:	QTextEdit::emitLinkClicked(QString const&)
vfunc[224]:	QMultiLineEdit::insertLine(QString const&, int)
vfunc[225]:	QMultiLineEdit::insertAt(QString const&, int, int, bool)
vfunc[226]:	QMultiLineEdit::removeLine(int)
vfunc[227]:	QMultiLineEdit::setCursorPosition(int, int, bool)
vfunc[228]:	QMultiLineEdit::setAutoUpdate(bool)
vfunc[229]:	QMultiLineEdit::insertAndMark(QString const&, bool)
vfunc[230]:	QMultiLineEdit::newLine()
vfunc[231]:	QMultiLineEdit::killLine()
vfunc[232]:	QMultiLineEdit::pageUp(bool)
vfunc[233]:	QMultiLineEdit::pageDown(bool)
vfunc[234]:	QMultiLineEdit::cursorLeft(bool, bool)
vfunc[235]:	QMultiLineEdit::cursorRight(bool, bool)
vfunc[236]:	QMultiLineEdit::cursorUp(bool)
vfunc[237]:	QMultiLineEdit::cursorDown(bool)
vfunc[238]:	QMultiLineEdit::backspace()
vfunc[239]:	QMultiLineEdit::home(bool)
vfunc[240]:	QMultiLineEdit::end(bool)

The Run Time Type Information for the QMultiLineEdit class is described by Table 13-227

Table 13-227 typeinfo for QMultiLineEdit

Base Vtable	vtable for

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	__cxxabiv1::__si_class_type_info
Name	typeinfo name for QMultiLineEdit
basetype:	typeinfo for QTextEdit

13.2.1.114 Class data for QNetworkProtocolFactoryBase

The virtual table for the QNetworkProtocolFactoryBase class is described by Table 13-228

Table 13-228 Primary vtable for QNetworkProtocolFactoryBase

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QNetworkProtocolFactoryBase
vfunc[0]:	__cxa_pure_virtual

The Run Time Type Information for the QNetworkProtocolFactoryBase class is described by Table 13-229

Table 13-229 typeinfo for QNetworkProtocolFactoryBase

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QNetworkProtocolFactoryBase

13.2.1.115 Class data for QHBoxLayout

The virtual table for the QHBoxLayout class is described by Table 13-230

Table 13-230 Primary vtable for QHBoxLayout

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QHBoxLayout
vfunc[0]:	QHBoxLayout::metaObject() const
vfunc[1]:	QHBoxLayout::className() const
vfunc[2]:	QHBoxLayout::qt_cast(char const*)
vfunc[3]:	QHBoxLayout::qt_invoke(int, QUObject*)
vfunc[4]:	QHBoxLayout::qt_emit(int, QUObject*)
vfunc[5]:	QHBoxLayout::qt_property(int, int, QVariant*)
vfunc[6]:	QHBoxLayout::~QHBoxLayout()
vfunc[7]:	QHBoxLayout::~QHBoxLayout()

vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QLayout::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QLayout::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QLayout::setMargin(int)
vfunc[22]:	QLayout::setSpacing(int)
vfunc[23]:	QLayout::setMenuBar(QMenuBar*)
vfunc[24]:	QLayout::setAutoAdd(bool)
vfunc[25]:	QBoxLayout::invalidate()
vfunc[26]:	QLayout::geometry() const
vfunc[27]:	QBoxLayout::addItem(QLayoutItem*)
vfunc[28]:	QBoxLayout::expanding() const
vfunc[29]:	QBoxLayout::minimumSize() const
vfunc[30]:	QBoxLayout::maximumSize() const
vfunc[31]:	QBoxLayout::setGeometry(QRect const&)
vfunc[32]:	QBoxLayout::iterator()
vfunc[33]:	QLayout::isEmpty() const
vfunc[34]:	QLayout::layout()
vfunc[35]:	QBoxLayout::sizeHint() const
vfunc[36]:	QBoxLayout::hasHeightForWidth() const

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vfunc[37]:	QBoxLayout::heightForWidth(int) const

The Run Time Type Information for the QHBoxLayout class is described by Table 13-231

Table 13-231 typeinfo for QHBoxLayout

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QHBoxLayout
basetype:	typeinfo for QBoxLayout

13.2.1.116 Class data for QSocketDevice

The virtual table for the QSocketDevice class is described by Table 13-232

Table 13-232 Primary vtable for QSocketDevice

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSocketDevice
vfunc[0]:	QSocketDevice::~QSocketDevice()
vfunc[1]:	QSocketDevice::~QSocketDevice()
vfunc[2]:	QSocketDevice::open(int)
vfunc[3]:	QSocketDevice::close()
vfunc[4]:	QSocketDevice::flush()
vfunc[5]:	QSocketDevice::size() const
vfunc[6]:	QSocketDevice::at() const
vfunc[7]:	QSocketDevice::at(unsigned long)
vfunc[8]:	QSocketDevice::atEnd() const
vfunc[9]:	QSocketDevice::readBlock(char*, unsigned long)
vfunc[10]:	QSocketDevice::writeBlock(char const*, unsigned long)
vfunc[11]:	QIODevice::readLine(char*, unsigned long)
vfunc[12]:	QIODevice::readAll()
vfunc[13]:	QSocketDevice::getch()
vfunc[14]:	QSocketDevice::putch(int)
vfunc[15]:	QSocketDevice::ungetch(int)
vfunc[16]:	QSocketDevice::setSocket(int, QSocketDevice::Type)

vfunc[17]:	QSocketDevice::setBlocking(bool)
vfunc[18]:	QSocketDevice::setAddressReusable(bool)
vfunc[19]:	QSocketDevice::setReceiveBufferSize(unsigned int)
vfunc[20]:	QSocketDevice::setSendBufferSize(unsigned int)
vfunc[21]:	QSocketDevice::connect(QHostAddress const&, unsigned short)
vfunc[22]:	QSocketDevice::bind(QHostAddress const&, unsigned short)
vfunc[23]:	QSocketDevice::listen(int)
vfunc[24]:	QSocketDevice::accept()
vfunc[25]:	QSocketDevice::writeBlock(char const*, unsigned long, QHostAddress const&, unsigned short)
vfunc[26]:	QSocketDevice::setOption(QSocketDevice::Option, int)

The Run Time Type Information for the QSocketDevice class is described by Table 13-233

Table 13-233 typeinfo for QSocketDevice

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSocketDevice
basetype:	typeinfo for QIODevice

13.2.1.117 Class data for QXmlReader

The virtual table for the QXmlReader class is described by Table 13-234

Table 13-234 Primary vtable for QXmlReader

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QXmlReader
vfunc[0]:	__cxa_pure_virtual
vfunc[1]:	__cxa_pure_virtual
vfunc[2]:	__cxa_pure_virtual
vfunc[3]:	__cxa_pure_virtual
vfunc[4]:	__cxa_pure_virtual

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vfunc[5]:	__cxa_pure_virtual
vfunc[6]:	__cxa_pure_virtual
vfunc[7]:	__cxa_pure_virtual
vfunc[8]:	__cxa_pure_virtual
vfunc[9]:	__cxa_pure_virtual
vfunc[10]:	__cxa_pure_virtual
vfunc[11]:	__cxa_pure_virtual
vfunc[12]:	__cxa_pure_virtual
vfunc[13]:	__cxa_pure_virtual
vfunc[14]:	__cxa_pure_virtual
vfunc[15]:	__cxa_pure_virtual
vfunc[16]:	__cxa_pure_virtual
vfunc[17]:	__cxa_pure_virtual
vfunc[18]:	__cxa_pure_virtual
vfunc[19]:	__cxa_pure_virtual

The Run Time Type Information for the QXmlReader class is described by Table 13-235

Table 13-235 typeinfo for QXmlReader

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QXmlReader

13.2.1.118 Class data for QDomEntity

The virtual table for the QDomEntity class is described by Table 13-236

Table 13-236 Primary vtable for QDomEntity

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDomEntity
vfunc[0]:	QDomEntity::~QDomEntity()
vfunc[1]:	QDomEntity::~QDomEntity()
vfunc[2]:	QDomNode::insertBefore(QDomNode const&, QDomNode const&)
vfunc[3]:	QDomNode::insertAfter(QDomNode const&, QDomNode const&)
vfunc[4]:	QDomNode::replaceChild(QDomNode const&, QDomNode const&)

vfunc[5]:	QDomNode::removeChild(QDomNode const&)
vfunc[6]:	QDomNode::appendChild(QDomNode const&)
vfunc[7]:	QDomNode::hasChildNodes() const
vfunc[8]:	QDomNode::cloneNode(bool) const
vfunc[9]:	QDomNode::normalize()
vfunc[10]:	QDomNode::isSupported(QString const&, QString const&) const
vfunc[11]:	QDomNode::nodeName() const
vfunc[12]:	QDomEntity::nodeType() const
vfunc[13]:	QDomNode::parentNode() const
vfunc[14]:	QDomNode::childNodes() const
vfunc[15]:	QDomNode::firstChild() const
vfunc[16]:	QDomNode::lastChild() const
vfunc[17]:	QDomNode::previousSibling() const
vfunc[18]:	QDomNode::nextSibling() const
vfunc[19]:	QDomNode::attributes() const
vfunc[20]:	QDomNode::ownerDocument() const
vfunc[21]:	QDomNode::namespaceURI() const
vfunc[22]:	QDomNode::localName() const
vfunc[23]:	QDomNode::hasAttributes() const
vfunc[24]:	QDomNode::nodeValue() const
vfunc[25]:	QDomNode::setNodeValue(QString const&)
vfunc[26]:	QDomNode::prefix() const
vfunc[27]:	QDomNode::setPrefix(QString const&)
vfunc[28]:	QDomNode::isAttr() const
vfunc[29]:	QDomNode::isCDATASection() const
vfunc[30]:	QDomNode::isDocumentFragment() const
vfunc[31]:	QDomNode::isDocument() const
vfunc[32]:	QDomNode::isDocumentType() const
vfunc[33]:	QDomNode::isElement() const

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vfunc[34]:	QDomNode::isEntityReference() const
vfunc[35]:	QDomNode::isText() const
vfunc[36]:	QDomEntity::isEntity() const
vfunc[37]:	QDomNode::isNotation() const
vfunc[38]:	QDomNode::isProcessingInstruction( ) const
vfunc[39]:	QDomNode::isCharacterData() const
vfunc[40]:	QDomNode::isComment() const
vfunc[41]:	QDomEntity::publicId() const
vfunc[42]:	QDomEntity::systemId() const
vfunc[43]:	QDomEntity::notationName() const

The Run Time Type Information for the QDomEntity class is described by Table 13-237

Table 13-237 typeinfo for QDomEntity

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDomEntity
basetype:	typeinfo for QDomNode

13.2.1.119 Class data for QMetaObject

The virtual table for the QMetaObject class is described by Table 13-238

Table 13-238 Primary vtable for QMetaObject

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QMetaObject
vfunc[0]:	QMetaObject::~QMetaObject()
vfunc[1]:	QMetaObject::~QMetaObject()

The Run Time Type Information for the QMetaObject class is described by Table 13-239

Table 13-239 typeinfo for QMetaObject

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QMetaObject

13.2.1.120 Class data for QErrorMessage

The virtual table for the QErrorMessage class is described by Table 13-240

Table 13-240 Primary vtable for QErrorMessage

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QErrorMessage
vfunc[0]:	QErrorMessage::metaObject() const
vfunc[1]:	QErrorMessage::className() const
vfunc[2]:	QErrorMessage::qt_cast(char const*)
vfunc[3]:	QErrorMessage::qt_invoke(int, QUObject*)
vfunc[4]:	QErrorMessage::qt_emit(int, QUObject*)
vfunc[5]:	QErrorMessage::qt_property(int, int, QVariant*)
vfunc[6]:	QErrorMessage::~QErrorMessage()
vfunc[7]:	QErrorMessage::~QErrorMessage()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QDialog::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)

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vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QDialog::show()
vfunc[48]:	QDialog::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()

vfunc[52]:	QWidget::polish()
vfunc[53]:	QDialog::move(int, int)
vfunc[54]:	QDialog::resize(int, int)
vfunc[55]:	QDialog::setGeometry(int, int, int, int)
vfunc[56]:	QDialog::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QDialog::sizeHint() const
vfunc[59]:	QDialog::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QDialog::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)

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vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QDialog::resizeEvent(QResizeEvent*)
vfunc[83]:	QDialog::closeEvent(QCloseEvent*)
vfunc[84]:	QDialog::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)

vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QErrorMessage::done(int)
vfunc[111]:	QDialog::accept()
vfunc[112]:	QDialog::reject()

The Run Time Type Information for the QErrorMessage class is described by Table 13-241

Table 13-241 typeinfo for QErrorMessage

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QErrorMessage
basetype:	typeinfo for QDialog

13.2.1.121 Class data for QListBox

The virtual table for the QListBox class is described by Table 13-242

Table 13-242 Primary vtable for QListBox

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QListBox
vfunc[0]:	QListBox::metaObject() const
vfunc[1]:	QListBox::className() const
vfunc[2]:	QListBox::qt_cast(char const*)
vfunc[3]:	QListBox::qt_invoke(int, QUObject*)
vfunc[4]:	QListBox::qt_emit(int, QUObject*)
vfunc[5]:	QListBox::qt_property(int, int, QVariant*)
vfunc[6]:	QListBox::~QListBox()
vfunc[7]:	QListBox::~QListBox()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QListBox::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QScrollView::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*,

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	QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QScrollView::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColo r(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixm ap(QPixmap const&)
vfunc[31]:	QListBox::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPi xmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)

vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QScrollView::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QScrollView::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QListBox::sizeHint() const
vfunc[59]:	QListBox::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QListBox::mousePressEvent(QMouseEvent*)

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vfunc[70]:	QListBox::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QListBox::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QListBox::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QScrollView::wheelEvent(QWheelEvent*)
vfunc[74]:	QListBox::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QListBox::focusInEvent(QFocusEvent*)
vfunc[77]:	QListBox::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QListBox::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QScrollView::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QListBox::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)

vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QScrollView::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QScrollView::fontChange(QFont const&)
vfunc[101]:	QListBox::windowActivationChange (bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QScrollView::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QScrollView::drawContents(QPainter*)
vfunc[117]:	QScrollView::frameChanged()
vfunc[118]:	QScrollView::setResizePolicy(QScrollView::ResizePolicy)
vfunc[119]:	QScrollView::addChild(QWidget*, int, int)
vfunc[120]:	QScrollView::moveChild(QWidget*, int, int)
vfunc[121]:	QScrollView::setVScrollBarMode(QScrollView::ScrollBarMode)

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vfunc[122]:	QScrollView::setHScrollBarMode(QScrollView::ScrollBarMode)
vfunc[123]:	QScrollView::setCornerWidget(QWidget*)
vfunc[124]:	QScrollView::setDragAutoScroll(bool)
vfunc[125]:	QScrollView::resizeContents(int, int)
vfunc[126]:	QScrollView::setContentsPos(int, int)
vfunc[127]:	QScrollView::drawContents(QPainter*, int, int, int, int)
vfunc[128]:	QScrollView::drawContentsOffset(QPainter*, int, int, int, int, int, int)
vfunc[129]:	QScrollView::contentsMousePressEvent(QMouseEvent*)
vfunc[130]:	QScrollView::contentsMouseReleaseEvent(QMouseEvent*)
vfunc[131]:	QScrollView::contentsMouseDoubleClickEvent(QMouseEvent*)
vfunc[132]:	QScrollView::contentsMouseMoveEvent(QMouseEvent*)
vfunc[133]:	QScrollView::contentsDragEnterEvent(QDragEnterEvent*)
vfunc[134]:	QScrollView::contentsDragMoveEvent(QDragMoveEvent*)
vfunc[135]:	QScrollView::contentsDragLeaveEvent(QDragLeaveEvent*)
vfunc[136]:	QScrollView::contentsDropEvent(QDropEvent*)
vfunc[137]:	QScrollView::contentsWheelEvent(QWheelEvent*)
vfunc[138]:	QListBox::contentsContextMenuEvent(QContextMenuEvent*)
vfunc[139]:	QListBox::viewportPaintEvent(QPaintEvent*)
vfunc[140]:	QScrollView::viewportResizeEvent(QResizeEvent*)
vfunc[141]:	QScrollView::viewportMousePressEvent(QMouseEvent*)
vfunc[142]:	QScrollView::viewportMouseReleaseEvent(QMouseEvent*)
vfunc[143]:	QScrollView::viewportMouseDoubleClickEvent(QMouseEvent*)

vfunc[144]:	QScrollView::viewportMouseMoveEvent(QMouseEvent*)
vfunc[145]:	QScrollView::viewportDragEnterEvent(QDragEnterEvent*)
vfunc[146]:	QScrollView::viewportDragMoveEvent(QDragMoveEvent*)
vfunc[147]:	QScrollView::viewportDragLeaveEvent(QDragLeaveEvent*)
vfunc[148]:	QScrollView::viewportDropEvent(QDropEvent*)
vfunc[149]:	QScrollView::viewportWheelEvent(QWheelEvent*)
vfunc[150]:	QScrollView::viewportContextMenuEvent(QContextMenuEvent*)
vfunc[151]:	QScrollView::setMargins(int, int, int, int)
vfunc[152]:	QScrollView::setHBarGeometry(QScrollBar&, int, int, int, int)
vfunc[153]:	QScrollView::setVBarGeometry(QScrollBar&, int, int, int, int)
vfunc[154]:	QListBox::setCurrentItem(int)
vfunc[155]:	QListBox::setCurrentItem(QListBoxItem*)
vfunc[156]:	QListBox::setTopItem(int)
vfunc[157]:	QListBox::setBottomItem(int)
vfunc[158]:	QListBox::setSelectionMode(QListBox::SelectionMode)
vfunc[159]:	QListBox::setSelected(QListBoxItem*, bool)
vfunc[160]:	QListBox::setColumnMode(QListBox::LayoutMode)
vfunc[161]:	QListBox::setColumnMode(int)
vfunc[162]:	QListBox::setRowMode(QListBox::LayoutMode)
vfunc[163]:	QListBox::setRowMode(int)
vfunc[164]:	QListBox::setVariableWidth(bool)
vfunc[165]:	QListBox::setVariableHeight(bool)
vfunc[166]:	QListBox::ensureCurrentVisible()
vfunc[167]:	QListBox::clearSelection()
vfunc[168]:	QListBox::selectAll(bool)

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vfunc[169]:	QListBox::invertSelection()
vfunc[170]:	QListBox::paintCell(QPainter*, int, int)

The Run Time Type Information for the QListBox class is described by Table 13-243

Table 13-243 typeinfo for QListBox

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QListBox
basetype:	typeinfo for QScrollView

13.2.1.122 Class data for QCustomMenuItem

The virtual table for the QCustomMenuItem class is described by Table 13-244

Table 13-244 Primary vtable for QCustomMenuItem

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QCustomMenuItem
vfunc[0]:	QCustomMenuItem::~QCustomMenuItem()
vfunc[1]:	QCustomMenuItem::~QCustomMenuItem()
vfunc[2]:	QCustomMenuItem::fullSpan() const
vfunc[3]:	QCustomMenuItem::isSeparator() const
vfunc[4]:	QCustomMenuItem::setFont(QFont const&)
vfunc[5]:	__cxa_pure_virtual
vfunc[6]:	__cxa_pure_virtual

The Run Time Type Information for the QCustomMenuItem class is described by Table 13-245

Table 13-245 typeinfo for QCustomMenuItem

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QCustomMenuItem
basetype:	typeinfo for Qt

13.2.1.123 Class data for QIconDrag

The virtual table for the QIconDrag class is described by Table 13-246

Table 13-246 Primary vtable for QIconDrag

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QIconDrag
vfunc[0]:	QIconDrag::metaObject() const
vfunc[1]:	QIconDrag::className() const
vfunc[2]:	QIconDrag::qt_cast(char const*)
vfunc[3]:	QIconDrag::qt_invoke(int, QUObject*)
vfunc[4]:	QIconDrag::qt_emit(int, QUObject*)
vfunc[5]:	QIconDrag::qt_property(int, int, QVariant*)
vfunc[6]:	QIconDrag::~QIconDrag()
vfunc[7]:	QIconDrag::~QIconDrag()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QDragObject::setPixmap(QPixmap)
vfunc[22]:	QDragObject::setPixmap(QPixmap, QPoint const&)

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vfunc[23]:	QDragObject::drag(QDragObject::DragMode)
vfunc[24]:	QIconDrag::format(int) const
vfunc[25]:	QIconDrag::encodedData(char const*) const

The Run Time Type Information for the QIconDrag class is described by Table 13-247

Table 13-247 typeinfo for QIconDrag

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QIconDrag
basetype:	typeinfo for QDragObject

13.2.1.124 Class data for QUriDrag

The virtual table for the QUriDrag class is described by Table 13-248

Table 13-248 Primary vtable for QUriDrag

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QUriDrag
vfunc[0]:	QUriDrag::metaObject() const
vfunc[1]:	QUriDrag::className() const
vfunc[2]:	QUriDrag::qt_cast(char const*)
vfunc[3]:	QUriDrag::qt_invoke(int, QUObject*)
vfunc[4]:	QUriDrag::qt_emit(int, QUObject*)
vfunc[5]:	QUriDrag::qt_property(int, int, QVariant*)
vfunc[6]:	QUriDrag::~QUriDrag()
vfunc[7]:	QUriDrag::~QUriDrag()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const

vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QDragObject::setPixmap(QPixmap)
vfunc[22]:	QDragObject::setPixmap(QPixmap, QPoint const&)
vfunc[23]:	QDragObject::drag(QDragObject::DragMode)
vfunc[24]:	QStoredDrag::setEncodedData(QMemArray<char> const&)
vfunc[25]:	QStoredDrag::format(int) const
vfunc[26]:	QStoredDrag::encodedData(char const*) const
vfunc[27]:	QUriDrag::setUris(QStrList)

The Run Time Type Information for the QUriDrag class is described by Table 13-249

Table 13-249 typeinfo for QUriDrag

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QUriDrag
basetype:	typeinfo for QStoredDrag

13.2.1.125 Class data for QXmlDeclHandler

The virtual table for the QXmlDeclHandler class is described by Table 13-250

Table 13-250 Primary vtable for QXmlDeclHandler

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QXmlDeclHandler
vfunc[0]:	__cxa_pure_virtual
vfunc[1]:	__cxa_pure_virtual
vfunc[2]:	__cxa_pure_virtual
vfunc[3]:	__cxa_pure_virtual

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The Run Time Type Information for the QXmlDeclHandler class is described by Table 13-251

Table 13-251 typeinfo for QXmlDeclHandler

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QXmlDeclHandler

13.2.1.126 Class data for QVBoxLayout

The virtual table for the QVBoxLayout class is described by Table 13-252

Table 13-252 Primary vtable for QVBoxLayout

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QVBoxLayout
vfunc[0]:	QVBoxLayout::metaObject() const
vfunc[1]:	QVBoxLayout::className() const
vfunc[2]:	QVBoxLayout::qt_cast(char const*)
vfunc[3]:	QVBoxLayout::qt_invoke(int, QUObject*)
vfunc[4]:	QVBoxLayout::qt_emit(int, QUObject*)
vfunc[5]:	QVBoxLayout::qt_property(int, int, QVariant*)
vfunc[6]:	QVBoxLayout::~QVBoxLayout()
vfunc[7]:	QVBoxLayout::~QVBoxLayout()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QLayout::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QLayout::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)

vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QLayout::setMargin(int)
vfunc[22]:	QLayout::setSpacing(int)
vfunc[23]:	QLayout::setMenuBar(QMenuBar*)
vfunc[24]:	QLayout::setAutoAdd(bool)
vfunc[25]:	QBoxLayout::invalidate()
vfunc[26]:	QLayout::geometry() const
vfunc[27]:	QBoxLayout::addItem(QLayoutItem*)
vfunc[28]:	QBoxLayout::expanding() const
vfunc[29]:	QBoxLayout::minimumSize() const
vfunc[30]:	QBoxLayout::maximumSize() const
vfunc[31]:	QBoxLayout::setGeometry(QRect const&)
vfunc[32]:	QBoxLayout::iterator()
vfunc[33]:	QLayout::isEmpty() const
vfunc[34]:	QLayout::layout()
vfunc[35]:	QBoxLayout::sizeHint() const
vfunc[36]:	QBoxLayout::hasHeightForWidth() const
vfunc[37]:	QBoxLayout::heightForWidth(int) const

The Run Time Type Information for the QVBoxLayout class is described by Table 13-253

Table 13-253 typeinfo for QVBoxLayout

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QVBoxLayout
basetype:	typeinfo for QBoxLayout

13.2.1.127 Class data for QDomNode

The virtual table for the QDomNode class is described by Table 13-254

Table 13-254 Primary vtable for QDomNode

Base Offset	0

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Virtual Base Offset	0
RTTI	typeinfo for QDomNode
vfunc[0]:	QDomNode::~QDomNode()
vfunc[1]:	QDomNode::~QDomNode()
vfunc[2]:	QDomNode::insertBefore(QDomNode const&, QDomNode const&)
vfunc[3]:	QDomNode::insertAfter(QDomNode const&, QDomNode const&)
vfunc[4]:	QDomNode::replaceChild(QDomNode const&, QDomNode const&)
vfunc[5]:	QDomNode::removeChild(QDomNode const&)
vfunc[6]:	QDomNode::appendChild(QDomNode const&)
vfunc[7]:	QDomNode::hasChildNodes() const
vfunc[8]:	QDomNode::cloneNode(bool) const
vfunc[9]:	QDomNode::normalize()
vfunc[10]:	QDomNode::isSupported(QString const&, QString const&) const
vfunc[11]:	QDomNode::nodeName() const
vfunc[12]:	QDomNode::nodeType() const
vfunc[13]:	QDomNode::parentNode() const
vfunc[14]:	QDomNode::childNodes() const
vfunc[15]:	QDomNode::firstChild() const
vfunc[16]:	QDomNode::lastChild() const
vfunc[17]:	QDomNode::previousSibling() const
vfunc[18]:	QDomNode::nextSibling() const
vfunc[19]:	QDomNode::attributes() const
vfunc[20]:	QDomNode::ownerDocument() const
vfunc[21]:	QDomNode::namespaceURI() const
vfunc[22]:	QDomNode::localName() const
vfunc[23]:	QDomNode::hasAttributes() const
vfunc[24]:	QDomNode::nodeValue() const
vfunc[25]:	QDomNode::setNodeValue(QString const&)
vfunc[26]:	QDomNode::prefix() const

vfunc[27]:	QDomNode::setPrefix(QString const&)
vfunc[28]:	QDomNode::isAttr() const
vfunc[29]:	QDomNode::isCDATASection() const
vfunc[30]:	QDomNode::isDocumentFragment() const
vfunc[31]:	QDomNode::isDocument() const
vfunc[32]:	QDomNode::isDocumentType() const
vfunc[33]:	QDomNode::isElement() const
vfunc[34]:	QDomNode::isEntityReference() const
vfunc[35]:	QDomNode::isText() const
vfunc[36]:	QDomNode::isEntity() const
vfunc[37]:	QDomNode::isNotation() const
vfunc[38]:	QDomNode::isProcessingInstruction() const
vfunc[39]:	QDomNode::isCharacterData() const
vfunc[40]:	QDomNode::isComment() const

The Run Time Type Information for the QDomNode class is described by Table 13-255

Table 13-255 typeinfo for QDomNode

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QDomNode

13.2.1.128 Class data for QBuffer

The virtual table for the QBuffer class is described by Table 13-256

Table 13-256 Primary vtable for QBuffer

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QBuffer
vfunc[0]:	QBuffer::~QBuffer()
vfunc[1]:	QBuffer::~QBuffer()
vfunc[2]:	QBuffer::open(int)
vfunc[3]:	QBuffer::close()

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vfunc[4]:	QBuffer::flush()
vfunc[5]:	QBuffer::size() const
vfunc[6]:	QBuffer::at() const
vfunc[7]:	QBuffer::at(unsigned long)
vfunc[8]:	QIODevice::atEnd() const
vfunc[9]:	QBuffer::readBlock(char*, unsigned long)
vfunc[10]:	QBuffer::writeBlock(char const*, unsigned long)
vfunc[11]:	QBuffer::readLine(char*, unsigned long)
vfunc[12]:	QIODevice::readAll()
vfunc[13]:	QBuffer::getch()
vfunc[14]:	QBuffer::putch(int)
vfunc[15]:	QBuffer::ungetch(int)

The Run Time Type Information for the QBuffer class is described by Table 13-257

Table 13-257 typeinfo for QBuffer

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QBuffer
basetype:	typeinfo for QIODevice

13.2.1.129 Class data for QCanvasRectangle

The virtual table for the QCanvasRectangle class is described by Table 13-258

Table 13-258 Primary vtable for QCanvasRectangle

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QCanvasRectangle
vfunc[0]:	QCanvasRectangle::~QCanvasRectangle()
vfunc[1]:	QCanvasRectangle::~QCanvasRectangle()
vfunc[2]:	QCanvasItem::moveBy(double, double)
vfunc[3]:	QCanvasItem::setAnimated(bool)
vfunc[4]:	QCanvasItem::setVelocity(double, double)

vfunc[5]:	QCanvasItem::advance(int)
vfunc[6]:	QCanvasRectangle::collidesWith(QCanvasItem const*) const
vfunc[7]:	QCanvasItem::setCanvas(QCanvas*)
vfunc[8]:	QCanvasPolygonalItem::draw(QPainter&)
vfunc[9]:	QCanvasItem::setVisible(bool)
vfunc[10]:	QCanvasItem::setSelected(bool)
vfunc[11]:	QCanvasItem::setEnabled(bool)
vfunc[12]:	QCanvasItem::setActive(bool)
vfunc[13]:	QCanvasRectangle::rtti() const
vfunc[14]:	QCanvasPolygonalItem::boundingRect() const
vfunc[15]:	QCanvasItem::boundingRectAdvanced() const
vfunc[16]:	QCanvasRectangle::chunks() const
vfunc[17]:	QCanvasItem::addToChunks()
vfunc[18]:	QCanvasItem::removeFromChunks()
vfunc[19]:	QCanvasItem::changeChunks()
vfunc[20]:	QCanvasRectangle::collidesWith(QCanvasSprite const*, QCanvasPolygonalItem const*, QCanvasRectangle const*, QCanvasEllipse const*, QCanvasText const*) const
vfunc[21]:	QCanvasPolygonalItem::setPen(QPen)
vfunc[22]:	QCanvasPolygonalItem::setBrush(QBrush)
vfunc[23]:	QCanvasRectangle::areaPoints() const
vfunc[24]:	QCanvasPolygonalItem::areaPointsAdvanced() const
vfunc[25]:	QCanvasRectangle::drawShape(QPainter&)

The Run Time Type Information for the QCanvasRectangle class is described by Table 13-259

Table 13-259 typeinfo for QCanvasRectangle

Base Vtable	vtable for __cxxabiv1::__si_class_type_info

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Name	typeinfo name for QCanvasRectangle
basetype:	typeinfo for QCanvasPolygonalItem

13.2.1.130 Class data for QIconSet

The virtual table for the QIconSet class is described by Table 13-260

Table 13-260 Primary vtable for QIconSet

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QIconSet
vfunc[0]:	QIconSet::~QIconSet()
vfunc[1]:	QIconSet::~QIconSet()
vfunc[2]:	QIconSet::setPixmap(QPixmap const&, QIconSet::Size, QIconSet::Mode, QIconSet::State)
vfunc[3]:	QIconSet::setPixmap(QString const&, QIconSet::Size, QIconSet::Mode, QIconSet::State)

The Run Time Type Information for the QIconSet class is described by Table 13-261

Table 13-261 typeinfo for QIconSet

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QIconSet

13.2.1.131 Class data for QDropSite

The virtual table for the QDropSite class is described by Table 13-262

Table 13-262 Primary vtable for QDropSite

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDropSite
vfunc[0]:	QDropSite::~QDropSite()
vfunc[1]:	QDropSite::~QDropSite()

The Run Time Type Information for the QDropSite class is described by Table 13-263

Table 13-263 typeinfo for QDropSite

Base Vtable	vtable for __cxxabiv1::__class_type_info

Name	typeinfo name for QDropSite

13.2.1.132 Class data for QThread

The virtual table for the QThread class is described by Table 13-264

Table 13-264 Primary vtable for QThread

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QThread
vfunc[0]:	QThread::~QThread()
vfunc[1]:	QThread::~QThread()
vfunc[2]:	__cxa_pure_virtual

The Run Time Type Information for the QThread class is described by Table 13-265

Table 13-265 typeinfo for QThread

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QThread
basetype:	typeinfo for Qt

13.2.1.133 Class data for QStoredDrag

The virtual table for the QStoredDrag class is described by Table 13-266

Table 13-266 Primary vtable for QStoredDrag

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QStoredDrag
vfunc[0]:	QStoredDrag::metaObject() const
vfunc[1]:	QStoredDrag::className() const
vfunc[2]:	QStoredDrag::qt_cast(char const*)
vfunc[3]:	QStoredDrag::qt_invoke(int, QUObject*)
vfunc[4]:	QStoredDrag::qt_emit(int, QUObject*)
vfunc[5]:	QStoredDrag::qt_property(int, int, QVariant*)
vfunc[6]:	QStoredDrag::~QStoredDrag()
vfunc[7]:	QStoredDrag::~QStoredDrag()
vfunc[8]:	QObject::event(QEvent*)

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vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QDragObject::setPixmap(QPixmap)
vfunc[22]:	QDragObject::setPixmap(QPixmap, QPoint const&)
vfunc[23]:	QDragObject::drag(QDragObject::DragMode)
vfunc[24]:	QStoredDrag::setEncodedData(QMemArray<char> const&)
vfunc[25]:	QStoredDrag::format(int) const
vfunc[26]:	QStoredDrag::encodedData(char const*) const

The Run Time Type Information for the QStoredDrag class is described by Table 13-267

Table 13-267 typeinfo for QStoredDrag

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QStoredDrag
basetype:	typeinfo for QDragObject

13.2.1.134 Class data for QTextDrag

The virtual table for the QTextDrag class is described by Table 13-268

Table 13-268 Primary vtable for QTextDrag

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTextDrag
vfunc[0]:	QTextDrag::metaObject() const
vfunc[1]:	QTextDrag::className() const
vfunc[2]:	QTextDrag::qt_cast(char const*)
vfunc[3]:	QTextDrag::qt_invoke(int, QUObject*)
vfunc[4]:	QTextDrag::qt_emit(int, QUObject*)
vfunc[5]:	QTextDrag::qt_property(int, int, QVariant*)
vfunc[6]:	QTextDrag::~QTextDrag()
vfunc[7]:	QTextDrag::~QTextDrag()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QDragObject::setPixmap(QPixmap)
vfunc[22]:	QDragObject::setPixmap(QPixmap, QPoint const&)
vfunc[23]:	QDragObject::drag(QDragObject::Dr agMode)
vfunc[24]:	QTextDrag::setText(QString const&)

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vfunc[25]:	QTextDrag::setSubtype(QCString const&)
vfunc[26]:	QTextDrag::format(int) const
vfunc[27]:	QTextDrag::encodedData(char const*) const

The Run Time Type Information for the QTextDrag class is described by Table 13-269

Table 13-269 typeinfo for QTextDrag

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QTextDrag
basetype:	typeinfo for QDragObject

13.2.1.135 Class data for QFilePreview

The virtual table for the QFilePreview class is described by Table 13-270

Table 13-270 Primary vtable for QFilePreview

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QFilePreview
vfunc[0]:	__cxa_pure_virtual

The Run Time Type Information for the QFilePreview class is described by Table 13-271

Table 13-271 typeinfo for QFilePreview

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QFilePreview

13.2.1.136 Class data for QButtonGroup

The virtual table for the QButtonGroup class is described by Table 13-272

Table 13-272 Primary vtable for QButtonGroup

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QButtonGroup
vfunc[0]:	QButtonGroup::metaObject() const
vfunc[1]:	QButtonGroup::className() const
vfunc[2]:	QButtonGroup::qt_cast(char const*)

vfunc[3]:	QButtonGroup::qt_invoke(int, QUObject*)
vfunc[4]:	QButtonGroup::qt_emit(int, QUObject*)
vfunc[5]:	QButtonGroup::qt_property(int, int, QVariant*)
vfunc[6]:	QButtonGroup::~QButtonGroup()
vfunc[7]:	QButtonGroup::~QButtonGroup()
vfunc[8]:	QButtonGroup::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QGroupBox::childEvent(QChildEven t*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QGroupBox::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColo

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	r(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)

vfunc[58]:	QGroupBox::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QGroupBox::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QGroupBox::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QGroupBox::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)

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vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QFrame::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QGroupBox::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)

vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QFrame::drawContents(QPainter*)
vfunc[117]:	QFrame::frameChanged()
vfunc[118]:	QGroupBox::setColumnLayout(int, Qt::Orientation)
vfunc[119]:	QGroupBox::setTitle(QString const&)
vfunc[120]:	QGroupBox::setAlignment(int)
vfunc[121]:	QButtonGroup::setExclusive(bool)
vfunc[122]:	QButtonGroup::setRadioButtonExclusive(bool)
vfunc[123]:	QButtonGroup::setButton(int)
vfunc[124]:	QButtonGroup::moveFocus(int)

The Run Time Type Information for the QButtonGroup class is described by Table 13-273

Table 13-273 typeinfo for QButtonGroup

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QButtonGroup
basetype:	typeinfo for QGroupBox

13.2.1.137 Class data for QSqlRecord

The virtual table for the QSqlRecord class is described by Table 13-274

Table 13-274 Primary vtable for QSqlRecord

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSqlRecord
vfunc[0]:	QSqlRecord::~QSqlRecord()
vfunc[1]:	QSqlRecord::~QSqlRecord()
vfunc[2]:	QSqlRecord::value(int) const
vfunc[3]:	QSqlRecord::value(QString const&) const

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vfunc[4]:	QSqlRecord::setValue(int, QVariant const&)
vfunc[5]:	QSqlRecord::setValue(QString const&, QVariant const&)
vfunc[6]:	QSqlRecord::setGenerated(QString const&, bool)
vfunc[7]:	QSqlRecord::setGenerated(int, bool)
vfunc[8]:	QSqlRecord::setNull(int)
vfunc[9]:	QSqlRecord::setNull(QString const&)
vfunc[10]:	QSqlRecord::append(QSqlField const&)
vfunc[11]:	QSqlRecord::insert(int, QSqlField const&)
vfunc[12]:	QSqlRecord::remove(int)
vfunc[13]:	QSqlRecord::clear()
vfunc[14]:	QSqlRecord::clearValues(bool)
vfunc[15]:	QSqlRecord::toString(QString const&, QString const&) const
vfunc[16]:	QSqlRecord::toStringList(QString const&) const

The Run Time Type Information for the QSqlRecord class is described by Table 13-275

Table 13-275 typeinfo for QSqlRecord

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QSqlRecord

13.2.1.138 Class data for QPicture

The virtual table for the QPicture class is described by Table 13-276

Table 13-276 Primary vtable for QPicture

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QPicture
vfunc[0]:	QPicture::~QPicture()
vfunc[1]:	QPicture::~QPicture()
vfunc[2]:	QPaintDevice::setResolution(int)
vfunc[3]:	QPaintDevice::resolution() const
vfunc[4]:	QPaintDevice::handle() const

vfunc[5]:	QPaintDevice::x11RenderHandle() const
vfunc[6]:	QPaintDevice::setX11Data(QPaintDeviceX11Data const*)
vfunc[7]:	QPicture::cmd(int, QPainter*, QPDevCmdParam*)
vfunc[8]:	QPicture::metric(int) const
vfunc[9]:	QPaintDevice::fontMet(QFont*, int, char const*, int) const
vfunc[10]:	QPaintDevice::fontInf(QFont*, int) const
vfunc[11]:	QPicture::setData(char const*, unsigned int)

The Run Time Type Information for the QPicture class is described by Table 13-277

Table 13-277 typeinfo for QPicture

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QPicture
basetype:	typeinfo for QPaintDevice

13.2.1.139 Class data for QSemaphore

The virtual table for the QSemaphore class is described by Table 13-278

Table 13-278 Primary vtable for QSemaphore

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSemaphore
vfunc[0]:	QSemaphore::~QSemaphore()
vfunc[1]:	QSemaphore::~QSemaphore()

The Run Time Type Information for the QSemaphore class is described by Table 13-279

Table 13-279 typeinfo for QSemaphore

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QSemaphore

13.2.1.140 Class data for QComboBox

The virtual table for the QComboBox class is described by Table 13-280

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Table 13-280 Primary vtable for QComboBox

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QComboBox
vfunc[0]:	QComboBox::metaObject() const
vfunc[1]:	QComboBox::className() const
vfunc[2]:	QComboBox::qt_cast(char const*)
vfunc[3]:	QComboBox::qt_invoke(int, QUObject*)
vfunc[4]:	QComboBox::qt_emit(int, QUObject*)
vfunc[5]:	QComboBox::qt_property(int, int, QVariant*)
vfunc[6]:	QComboBox::~QComboBox()
vfunc[7]:	QComboBox::~QComboBox()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QComboBox::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QComboBox::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)

vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QComboBox::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QComboBox::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QComboBox::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()

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vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QComboBox::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QComboBox::mousePressEvent(QMouseEvent*)
vfunc[70]:	QComboBox::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QComboBox::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QComboBox::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QComboBox::wheelEvent(QWheelEvent*)
vfunc[74]:	QComboBox::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QComboBox::focusInEvent(QFocusEvent*)
vfunc[77]:	QComboBox::focusOutEvent(QFocusEvent*)

vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QComboBox::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QComboBox::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QComboBox::updateMask()
vfunc[97]:	QComboBox::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)

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vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QComboBox::setCurrentItem(int)
vfunc[111]:	QComboBox::setCurrentText(QString const&)
vfunc[112]:	QComboBox::setAutoResize(bool)
vfunc[113]:	QComboBox::setSizeLimit(int)
vfunc[114]:	QComboBox::setMaxCount(int)
vfunc[115]:	QComboBox::setInsertionPolicy(QComboBox::Policy)
vfunc[116]:	QComboBox::setValidator(QValidator const*)
vfunc[117]:	QComboBox::setListBox(QListBox*)
vfunc[118]:	QComboBox::setLineEdit(QLineEdit*)
vfunc[119]:	QComboBox::setAutoCompletion(bool)
vfunc[120]:	QComboBox::popup()
vfunc[121]:	QComboBox::setEditText(QString const&)

The Run Time Type Information for the QComboBox class is described by Table 13-281

Table 13-281 typeinfo for QComboBox

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QComboBox
basetype:	typeinfo for QWidget

13.2.1.141 Class data for QDomText

The virtual table for the QDomText class is described by Table 13-282

Table 13-282 Primary vtable for QDomText

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDomText

vfunc[0]:	QDomText::~QDomText()
vfunc[1]:	QDomText::~QDomText()
vfunc[2]:	QDomNode::insertBefore(QDomNode const&, QDomNode const&)
vfunc[3]:	QDomNode::insertAfter(QDomNode const&, QDomNode const&)
vfunc[4]:	QDomNode::replaceChild(QDomNode const&, QDomNode const&)
vfunc[5]:	QDomNode::removeChild(QDomNode const&)
vfunc[6]:	QDomNode::appendChild(QDomNode const&)
vfunc[7]:	QDomNode::hasChildNodes() const
vfunc[8]:	QDomNode::cloneNode(bool) const
vfunc[9]:	QDomNode::normalize()
vfunc[10]:	QDomNode::isSupported(QString const&, QString const&) const
vfunc[11]:	QDomNode::nodeName() const
vfunc[12]:	QDomText::nodeType() const
vfunc[13]:	QDomNode::parentNode() const
vfunc[14]:	QDomNode::childNodes() const
vfunc[15]:	QDomNode::firstChild() const
vfunc[16]:	QDomNode::lastChild() const
vfunc[17]:	QDomNode::previousSibling() const
vfunc[18]:	QDomNode::nextSibling() const
vfunc[19]:	QDomNode::attributes() const
vfunc[20]:	QDomNode::ownerDocument() const
vfunc[21]:	QDomNode::namespaceURI() const
vfunc[22]:	QDomNode::localName() const
vfunc[23]:	QDomNode::hasAttributes() const
vfunc[24]:	QDomNode::nodeValue() const
vfunc[25]:	QDomNode::setNodeValue(QString const&)
vfunc[26]:	QDomNode::prefix() const
vfunc[27]:	QDomNode::setPrefix(QString const&)
vfunc[28]:	QDomNode::isAttr() const

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vfunc[29]:	QDomNode::isCDATASection() const
vfunc[30]:	QDomNode::isDocumentFragment() const
vfunc[31]:	QDomNode::isDocument() const
vfunc[32]:	QDomNode::isDocumentType() const
vfunc[33]:	QDomNode::isElement() const
vfunc[34]:	QDomNode::isEntityReference() const
vfunc[35]:	QDomText::isText() const
vfunc[36]:	QDomNode::isEntity() const
vfunc[37]:	QDomNode::isNotation() const
vfunc[38]:	QDomNode::isProcessingInstruction() const
vfunc[39]:	QDomCharacterData::isCharacterData() const
vfunc[40]:	QDomNode::isComment() const
vfunc[41]:	QDomCharacterData::substringData(unsigned long, unsigned long)
vfunc[42]:	QDomCharacterData::appendData(QString const&)
vfunc[43]:	QDomCharacterData::insertData(unsigned long, QString const&)
vfunc[44]:	QDomCharacterData::deleteData(unsigned long, unsigned long)
vfunc[45]:	QDomCharacterData::replaceData(unsigned long, unsigned long, QString const&)
vfunc[46]:	QDomCharacterData::length() const
vfunc[47]:	QDomCharacterData::data() const
vfunc[48]:	QDomCharacterData::setData(QString const&)

The Run Time Type Information for the QDomText class is described by Table 13-283

Table 13-283 typeinfo for QDomText

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDomText

basetype:	typeinfo for QDomCharacterData

13.2.1.142 Class data for QVButtonGroup

The virtual table for the QVButtonGroup class is described by Table 13-284

Table 13-284 Primary vtable for QVButtonGroup

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QVButtonGroup
vfunc[0]:	QVButtonGroup::metaObject() const
vfunc[1]:	QVButtonGroup::className() const
vfunc[2]:	QVButtonGroup::qt_cast(char const*)
vfunc[3]:	QVButtonGroup::qt_invoke(int, QUObject*)
vfunc[4]:	QVButtonGroup::qt_emit(int, QUObject*)
vfunc[5]:	QVButtonGroup::qt_property(int, int, QVariant*)
vfunc[6]:	QVButtonGroup::~QVButtonGroup()
vfunc[7]:	QVButtonGroup::~QVButtonGroup()
vfunc[8]:	QButtonGroup::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QGroupBox::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

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vfunc[21]:	QGroupBox::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()

vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QGroupBox::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEve

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	nt*)
vfunc[76]:	QGroupBox::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QGroupBox::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QGroupBox::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QFrame::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QGroupBox::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(

	bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QFrame::drawContents(QPainter*)
vfunc[117]:	QFrame::frameChanged()
vfunc[118]:	QGroupBox::setColumnLayout(int, Qt::Orientation)
vfunc[119]:	QGroupBox::setTitle(QString const&)
vfunc[120]:	QGroupBox::setAlignment(int)
vfunc[121]:	QButtonGroup::setExclusive(bool)
vfunc[122]:	QButtonGroup::setRadioButtonExclusive(bool)
vfunc[123]:	QButtonGroup::setButton(int)
vfunc[124]:	QButtonGroup::moveFocus(int)

The Run Time Type Information for the QVButtonGroup class is described by Table 13-285

Table 13-285 typeinfo for QVButtonGroup

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QVButtonGroup
basetype:	typeinfo for QButtonGroup

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13.2.1.143 Class data for QClipboard

The virtual table for the QClipboard class is described by Table 13-286

Table 13-286 Primary vtable for QClipboard

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QClipboard
vfunc[0]:	QClipboard::metaObject() const
vfunc[1]:	QClipboard::className() const
vfunc[2]:	QClipboard::qt_cast(char const*)
vfunc[3]:	QClipboard::qt_invoke(int, QUObject*)
vfunc[4]:	QClipboard::qt_emit(int, QUObject*)
vfunc[5]:	QClipboard::qt_property(int, int, QVariant*)
vfunc[6]:	QClipboard::~QClipboard()
vfunc[7]:	QClipboard::~QClipboard()
vfunc[8]:	QClipboard::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QClipboard::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

The Run Time Type Information for the QClipboard class is described by Table 13-287

Table 13-287 typeinfo for QClipboard

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QClipboard
basetype:	typeinfo for QObject

13.2.1.144 Class data for QTextEncoder

The virtual table for the QTextEncoder class is described by Table 13-288

Table 13-288 Primary vtable for QTextEncoder

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTextEncoder
vfunc[0]:	QTextEncoder::~QTextEncoder()
vfunc[1]:	QTextEncoder::~QTextEncoder()
vfunc[2]:	__cxa_pure_virtual

The Run Time Type Information for the QTextEncoder class is described by Table 13-289

Table 13-289 typeinfo for QTextEncoder

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QTextEncoder

13.2.1.145 Class data for QCanvasView

The virtual table for the QCanvasView class is described by Table 13-290

Table 13-290 Primary vtable for QCanvasView

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QCanvasView
vfunc[0]:	QCanvasView::metaObject() const
vfunc[1]:	QCanvasView::className() const
vfunc[2]:	QCanvasView::qt_cast(char const*)
vfunc[3]:	QCanvasView::qt_invoke(int, QUObject*)
vfunc[4]:	QCanvasView::qt_emit(int, QUObject*)
vfunc[5]:	QCanvasView::qt_property(int, int, QVariant*)

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vfunc[6]:	QCanvasView::~QCanvasView()
vfunc[7]:	QCanvasView::~QCanvasView()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QScrollView::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QScrollView::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QScrollView::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)

vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPi xmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::F ocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QScrollView::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QScrollView::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QCanvasView::sizeHint() const
vfunc[59]:	QScrollView::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)

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vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QScrollView::mousePressEvent(QMouseEvent*)
vfunc[70]:	QScrollView::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QScrollView::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QScrollView::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QScrollView::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QScrollView::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QScrollView::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)

vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QScrollView::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QScrollView::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QScrollView::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect

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	const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QCanvasView::drawContents(QPainter*)
vfunc[117]:	QScrollView::frameChanged()
vfunc[118]:	QScrollView::setResizePolicy(QScrollView::ResizePolicy)
vfunc[119]:	QScrollView::addChild(QWidget*, int, int)
vfunc[120]:	QScrollView::moveChild(QWidget*, int, int)
vfunc[121]:	QScrollView::setVScrollBarMode(QScrollView::ScrollBarMode)
vfunc[122]:	QScrollView::setHScrollBarMode(QScrollView::ScrollBarMode)
vfunc[123]:	QScrollView::setCornerWidget(QWidget*)
vfunc[124]:	QScrollView::setDragAutoScroll(bool)
vfunc[125]:	QScrollView::resizeContents(int, int)
vfunc[126]:	QScrollView::setContentsPos(int, int)
vfunc[127]:	QCanvasView::drawContents(QPainter*, int, int, int, int)
vfunc[128]:	QScrollView::drawContentsOffset(QPainter*, int, int, int, int, int, int)
vfunc[129]:	QScrollView::contentsMousePressEvent(QMouseEvent*)
vfunc[130]:	QScrollView::contentsMouseReleaseEvent(QMouseEvent*)
vfunc[131]:	QScrollView::contentsMouseDoubleClickEvent(QMouseEvent*)
vfunc[132]:	QScrollView::contentsMouseMoveEvent(QMouseEvent*)
vfunc[133]:	QScrollView::contentsDragEnterEvent(QDragEnterEvent*)
vfunc[134]:	QScrollView::contentsDragMoveEvent(QDragMoveEvent*)
vfunc[135]:	QScrollView::contentsDragLeaveEvent(QDragLeaveEvent*)
vfunc[136]:	QScrollView::contentsDropEvent(QDropEvent*)

vfunc[137]:	QScrollView::contentsWheelEvent(QWheelEvent*)
vfunc[138]:	QScrollView::contentsContextMenuEvent(QContextMenuEvent*)
vfunc[139]:	QScrollView::viewportPaintEvent(QPaintEvent*)
vfunc[140]:	QScrollView::viewportResizeEvent(QResizeEvent*)
vfunc[141]:	QScrollView::viewportMousePressEvent(QMouseEvent*)
vfunc[142]:	QScrollView::viewportMouseReleaseEvent(QMouseEvent*)
vfunc[143]:	QScrollView::viewportMouseDoubleClickEvent(QMouseEvent*)
vfunc[144]:	QScrollView::viewportMouseMoveEvent(QMouseEvent*)
vfunc[145]:	QScrollView::viewportDragEnterEvent(QDragEnterEvent*)
vfunc[146]:	QScrollView::viewportDragMoveEvent(QDragMoveEvent*)
vfunc[147]:	QScrollView::viewportDragLeaveEvent(QDragLeaveEvent*)
vfunc[148]:	QScrollView::viewportDropEvent(QDropEvent*)
vfunc[149]:	QScrollView::viewportWheelEvent(QWheelEvent*)
vfunc[150]:	QScrollView::viewportContextMenuEvent(QContextMenuEvent*)
vfunc[151]:	QScrollView::setMargins(int, int, int, int)
vfunc[152]:	QScrollView::setHBarGeometry(QScrollBar&, int, int, int, int)
vfunc[153]:	QScrollView::setVBarGeometry(QScrollBar&, int, int, int, int)

The Run Time Type Information for the QCanvasView class is described by Table 13-291

Table 13-291 typeinfo for QCanvasView

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QCanvasView
basetype:	typeinfo for QScrollView

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13.2.1.146 Class data for QPixmap

The virtual table for the QPixmap class is described by Table 13-292

Table 13-292 Primary vtable for QPixmap

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QPixmap
vfunc[0]:	QPixmap::~QPixmap()
vfunc[1]:	QPixmap::~QPixmap()
vfunc[2]:	QPaintDevice::setResolution(int)
vfunc[3]:	QPaintDevice::resolution() const
vfunc[4]:	QPaintDevice::handle() const
vfunc[5]:	QPaintDevice::x11RenderHandle() const
vfunc[6]:	QPaintDevice::setX11Data(QPaintDeviceX11Data const*)
vfunc[7]:	QPaintDevice::cmd(int, QPainter*, QPDevCmdParam*)
vfunc[8]:	QPixmap::metric(int) const
vfunc[9]:	QPaintDevice::fontMet(QFont*, int, char const*, int) const
vfunc[10]:	QPaintDevice::fontInf(QFont*, int) const
vfunc[11]:	QPixmap::detach()

The Run Time Type Information for the QPixmap class is described by Table 13-293

Table 13-293 typeinfo for QPixmap

Base Vtable	vtable for __cxxabiv1::__vmi_class_type_info	
Name	typeinfo name for QPixmap	
flags:	0	
basetype:	typeinfo for QPaintDevice	2
basetype:	typeinfo for Qt	2

13.2.1.147 Class data for QGrid

The virtual table for the QGrid class is described by Table 13-294

Table 13-294 Primary vtable for QGrid

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QGrid
vfunc[0]:	QGrid::metaObject() const
vfunc[1]:	QGrid::className() const
vfunc[2]:	QGrid::qt_cast(char const*)
vfunc[3]:	QGrid::qt_invoke(int, QUObject*)
vfunc[4]:	QGrid::qt_emit(int, QUObject*)
vfunc[5]:	QGrid::qt_property(int, int, QVariant*)
vfunc[6]:	QGrid::~QGrid()
vfunc[7]:	QGrid::~QGrid()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)

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vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)

vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QGrid::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)

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vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QFrame::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QFrame::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)

vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QFrame::drawContents(QPainter*)
vfunc[117]:	QGrid::frameChanged()

The Run Time Type Information for the QGrid class is described by Table 13-295

Table 13-295 typeinfo for QGrid

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QGrid
basetype:	typeinfo for QFrame

13.2.1.148 Class data for QRadioButton

The virtual table for the QRadioButton class is described by Table 13-296

Table 13-296 Primary vtable for QRadioButton

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QRadioButton
vfunc[0]:	QRadioButton::metaObject() const
vfunc[1]:	QRadioButton::className() const
vfunc[2]:	QRadioButton::qt_cast(char const*)
vfunc[3]:	QRadioButton::qt_invoke(int, QUObject*)
vfunc[4]:	QRadioButton::qt_emit(int, QUObject*)
vfunc[5]:	QRadioButton::qt_property(int, int, QVariant*)
vfunc[6]:	QRadioButton::~QRadioButton()
vfunc[7]:	QRadioButton::~QRadioButton()
vfunc[8]:	QWidget::event(QEvent*)

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vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColo r(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixm ap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)

vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPi xmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::F ocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QRadioButton::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)

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vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QButton::mousePressEvent(QMouseEvent*)
vfunc[70]:	QButton::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QButton::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QButton::keyPressEvent(QKeyEvent*)
vfunc[75]:	QButton::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QButton::focusInEvent(QFocusEvent*)
vfunc[77]:	QButton::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QButton::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QRadioButton::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)

vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QRadioButton::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QButton::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QButton::setText(QString const&)
vfunc[111]:	QButton::setPixmap(QPixmap const&)
vfunc[112]:	QButton::setAccel(QKeySequence const&)
vfunc[113]:	QButton::setDown(bool)
vfunc[114]:	QButton::setAutoRepeat(bool)
vfunc[115]:	QButton::setToggleType(QButton::ToggleType)
vfunc[116]:	QButton::setState(QButton::ToggleState)
vfunc[117]:	QRadioButton::hitButton(QPoint

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	const&) const
vfunc[118]:	QRadioButton::drawButton(QPainter *)
vfunc[119]:	QRadioButton::drawButtonLabel(QPainter*)
vfunc[120]:	QButton::setGroup(QButtonGroup*)
vfunc[121]:	QRadioButton::setChecked(bool)

The Run Time Type Information for the QRadioButton class is described by Table 13-297

Table 13-297 typeinfo for QRadioButton

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QRadioButton
basetype:	typeinfo for QButton

13.2.1.149 Class data for QAsyncIO

The virtual table for the QAsyncIO class is described by Table 13-298

Table 13-298 Primary vtable for QAsyncIO

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QAsyncIO
vfunc[0]:	QAsyncIO::~QAsyncIO()
vfunc[1]:	QAsyncIO::~QAsyncIO()

The Run Time Type Information for the QAsyncIO class is described by Table 13-299

Table 13-299 typeinfo for QAsyncIO

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QAsyncIO

13.2.1.150 Class data for QSlider

The virtual table for the QSlider class is described by Table 13-300

Table 13-300 Primary vtable for QSlider

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSlider

vfunc[0]:	QSlider::metaObject() const
vfunc[1]:	QSlider::className() const
vfunc[2]:	QSlider::qt_cast(char const*)
vfunc[3]:	QSlider::qt_invoke(int, QUObject*)
vfunc[4]:	QSlider::qt_emit(int, QUObject*)
vfunc[5]:	QSlider::qt_property(int, int, QVariant*)
vfunc[6]:	QSlider::~QSlider()
vfunc[7]:	QSlider::~QSlider()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QSlider::setPalette(QPalette const&)

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vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)

vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QSlider::sizeHint() const
vfunc[59]:	QSlider::minimumSizeHint() const
vfunc[60]:	QSlider::sizePolicy() const
vfunc[61]:	QSlider::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QSlider::mousePressEvent(QMouseEvent*)
vfunc[70]:	QSlider::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QSlider::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QSlider::wheelEvent(QWheelEvent*)
vfunc[74]:	QSlider::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QSlider::focusInEvent(QFocusEvent*)
vfunc[77]:	QSlider::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QSlider::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QSlider::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)

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vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QSlider::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QSlider::setOrientation(Qt::Orientation)
vfunc[111]:	QSlider::setTracking(bool)
vfunc[112]:	QSlider::setTickmarks(QSlider::TickS

	etting)
vfunc[113]:	QSlider::setTickInterval(int)
vfunc[114]:	QSlider::setValue(int)
vfunc[115]:	QSlider::valueChange()
vfunc[116]:	QSlider::rangeChange()

The Run Time Type Information for the QSlider class is described by Table 13-301

Table 13-301 typeinfo for QSlider

Base Vtable	vtable for __cxxabiv1::__vmi_class_type_info	
Name	typeinfo name for QSlider	
flags:	0	
basetype:	typeinfo for QWidget	2
basetype:	typeinfo for QRangeControl	29698

13.2.1.151 Class data for QHttpResponseHeader

The virtual table for the QHttpResponseHeader class is described by Table 13-302

Table 13-302 Primary vtable for QHttpResponseHeader

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QHttpResponseHeader
vfunc[0]:	QHttpResponseHeader::~QHttpResponseHeader()
vfunc[1]:	QHttpResponseHeader::~QHttpResponseHeader()
vfunc[2]:	QHttpResponseHeader::toString() const
vfunc[3]:	QHttpResponseHeader::majorVersion() const
vfunc[4]:	QHttpResponseHeader::minorVersion() const
vfunc[5]:	QHttpResponseHeader::parseLine(QString const&, int)

The Run Time Type Information for the QHttpResponseHeader class is described by Table 13-303

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Table 13-303 typeinfo for QHttpResponseHeader

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QHttpResponseHeader
basetype:	typeinfo for QHttpHeader

13.2.1.152 Class data for QDomCharacterData

The virtual table for the QDomCharacterData class is described by Table 13-304

Table 13-304 Primary vtable for QDomCharacterData

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDomCharacterData
vfunc[0]:	QDomCharacterData::~QDomCharacterData()
vfunc[1]:	QDomCharacterData::~QDomCharacterData()
vfunc[2]:	QDomNode::insertBefore(QDomNode const&, QDomNode const&)
vfunc[3]:	QDomNode::insertAfter(QDomNode const&, QDomNode const&)
vfunc[4]:	QDomNode::replaceChild(QDomNode const&, QDomNode const&)
vfunc[5]:	QDomNode::removeChild(QDomNode const&)
vfunc[6]:	QDomNode::appendChild(QDomNode const&)
vfunc[7]:	QDomNode::hasChildNodes() const
vfunc[8]:	QDomNode::cloneNode(bool) const
vfunc[9]:	QDomNode::normalize()
vfunc[10]:	QDomNode::isSupported(QString const&, QString const&) const
vfunc[11]:	QDomNode::nodeName() const
vfunc[12]:	QDomCharacterData::nodeType() const
vfunc[13]:	QDomNode::parentNode() const
vfunc[14]:	QDomNode::childNodes() const
vfunc[15]:	QDomNode::firstChild() const
vfunc[16]:	QDomNode::lastChild() const

vfunc[17]:	QDomNode::previousSibling() const
vfunc[18]:	QDomNode::nextSibling() const
vfunc[19]:	QDomNode::attributes() const
vfunc[20]:	QDomNode::ownerDocument() const
vfunc[21]:	QDomNode::namespaceURI() const
vfunc[22]:	QDomNode::localName() const
vfunc[23]:	QDomNode::hasAttributes() const
vfunc[24]:	QDomNode::nodeValue() const
vfunc[25]:	QDomNode::setNodeValue(QString const&)
vfunc[26]:	QDomNode::prefix() const
vfunc[27]:	QDomNode::setPrefix(QString const&)
vfunc[28]:	QDomNode::isAttr() const
vfunc[29]:	QDomNode::isCDATASection() const
vfunc[30]:	QDomNode::isDocumentFragment() const
vfunc[31]:	QDomNode::isDocument() const
vfunc[32]:	QDomNode::isDocumentType() const
vfunc[33]:	QDomNode::isElement() const
vfunc[34]:	QDomNode::isEntityReference() const
vfunc[35]:	QDomNode::isText() const
vfunc[36]:	QDomNode::isEntity() const
vfunc[37]:	QDomNode::isNotation() const
vfunc[38]:	QDomNode::isProcessingInstruction() const
vfunc[39]:	QDomCharacterData::isCharacterData() const
vfunc[40]:	QDomNode::isComment() const
vfunc[41]:	QDomCharacterData::substringData(unsigned long, unsigned long)
vfunc[42]:	QDomCharacterData::appendData(QString const&)
vfunc[43]:	QDomCharacterData::insertData(unsigned long, QString const&)

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vfunc[44]:	QDomCharacterData::deleteData(unsigned long, unsigned long)
vfunc[45]:	QDomCharacterData::replaceData(unsigned long, unsigned long, QString const&)
vfunc[46]:	QDomCharacterData::length() const
vfunc[47]:	QDomCharacterData::data() const
vfunc[48]:	QDomCharacterData::setData(QString const&)

The Run Time Type Information for the QDomCharacterData class is described by Table 13-305

Table 13-305 typeinfo for QDomCharacterData

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDomCharacterData
basetype:	typeinfo for QDomNode

13.2.1.153 Class data for QDragEnterEvent

The virtual table for the QDragEnterEvent class is described by Table 13-306

Table 13-306 Primary vtable for QDragEnterEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDragEnterEvent
vfunc[0]:	QDragEnterEvent::~QDragEnterEvent()
vfunc[1]:	QDragEnterEvent::~QDragEnterEvent()
vfunc[2]:	QDropEvent::format(int) const
vfunc[3]:	QDropEvent::encodedData(char const*) const
vfunc[4]:	QDropEvent::provides(char const*) const

The Run Time Type Information for the QDragEnterEvent class is described by Table 13-307

Table 13-307 typeinfo for QDragEnterEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info

Name	typeinfo name for QDragEnterEvent
basetype:	typeinfo for QDragMoveEvent

13.2.1.154 Class data for QActionGroup

The virtual table for the QActionGroup class is described by Table 13-308

Table 13-308 Primary vtable for QActionGroup

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QActionGroup
vfunc[0]:	QActionGroup::metaObject() const
vfunc[1]:	QActionGroup::className() const
vfunc[2]:	QActionGroup::qt_cast(char const*)
vfunc[3]:	QActionGroup::qt_invoke(int, QUObject*)
vfunc[4]:	QActionGroup::qt_emit(int, QUObject*)
vfunc[5]:	QActionGroup::qt_property(int, int, QVariant*)
vfunc[6]:	QActionGroup::~QActionGroup()
vfunc[7]:	QActionGroup::~QActionGroup()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QActionGroup::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char

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	const*, QObject const*, char const*)
vfunc[21]:	QActionGroup::setIconSet(QIconSet const&)
vfunc[22]:	QActionGroup::setText(QString const&)
vfunc[23]:	QActionGroup::setMenuText(QString const&)
vfunc[24]:	QActionGroup::setToolTip(QString const&)
vfunc[25]:	QAction::setStatusTip(QString const&)
vfunc[26]:	QActionGroup::setWhatsThis(QString const&)
vfunc[27]:	QAction::setAccel(QKeySequence const&)
vfunc[28]:	QActionGroup::setToggleAction(bool)
vfunc[29]:	QActionGroup::addTo(QWidget*)
vfunc[30]:	QActionGroup::removeFrom(QWidget*)
vfunc[31]:	QActionGroup::addedTo(QWidget*, QWidget*)
vfunc[32]:	QActionGroup::addedTo(int, QPopupMenu*)
vfunc[33]:	QActionGroup::setOn(bool)
vfunc[34]:	QActionGroup::setEnabled(bool)
vfunc[35]:	QActionGroup::addedTo(QWidget*, QWidget*, QAction*)
vfunc[36]:	QActionGroup::addedTo(int, QPopupMenu*, QAction*)

The Run Time Type Information for the QActionGroup class is described by Table 13-309

Table 13-309 typeinfo for QActionGroup

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QActionGroup
basetype:	typeinfo for QAction

13.2.1.155 Class data for QDataTable

The virtual table for the QDataTable class is described by Table 13-310

Table 13-310 Primary vtable for QDataTable

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDataTable
vfunc[0]:	QDataTable::metaObject() const
vfunc[1]:	QDataTable::className() const
vfunc[2]:	QDataTable::qt_cast(char const*)
vfunc[3]:	QDataTable::qt_invoke(int, QUObject*)
vfunc[4]:	QDataTable::qt_emit(int, QUObject*)
vfunc[5]:	QDataTable::qt_property(int, int, QVariant*)
vfunc[6]:	QDataTable::~QDataTable()
vfunc[7]:	QDataTable::~QDataTable()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QDataTable::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QScrollView::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QTable::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B

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	ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QScrollView::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()

vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QScrollView::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QTable::sizeHint() const
vfunc[59]:	QScrollView::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QScrollView::mousePressEvent(QMouseEvent*)
vfunc[70]:	QScrollView::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QScrollView::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QScrollView::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QScrollView::wheelEvent(QWheelEvent*)
vfunc[74]:	QDataTable::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QTable::focusInEvent(QFocusEvent*)
vfunc[77]:	QTable::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)

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vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QTable::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QDataTable::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QScrollView::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QTable::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QScrollView::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QScrollView::fontChange(QFont const&)
vfunc[101]:	QTable::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)

vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QScrollView::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QTable::drawContents(QPainter*)
vfunc[117]:	QScrollView::frameChanged()
vfunc[118]:	QScrollView::setResizePolicy(QScrollView::ResizePolicy)
vfunc[119]:	QScrollView::addChild(QWidget*, int, int)
vfunc[120]:	QScrollView::moveChild(QWidget*, int, int)
vfunc[121]:	QScrollView::setVScrollBarMode(QScrollView::ScrollBarMode)
vfunc[122]:	QScrollView::setHScrollBarMode(QScrollView::ScrollBarMode)
vfunc[123]:	QScrollView::setCornerWidget(QWidget*)
vfunc[124]:	QScrollView::setDragAutoScroll(bool)
vfunc[125]:	QScrollView::resizeContents(int, int)
vfunc[126]:	QScrollView::setContentsPos(int, int)
vfunc[127]:	QDataTable::drawContents(QPainter*, int, int, int, int)
vfunc[128]:	QScrollView::drawContentsOffset(QPainter*, int, int, int, int, int, int)
vfunc[129]:	QDataTable::contentsMousePressEvent(QMouseEvent*)
vfunc[130]:	QTable::contentsMouseReleaseEvent(QMouseEvent*)

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vfunc[131]:	QTable::contentsMouseDoubleClickEvent(QMouseEvent*)
vfunc[132]:	QTable::contentsMouseMoveEvent(QMouseEvent*)
vfunc[133]:	QTable::contentsDragEnterEvent(QDragEnterEvent*)
vfunc[134]:	QTable::contentsDragMoveEvent(QDragMoveEvent*)
vfunc[135]:	QTable::contentsDragLeaveEvent(QDragLeaveEvent*)
vfunc[136]:	QTable::contentsDropEvent(QDropEvent*)
vfunc[137]:	QScrollView::contentsWheelEvent(QWheelEvent*)
vfunc[138]:	QDataTable::contentsContextMenuEvent(QContextMenuEvent*)
vfunc[139]:	QScrollView::viewportPaintEvent(QPaintEvent*)
vfunc[140]:	QTable::viewportResizeEvent(QResizeEvent*)
vfunc[141]:	QScrollView::viewportMousePressEvent(QMouseEvent*)
vfunc[142]:	QScrollView::viewportMouseReleaseEvent(QMouseEvent*)
vfunc[143]:	QScrollView::viewportMouseDoubleClickEvent(QMouseEvent*)
vfunc[144]:	QScrollView::viewportMouseMoveEvent(QMouseEvent*)
vfunc[145]:	QScrollView::viewportDragEnterEvent(QDragEnterEvent*)
vfunc[146]:	QScrollView::viewportDragMoveEvent(QDragMoveEvent*)
vfunc[147]:	QScrollView::viewportDragLeaveEvent(QDragLeaveEvent*)
vfunc[148]:	QScrollView::viewportDropEvent(QDropEvent*)
vfunc[149]:	QScrollView::viewportWheelEvent(QWheelEvent*)
vfunc[150]:	QScrollView::viewportContextMenuEvent(QContextMenuEvent*)
vfunc[151]:	QScrollView::setMargins(int, int, int, int)

vfunc[152]:	QScrollView::setHBarGeometry(QScrollBar&, int, int, int, int)
vfunc[153]:	QScrollView::setVBarGeometry(QScrollBar&, int, int, int, int)
vfunc[154]:	QTable::setSelectionMode(QTable::SelectionMode)
vfunc[155]:	QDataTable::setItem(int, int, QTableItem*)
vfunc[156]:	QTable::setText(int, int, QString const&)
vfunc[157]:	QDataTable::setPixmap(int, int, QPixmap const&)
vfunc[158]:	QDataTable::item(int, int) const
vfunc[159]:	QDataTable::text(int, int) const
vfunc[160]:	QTable::pixmap(int, int) const
vfunc[161]:	QDataTable::clearCell(int, int)
vfunc[162]:	QTable::cellGeometry(int, int) const
vfunc[163]:	QTable::columnWidth(int) const
vfunc[164]:	QTable::rowHeight(int) const
vfunc[165]:	QTable::columnPos(int) const
vfunc[166]:	QTable::rowPos(int) const
vfunc[167]:	QTable::columnAt(int) const
vfunc[168]:	QTable::rowAt(int) const
vfunc[169]:	QDataTable::numRows() const
vfunc[170]:	QDataTable::numCols() const
vfunc[171]:	QTable::addSelection(QTableSelection const&)
vfunc[172]:	QTable::removeSelection(QTableSelection const&)
vfunc[173]:	QTable::removeSelection(int)
vfunc[174]:	QTable::currentSelection() const
vfunc[175]:	QDataTable::sortColumn(int, bool, bool)
vfunc[176]:	QDataTable::takeItem(QTableItem*)
vfunc[177]:	QTable::setCellWidget(int, int, QWidget*)
vfunc[178]:	QTable::cellWidget(int, int) const
vfunc[179]:	QTable::clearCellWidget(int, int)

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vfunc[180]:	QTable::cellRect(int, int) const
vfunc[181]:	QTable::paintCell(QPainter*, int, int, QRect const&, bool)
vfunc[182]:	QDataTable::paintCell(QPainter*, int, int, QRect const&, bool, QColorGroup const&)
vfunc[183]:	QTable::paintFocus(QPainter*, QRect const&)
vfunc[184]:	QTable::setFocusStyle(QTable::Focus Style)
vfunc[185]:	QDataTable::setNumRows(int)
vfunc[186]:	QDataTable::setNumCols(int)
vfunc[187]:	QTable::setShowGrid(bool)
vfunc[188]:	QTable::hideRow(int)
vfunc[189]:	QDataTable::hideColumn(int)
vfunc[190]:	QTable::showRow(int)
vfunc[191]:	QDataTable::showColumn(int)
vfunc[192]:	QDataTable::setColumnWidth(int, int)
vfunc[193]:	QTable::setRowHeight(int, int)
vfunc[194]:	QDataTable::adjustColumn(int)
vfunc[195]:	QTable::adjustRow(int)
vfunc[196]:	QDataTable::setColumnStretchable(int, bool)
vfunc[197]:	QTable::setRowStretchable(int, bool)
vfunc[198]:	QTable::setSorting(bool)
vfunc[199]:	QTable::swapRows(int, int, bool)
vfunc[200]:	QDataTable::swapColumns(int, int, bool)
vfunc[201]:	QTable::swapCells(int, int, int, int)
vfunc[202]:	QTable::setLeftMargin(int)
vfunc[203]:	QTable::setTopMargin(int)
vfunc[204]:	QTable::setCurrentCell(int, int)
vfunc[205]:	QTable::setColumnMovingEnabled(bool)
vfunc[206]:	QTable::setRowMovingEnabled(bool)
vfunc[207]:	QTable::setReadOnly(bool)

vfunc[208]:	QTable::setRowReadOnly(int, bool)
vfunc[209]:	QTable::setColumnReadOnly(int, bool)
vfunc[210]:	QTable::setDragEnabled(bool)
vfunc[211]:	QTable::insertRows(int, int)
vfunc[212]:	QTable::insertColumns(int, int)
vfunc[213]:	QTable::removeRow(int)
vfunc[214]:	QTable::removeRows(QMemArray<int> const&)
vfunc[215]:	QTable::removeColumn(int)
vfunc[216]:	QTable::removeColumns(QMemArray<int> const&)
vfunc[217]:	QTable::editCell(int, int, bool)
vfunc[218]:	QTable::dragObject()
vfunc[219]:	QTable::startDrag()
vfunc[220]:	QTable::paintEmptyArea(QPainter*, int, int, int, int)
vfunc[221]:	QDataTable::activateNextCell()
vfunc[222]:	QDataTable::createEditor(int, int, bool) const
vfunc[223]:	QTable::setCellContentFromEditor(int, int)
vfunc[224]:	QDataTable::beginEdit(int, int, bool)
vfunc[225]:	QDataTable::endEdit(int, int, bool, bool)
vfunc[226]:	QDataTable::resizeData(int)
vfunc[227]:	QTable::insertWidget(int, int, QWidget*)
vfunc[228]:	QTable::columnWidthChanged(int)
vfunc[229]:	QTable::rowHeightChanged(int)
vfunc[230]:	QTable::columnIndexChanged(int, int, int)
vfunc[231]:	QTable::rowIndexChanged(int, int, int)
vfunc[232]:	QDataTable::columnClicked(int)
vfunc[233]:	QDataTable::addColumn(QString const&, QString const&, int, QIconSet const&)
vfunc[234]:	QDataTable::removeColumn(unsigne

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	d int)
vfunc[235]:	QDataTable::setColumn(unsigned int, QString const&, QString const&, int, QIconSet const&)
vfunc[236]:	QDataTable::setSqlCursor(QSqlCursor*, bool, bool)
vfunc[237]:	QDataTable::setNullText(QString const&)
vfunc[238]:	QDataTable::setTrueText(QString const&)
vfunc[239]:	QDataTable::setFalseText(QString const&)
vfunc[240]:	QDataTable::setDateFormat(Qt::DateFormat)
vfunc[241]:	QDataTable::setConfirmEdits(bool)
vfunc[242]:	QDataTable::setConfirmInsert(bool)
vfunc[243]:	QDataTable::setConfirmUpdate(bool)
vfunc[244]:	QDataTable::setConfirmDelete(bool)
vfunc[245]:	QDataTable::setConfirmCancels(bool)
vfunc[246]:	QDataTable::setAutoDelete(bool)
vfunc[247]:	QDataTable::setAutoEdit(bool)
vfunc[248]:	QDataTable::setFilter(QString const&)
vfunc[249]:	QDataTable::setSort(QStringList const&)
vfunc[250]:	QDataTable::setSort(QSqlIndex const&)
vfunc[251]:	QDataTable::find(QString const&, bool, bool)
vfunc[252]:	QDataTable::sortAscending(int)
vfunc[253]:	QDataTable::sortDescending(int)
vfunc[254]:	QDataTable::refresh()
vfunc[255]:	QDataTable::insertCurrent()
vfunc[256]:	QDataTable::updateCurrent()
vfunc[257]:	QDataTable::deleteCurrent()
vfunc[258]:	QDataTable::confirmEdit(QSql::Op)
vfunc[259]:	QDataTable::confirmCancel(QSql::Op)

vfunc[260]:	QDataTable::handleError(QSqlError const&)
vfunc[261]:	QDataTable::beginInsert()
vfunc[262]:	QDataTable::beginUpdate(int, int, bool)
vfunc[263]:	QDataTable::paintField(QPainter*, QSqlField const*, QRect const&, bool)
vfunc[264]:	QDataTable::fieldAlignment(QSqlField const*)

The Run Time Type Information for the QDataTable class is described by Table 13-311

Table 13-311 typeinfo for QDataTable

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDataTable
basetype:	typeinfo for QTable

13.2.1.156 Class data for QDragMoveEvent

The virtual table for the QDragMoveEvent class is described by Table 13-312

Table 13-312 Primary vtable for QDragMoveEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDragMoveEvent
vfunc[0]:	QDragMoveEvent::~QDragMoveEvent()
vfunc[1]:	QDragMoveEvent::~QDragMoveEvent()
vfunc[2]:	QDropEvent::format(int) const
vfunc[3]:	QDropEvent::encodedData(char const*) const
vfunc[4]:	QDropEvent::provides(char const*) const

The Run Time Type Information for the QDragMoveEvent class is described by Table 13-313

Table 13-313 typeinfo for QDragMoveEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info

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Name	typeinfo name for QDragMoveEvent
basetype:	typeinfo for QDropEvent

13.2.1.157 Class data for QCanvasEllipse

The virtual table for the QCanvasEllipse class is described by Table 13-314

Table 13-314 Primary vtable for QCanvasEllipse

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QCanvasEllipse
vfunc[0]:	QCanvasEllipse::~QCanvasEllipse()
vfunc[1]:	QCanvasEllipse::~QCanvasEllipse()
vfunc[2]:	QCanvasItem::moveBy(double, double)
vfunc[3]:	QCanvasItem::setAnimated(bool)
vfunc[4]:	QCanvasItem::setVelocity(double, double)
vfunc[5]:	QCanvasItem::advance(int)
vfunc[6]:	QCanvasEllipse::collidesWith(QCanvasItem const*) const
vfunc[7]:	QCanvasItem::setCanvas(QCanvas*)
vfunc[8]:	QCanvasPolygonalItem::draw(QPainter&)
vfunc[9]:	QCanvasItem::setVisible(bool)
vfunc[10]:	QCanvasItem::setSelected(bool)
vfunc[11]:	QCanvasItem::setEnabled(bool)
vfunc[12]:	QCanvasItem::setActive(bool)
vfunc[13]:	QCanvasEllipse::rtti() const
vfunc[14]:	QCanvasPolygonalItem::boundingRect() const
vfunc[15]:	QCanvasItem::boundingRectAdvanced() const
vfunc[16]:	QCanvasPolygonalItem::chunks() const
vfunc[17]:	QCanvasItem::addToChunks()
vfunc[18]:	QCanvasItem::removeFromChunks()
vfunc[19]:	QCanvasItem::changeChunks()
vfunc[20]:	QCanvasEllipse::collidesWith(QCanvasSprite const*,

	QCanvasPolygonalItem const*, QCanvasRectangle const*, QCanvasEllipse const*, QCanvasText const*) const
vfunc[21]:	QCanvasPolygonalItem::setPen(QPen)
vfunc[22]:	QCanvasPolygonalItem::setBrush(QBrush)
vfunc[23]:	QCanvasEllipse::areaPoints() const
vfunc[24]:	QCanvasPolygonalItem::areaPointsAdvanced() const
vfunc[25]:	QCanvasEllipse::drawShape(QPainter&)

The Run Time Type Information for the QCanvasEllipse class is described by Table 13-315

Table 13-315 typeinfo for QCanvasEllipse

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QCanvasEllipse
basetype:	typeinfo for QCanvasPolygonalItem

13.2.1.158 Class data for QDropEvent

The virtual table for the QDropEvent class is described by Table 13-316

Table 13-316 Primary vtable for QDropEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDropEvent
vfunc[0]:	QDropEvent::~QDropEvent()
vfunc[1]:	QDropEvent::~QDropEvent()
vfunc[2]:	QDropEvent::format(int) const
vfunc[3]:	QDropEvent::encodedData(char const*) const
vfunc[4]:	QDropEvent::provides(char const*) const

The Run Time Type Information for the QDropEvent class is described by Table 13-317

Table 13-317 typeinfo for QDropEvent

Base Vtable	vtable for __cxxabiv1::__vmi_class	

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	_type_info	
Name	typeinfo name for QDropEvent	
flags:	0	
basetype:	typeinfo for QEvent	2
basetype:	typeinfo for QMimeSource	3074

13.2.1.159 Class data for QMainWindow

The virtual table for the QMainWindow class is described by Table 13-318

Table 13-318 Primary vtable for QMainWindow

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QMainWindow
vfunc[0]:	QMainWindow::metaObject() const
vfunc[1]:	QMainWindow::className() const
vfunc[2]:	QMainWindow::qt_cast(char const*)
vfunc[3]:	QMainWindow::qt_invoke(int, QUObject*)
vfunc[4]:	QMainWindow::qt_emit(int, QUObject*)
vfunc[5]:	QMainWindow::qt_property(int, int, QVariant*)
vfunc[6]:	QMainWindow::~QMainWindow()
vfunc[7]:	QMainWindow::~QMainWindow()
vfunc[8]:	QMainWindow::event(QEvent*)
vfunc[9]:	QMainWindow::eventFilter(QObject* , QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QMainWindow::childEvent(QChildE vent*)
vfunc[17]:	QObject::customEvent(QCustomEve

	nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()

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vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QMainWindow::show()
vfunc[48]:	QMainWindow::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QMainWindow::sizeHint() const
vfunc[59]:	QMainWindow::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMous

	eEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent *)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent *)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent *)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QMainWindow::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QWidget::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QMainWindow::styleChange(QStyle &)

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vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QMainWindow::setCentralWidget(QWidget*)
vfunc[111]:	QMainWindow::setDockEnabled(Qt::Dock, bool)
vfunc[112]:	QMainWindow::setDockEnabled(QDockWindow*, Qt::Dock, bool)
vfunc[113]:	QMainWindow::addDockWindow(QDockWindow*, Qt::Dock, bool)
vfunc[114]:	QMainWindow::addDockWindow(QDockWindow*, QString const&, Qt::Dock, bool)
vfunc[115]:	QMainWindow::moveDockWindow(QDockWindow*, Qt::Dock)
vfunc[116]:	QMainWindow::moveDockWindow(QDockWindow*, Qt::Dock, bool, int, int)
vfunc[117]:	QMainWindow::removeDockWindow(QDockWindow*)
vfunc[118]:	QMainWindow::dockingArea(QPoint const&)
vfunc[119]:	QMainWindow::isCustomizable() const
vfunc[120]:	QMainWindow::setRightJustification(bool)
vfunc[121]:	QMainWindow::setUsesBigPixmaps(

	bool)
vfunc[122]:	QMainWindow::setUsesTextLabel(bool)
vfunc[123]:	QMainWindow::setDockWindowsMovable(bool)
vfunc[124]:	QMainWindow::setOpaqueMoving(bool)
vfunc[125]:	QMainWindow::setDockMenuEnabled(bool)
vfunc[126]:	QMainWindow::whatsThis()
vfunc[127]:	QMainWindow::setAppropriate(QDockWindow*, bool)
vfunc[128]:	QMainWindow::customize()
vfunc[129]:	QMainWindow::setUpLayout()
vfunc[130]:	QMainWindow::showDockMenu(QPoint const&)
vfunc[131]:	QMainWindow::setMenuBar(QMenuBar*)
vfunc[132]:	QMainWindow::setStatusBar(QStatusBar*)
vfunc[133]:	QMainWindow::setToolTipGroup(QToolTipGroup*)

The Run Time Type Information for the QMainWindow class is described by Table 13-319

Table 13-319 typeinfo for QMainWindow

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QMainWindow
basetype:	typeinfo for QWidget

13.2.1.160 Class data for QStatusBar

The virtual table for the QStatusBar class is described by Table 13-320

Table 13-320 Primary vtable for QStatusBar

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QStatusBar
vfunc[0]:	QStatusBar::metaObject() const
vfunc[1]:	QStatusBar::className() const

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vfunc[2]:	QStatusBar::qt_cast(char const*)
vfunc[3]:	QStatusBar::qt_invoke(int, QUObject*)
vfunc[4]:	QStatusBar::qt_emit(int, QUObject*)
vfunc[5]:	QStatusBar::qt_property(int, int, QVariant*)
vfunc[6]:	QStatusBar::~QStatusBar()
vfunc[7]:	QStatusBar::~QStatusBar()
vfunc[8]:	QStatusBar::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColo

	r(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)

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vfunc[58]:	QWidget::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QStatusBar::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QStatusBar::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)

vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QStatusBar::addWidget(QWidget*, int, bool)

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vfunc[111]:	QStatusBar::removeWidget(QWidget *)

The Run Time Type Information for the QStatusBar class is described by Table 13-321

Table 13-321 typeinfo for QStatusBar

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QStatusBar
basetype:	typeinfo for QWidget

13.2.1.161 Class data for QStrList

The virtual table for the QStrList class is described by Table 13-322

Table 13-322 Primary vtable for QStrList

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QStrList
vfunc[0]:	QPtrList<char>::count() const
vfunc[1]:	QPtrList<char>::clear()
vfunc[2]:	QStrList::~QStrList()
vfunc[3]:	QStrList::~QStrList()
vfunc[4]:	QStrList::newItem(void*)
vfunc[5]:	QStrList::deleteItem(void*)
vfunc[6]:	QStrList::compareItems(void*, void*)
vfunc[7]:	QStrList::read(QDataStream&, void*&)
vfunc[8]:	QStrList::write(QDataStream&, void*) const

The Run Time Type Information for the QStrList class is described by Table 13-323

Table 13-323 typeinfo for QStrList

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QStrList
basetype:	typeinfo for QPtrList<char>

13.2.1.162 Class data for QTsciiCodec

The virtual table for the QTsciiCodec class is described by Table 13-324

Table 13-324 Primary vtable for QTsciiCodec

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTsciiCodec
vfunc[0]:	QTsciiCodec::~QTsciiCodec()
vfunc[1]:	QTsciiCodec::~QTsciiCodec()
vfunc[2]:	QTsciiCodec::name() const
vfunc[3]:	QTextCodec::mimeName() const
vfunc[4]:	QTsciiCodec::mibEnum() const
vfunc[5]:	QTextCodec::makeDecoder() const
vfunc[6]:	QTextCodec::makeEncoder() const
vfunc[7]:	QTsciiCodec::toUnicode(char const*, int) const
vfunc[8]:	QTsciiCodec::fromUnicode(QString const&, int&) const
vfunc[9]:	QTextCodec::canEncode(QChar) const
vfunc[10]:	QTextCodec::canEncode(QString const&) const
vfunc[11]:	QTsciiCodec::heuristicContentMatch(char const*, int) const
vfunc[12]:	QTsciiCodec::heuristicNameMatch(char const*) const
vfunc[13]:	QTextCodec::fromUnicode(QString const&, int, int) const
vfunc[14]:	QTextCodec::characterFromUnicode(QString const&, int) const

The Run Time Type Information for the QTsciiCodec class is described by Table 13-325

Table 13-325 typeinfo for QTsciiCodec

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QTsciiCodec
basetype:	typeinfo for QTextCodec

13.2.1.163 Class data for QSqlDatabase

The virtual table for the QSqlDatabase class is described by Table 13-326

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Table 13-326 Primary vtable for QSqlDatabase

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSqlDatabase
vfunc[0]:	QSqlDatabase::metaObject() const
vfunc[1]:	QSqlDatabase::className() const
vfunc[2]:	QSqlDatabase::qt_cast(char const*)
vfunc[3]:	QSqlDatabase::qt_invoke(int, QUObject*)
vfunc[4]:	QSqlDatabase::qt_emit(int, QUObject*)
vfunc[5]:	QSqlDatabase::qt_property(int, int, QVariant*)
vfunc[6]:	QSqlDatabase::~QSqlDatabase()
vfunc[7]:	QSqlDatabase::~QSqlDatabase()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QSqlDatabase::setDatabaseName(QS tring const&)
vfunc[22]:	QSqlDatabase::setUserName(QString const&)
vfunc[23]:	QSqlDatabase::setPassword(QString const&)

vfunc[24]:	QSqlDatabase::setHostName(QString const&)
vfunc[25]:	QSqlDatabase::setPort(int)

The Run Time Type Information for the QSqlDatabase class is described by Table 13-327

Table 13-327 typeinfo for QSqlDatabase

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSqlDatabase
basetype:	typeinfo for QObject

13.2.1.164 Class data for QCanvasPixmap

The virtual table for the QCanvasPixmap class is described by Table 13-328

Table 13-328 Primary vtable for QCanvasPixmap

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QCanvasPixmap
vfunc[0]:	QCanvasPixmap::~QCanvasPixmap()
vfunc[1]:	QCanvasPixmap::~QCanvasPixmap()
vfunc[2]:	QPaintDevice::setResolution(int)
vfunc[3]:	QPaintDevice::resolution() const
vfunc[4]:	QPaintDevice::handle() const
vfunc[5]:	QPaintDevice::x11RenderHandle() const
vfunc[6]:	QPaintDevice::setX11Data(QPaintDeviceX11Data const*)
vfunc[7]:	QPaintDevice::cmd(int, QPainter*, QPDevCmdParam*)
vfunc[8]:	QPixmap::metric(int) const
vfunc[9]:	QPaintDevice::fontMet(QFont*, int, char const*, int) const
vfunc[10]:	QPaintDevice::fontInf(QFont*, int) const
vfunc[11]:	QPixmap::detach()

The Run Time Type Information for the QCanvasPixmap class is described by Table 13-329

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Table 13-329 typeinfo for QCanvasPixmap

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QCanvasPixmap
basetype:	typeinfo for QPixmap

13.2.1.165 Class data for QPrinter

The virtual table for the QPrinter class is described by Table 13-330

Table 13-330 Primary vtable for QPrinter

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QPrinter
vfunc[0]:	QPrinter::~QPrinter()
vfunc[1]:	QPrinter::~QPrinter()
vfunc[2]:	QPrinter::setResolution(int)
vfunc[3]:	QPrinter::resolution() const
vfunc[4]:	QPaintDevice::handle() const
vfunc[5]:	QPaintDevice::x11RenderHandle() const
vfunc[6]:	QPaintDevice::setX11Data(QPaintDeviceX11Data const*)
vfunc[7]:	QPrinter::cmd(int, QPainter*, QPDevCmdParam*)
vfunc[8]:	QPrinter::metric(int) const
vfunc[9]:	QPaintDevice::fontMet(QFont*, int, char const*, int) const
vfunc[10]:	QPaintDevice::fontInf(QFont*, int) const
vfunc[11]:	QPrinter::setPrinterName(QString const&)
vfunc[12]:	QPrinter::setOutputToFile(bool)
vfunc[13]:	QPrinter::setOutputFileName(QString const&)
vfunc[14]:	QPrinter::setPrintProgram(QString const&)
vfunc[15]:	QPrinter::setPrinterSelectionOption(QString const&)
vfunc[16]:	QPrinter::setDocName(QString const&)

vfunc[17]:	QPrinter::setCreator(QString const&)
vfunc[18]:	QPrinter::setOrientation(QPrinter::Orientation)
vfunc[19]:	QPrinter::setPageSize(QPrinter::PageSize)
vfunc[20]:	QPrinter::setPageOrder(QPrinter::PageOrder)
vfunc[21]:	QPrinter::setColorMode(QPrinter::ColorMode)
vfunc[22]:	QPrinter::setFullPage(bool)
vfunc[23]:	QPrinter::setFromTo(int, int)
vfunc[24]:	QPrinter::setMinMax(int, int)
vfunc[25]:	QPrinter::setNumCopies(int)
vfunc[26]:	QPrinter::setPaperSource(QPrinter::PaperSource)

The Run Time Type Information for the QPrinter class is described by Table 13-331

Table 13-331 typeinfo for QPrinter

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QPrinter
basetype:	typeinfo for QPaintDevice

13.2.1.166 Class data for QSjisCodec

The virtual table for the QSjisCodec class is described by Table 13-332

Table 13-332 Primary vtable for QSjisCodec

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSjisCodec
vfunc[0]:	QSjisCodec::~QSjisCodec()
vfunc[1]:	QSjisCodec::~QSjisCodec()
vfunc[2]:	QSjisCodec::name() const
vfunc[3]:	QSjisCodec::mimeName() const
vfunc[4]:	QSjisCodec::mibEnum() const
vfunc[5]:	QSjisCodec::makeDecoder() const
vfunc[6]:	QTextCodec::makeEncoder() const
vfunc[7]:	QSjisCodec::toUnicode(char const*,

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	int) const
vfunc[8]:	QSjisCodec::fromUnicode(QString const&, int&) const
vfunc[9]:	QTextCodec::canEncode(QChar) const
vfunc[10]:	QTextCodec::canEncode(QString const&) const
vfunc[11]:	QSjisCodec::heuristicContentMatch(char const*, int) const
vfunc[12]:	QSjisCodec::heuristicNameMatch(char const*) const
vfunc[13]:	QTextCodec::fromUnicode(QString const&, int, int) const
vfunc[14]:	QTextCodec::characterFromUnicode(QString const&, int) const

The Run Time Type Information for the QSjisCodec class is described by Table 13-333

Table 13-333 typeinfo for QSjisCodec

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSjisCodec
basetype:	typeinfo for QTextCodec

13.2.1.167 Class data for QMessageBox

The virtual table for the QMessageBox class is described by Table 13-334

Table 13-334 Primary vtable for QMessageBox

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QMessageBox
vfunc[0]:	QMessageBox::metaObject() const
vfunc[1]:	QMessageBox::className() const
vfunc[2]:	QMessageBox::qt_cast(char const*)
vfunc[3]:	QMessageBox::qt_invoke(int, QUObject*)
vfunc[4]:	QMessageBox::qt_emit(int, QUObject*)
vfunc[5]:	QMessageBox::qt_property(int, int, QVariant*)
vfunc[6]:	QMessageBox::~QMessageBox()

vfunc[7]:	QMessageBox::~QMessageBox()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QDialog::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()

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vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPi xmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QMessageBox::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::F ocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QDialog::show()
vfunc[48]:	QDialog::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QDialog::move(int, int)
vfunc[54]:	QDialog::resize(int, int)
vfunc[55]:	QDialog::setGeometry(int, int, int, int)
vfunc[56]:	QDialog::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QDialog::sizeHint() const
vfunc[59]:	QDialog::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QMessageBox::adjustSize()

vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QMessageBox::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QMessageBox::resizeEvent(QResizeEvent*)
vfunc[83]:	QMessageBox::closeEvent(QCloseEvent*)
vfunc[84]:	QDialog::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*

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	)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QMessageBox::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QDialog::done(int)
vfunc[111]:	QDialog::accept()
vfunc[112]:	QDialog::reject()

The Run Time Type Information for the QMessageBox class is described by Table 13-335

Table 13-335 typeinfo for QMessageBox

Base Vtable	vtable for __cxxabiv1::__si_class_type_info

Name	typeinfo name for QMessageBox
basetype:	typeinfo for QDialog

13.2.1.168 Class data for QSound

The virtual table for the QSound class is described by Table 13-336

Table 13-336 Primary vtable for QSound

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSound
vfunc[0]:	QSound::metaObject() const
vfunc[1]:	QSound::className() const
vfunc[2]:	QSound::qt_cast(char const*)
vfunc[3]:	QSound::qt_invoke(int, QUObject*)
vfunc[4]:	QSound::qt_emit(int, QUObject*)
vfunc[5]:	QSound::qt_property(int, int, QVariant*)
vfunc[6]:	QSound::~QSound()
vfunc[7]:	QSound::~QSound()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

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The Run Time Type Information for the QSound class is described by Table 13-337

Table 13-337 typeinfo for QSound

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSound
basetype:	typeinfo for QObject

13.2.1.169 Class data for QEditorFactory

The virtual table for the QEditorFactory class is described by Table 13-338

Table 13-338 Primary vtable for QEditorFactory

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QEditorFactory
vfunc[0]:	QObject::metaObject() const
vfunc[1]:	QObject::className() const
vfunc[2]:	QObject::qt_cast(char const*)
vfunc[3]:	QObject::qt_invoke(int, QUObject*)
vfunc[4]:	QObject::qt_emit(int, QUObject*)
vfunc[5]:	QObject::qt_property(int, int, QVariant*)
vfunc[6]:	QEditorFactory::~QEditorFactory()
vfunc[7]:	QEditorFactory::~QEditorFactory()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)

vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QEditorFactory::createEditor(QWidget*, QVariant const&)

The Run Time Type Information for the QEditorFactory class is described by Table 13-339

Table 13-339 typeinfo for QEditorFactory

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QEditorFactory
basetype:	typeinfo for QObject

13.2.1.170 Class data for QEventLoop

The virtual table for the QEventLoop class is described by Table 13-340

Table 13-340 Primary vtable for QEventLoop

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QEventLoop
vfunc[0]:	QEventLoop::metaObject() const
vfunc[1]:	QEventLoop::className() const
vfunc[2]:	QEventLoop::qt_cast(char const*)
vfunc[3]:	QEventLoop::qt_invoke(int, QUObject*)
vfunc[4]:	QEventLoop::qt_emit(int, QUObject*)
vfunc[5]:	QEventLoop::qt_property(int, int, QVariant*)
vfunc[6]:	QEventLoop::~QEventLoop()
vfunc[7]:	QEventLoop::~QEventLoop()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)

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vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QEventLoop::processEvents(unsigned int)
vfunc[22]:	QEventLoop::hasPendingEvents() const
vfunc[23]:	QEventLoop::registerSocketNotifier(QSocketNotifier*)
vfunc[24]:	QEventLoop::unregisterSocketNotifier(QSocketNotifier*)
vfunc[25]:	QEventLoop::exec()
vfunc[26]:	QEventLoop::exit(int)
vfunc[27]:	QEventLoop::enterLoop()
vfunc[28]:	QEventLoop::exitLoop()
vfunc[29]:	QEventLoop::loopLevel() const
vfunc[30]:	QEventLoop::wakeUp()
vfunc[31]:	QEventLoop::appStartingUp()
vfunc[32]:	QEventLoop::appClosingDown()

The Run Time Type Information for the QEventLoop class is described by Table 13-341

Table 13-341 typeinfo for QEventLoop

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QEventLoop
basetype:	typeinfo for QObject

13.2.1.171 Class data for QSignal

The virtual table for the QSignal class is described by Table 13-342

Table 13-342 Primary vtable for QSignal

Base Offset	0

Virtual Base Offset	0
RTTI	typeinfo for QSignal
vfunc[0]:	QSignal::metaObject() const
vfunc[1]:	QSignal::className() const
vfunc[2]:	QSignal::qt_cast(char const*)
vfunc[3]:	QSignal::qt_invoke(int, QUObject*)
vfunc[4]:	QSignal::qt_emit(int, QUObject*)
vfunc[5]:	QSignal::qt_property(int, int, QVariant*)
vfunc[6]:	QSignal::~QSignal()
vfunc[7]:	QSignal::~QSignal()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

The Run Time Type Information for the QSignal class is described by Table 13-343

Table 13-343 typeinfo for QSignal

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSignal
basetype:	typeinfo for QObject

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13.2.1.172 Class data for QSizeGrip

The virtual table for the QSizeGrip class is described by Table 13-344

Table 13-344 Primary vtable for QSizeGrip

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSizeGrip
vfunc[0]:	QSizeGrip::metaObject() const
vfunc[1]:	QSizeGrip::className() const
vfunc[2]:	QSizeGrip::qt_cast(char const*)
vfunc[3]:	QSizeGrip::qt_invoke(int, QUObject*)
vfunc[4]:	QSizeGrip::qt_emit(int, QUObject*)
vfunc[5]:	QSizeGrip::qt_property(int, int, QVariant*)
vfunc[6]:	QSizeGrip::~QSizeGrip()
vfunc[7]:	QSizeGrip::~QSizeGrip()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QSizeGrip::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)

vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()

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vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QSizeGrip::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QSizeGrip::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QSizeGrip::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEve

	nt*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QSizeGrip::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QWidget::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)

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vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)

The Run Time Type Information for the QSizeGrip class is described by Table 13-345

Table 13-345 typeinfo for QSizeGrip

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSizeGrip
basetype:	typeinfo for QWidget

13.2.1.173 Class data for QObjectList

The virtual table for the QObjectList class is described by Table 13-346

Table 13-346 Primary vtable for QObjectList

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QObjectList
vfunc[0]:	QPtrList<QObject>::count() const
vfunc[1]:	QPtrList<QObject>::clear()
vfunc[2]:	QObjectList::~QObjectList()
vfunc[3]:	QObjectList::~QObjectList()
vfunc[4]:	QPtrCollection::newItem(void*)
vfunc[5]:	QPtrList<QObject>::deleteItem(void*)
vfunc[6]:	QGList::compareItems(void*, void*)
vfunc[7]:	QGList::read(QDataStream&, void*&)
vfunc[8]:	QGList::write(QDataStream&, void*) const

The Run Time Type Information for the QObjectList class is described by Table 13-347

Table 13-347 typeinfo for QObjectList

Base Vtable	vtable for __cxxabiv1::__si_class_type_info

Name	typeinfo name for QObjectList
basetype:	typeinfo for QPtrList<QObject>

13.2.1.174 Class data for QDomComment

The virtual table for the QDomComment class is described by Table 13-348

Table 13-348 Primary vtable for QDomComment

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDomComment
vfunc[0]:	QDomComment::~QDomComment()
vfunc[1]:	QDomComment::~QDomComment()
vfunc[2]:	QDomNode::insertBefore(QDomNode const&, QDomNode const&)
vfunc[3]:	QDomNode::insertAfter(QDomNode const&, QDomNode const&)
vfunc[4]:	QDomNode::replaceChild(QDomNode const&, QDomNode const&)
vfunc[5]:	QDomNode::removeChild(QDomNode const&)
vfunc[6]:	QDomNode::appendChild(QDomNode const&)
vfunc[7]:	QDomNode::hasChildNodes() const
vfunc[8]:	QDomNode::cloneNode(bool) const
vfunc[9]:	QDomNode::normalize()
vfunc[10]:	QDomNode::isSupported(QString const&, QString const&) const
vfunc[11]:	QDomNode::nodeName() const
vfunc[12]:	QDomComment::nodeType() const
vfunc[13]:	QDomNode::parentNode() const
vfunc[14]:	QDomNode::childNodes() const
vfunc[15]:	QDomNode::firstChild() const
vfunc[16]:	QDomNode::lastChild() const
vfunc[17]:	QDomNode::previousSibling() const
vfunc[18]:	QDomNode::nextSibling() const
vfunc[19]:	QDomNode::attributes() const
vfunc[20]:	QDomNode::ownerDocument() const

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vfunc[21]:	QDomNode::namespaceURI() const
vfunc[22]:	QDomNode::localName() const
vfunc[23]:	QDomNode::hasAttributes() const
vfunc[24]:	QDomNode::nodeValue() const
vfunc[25]:	QDomNode::setNodeValue(QString const&)
vfunc[26]:	QDomNode::prefix() const
vfunc[27]:	QDomNode::setPrefix(QString const&)
vfunc[28]:	QDomNode::isAttr() const
vfunc[29]:	QDomNode::isCDATASection() const
vfunc[30]:	QDomNode::isDocumentFragment() const
vfunc[31]:	QDomNode::isDocument() const
vfunc[32]:	QDomNode::isDocumentType() const
vfunc[33]:	QDomNode::isElement() const
vfunc[34]:	QDomNode::isEntityReference() const
vfunc[35]:	QDomNode::isText() const
vfunc[36]:	QDomNode::isEntity() const
vfunc[37]:	QDomNode::isNotation() const
vfunc[38]:	QDomNode::isProcessingInstruction() const
vfunc[39]:	QDomCharacterData::isCharacterData() const
vfunc[40]:	QDomComment::isComment() const
vfunc[41]:	QDomCharacterData::substringData(unsigned long, unsigned long)
vfunc[42]:	QDomCharacterData::appendData(QString const&)
vfunc[43]:	QDomCharacterData::insertData(unsigned long, QString const&)
vfunc[44]:	QDomCharacterData::deleteData(unsigned long, unsigned long)
vfunc[45]:	QDomCharacterData::replaceData(unsigned long, unsigned long, QString const&)

vfunc[46]:	QDomCharacterData::length() const
vfunc[47]:	QDomCharacterData::data() const
vfunc[48]:	QDomCharacterData::setData(QString const&)

The Run Time Type Information for the QDomComment class is described by Table 13-349

Table 13-349 typeinfo for QDomComment

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDomComment
basetype:	typeinfo for QDomCharacterData

13.2.1.175 Class data for QXmlDefaultHandler

The virtual table for the QXmlDefaultHandler class is described by Table 13-350

Table 13-350 Primary vtable for QXmlDefaultHandler

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QXmlDefaultHandler
vfunc[0]:	QXmlDefaultHandler::setDocumentLocator(QXmlLocator*)
vfunc[1]:	QXmlDefaultHandler::startDocument()
vfunc[2]:	QXmlDefaultHandler::endDocument()
vfunc[3]:	QXmlDefaultHandler::startPrefixMapping(QString const&, QString const&)
vfunc[4]:	QXmlDefaultHandler::endPrefixMapping(QString const&)
vfunc[5]:	QXmlDefaultHandler::startElement(QString const&, QString const&, QString const&, QXmlAttributes const&)
vfunc[6]:	QXmlDefaultHandler::endElement(QString const&, QString const&, QString const&)
vfunc[7]:	QXmlDefaultHandler::characters(QString const&)
vfunc[8]:	QXmlDefaultHandler::ignorableWhitespace(QString const&)

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vfunc[9]:	QXmlDefaultHandler::processingInstruction(QString const&, QString const&)
vfunc[10]:	QXmlDefaultHandler::skippedEntity(QString const&)
vfunc[11]:	QXmlDefaultHandler::errorString()
vfunc[12]:	QXmlDefaultHandler::~QXmlDefaultHandler()
vfunc[13]:	QXmlDefaultHandler::~QXmlDefaultHandler()
vfunc[14]:	QXmlDefaultHandler::warning(QXmlParseException const&)
vfunc[15]:	QXmlDefaultHandler::error(QXmlParseException const&)
vfunc[16]:	QXmlDefaultHandler::fatalError(QXmlParseException const&)
vfunc[17]:	QXmlDefaultHandler::notationDecl(QString const&, QString const&, QString const&)
vfunc[18]:	QXmlDefaultHandler::unparsedEntityDecl(QString const&, QString const&, QString const&, QString const&)
vfunc[19]:	QXmlDefaultHandler::resolveEntity(QString const&, QString const&, QXmlInputSource*&)
vfunc[20]:	QXmlDefaultHandler::startDTD(QString const&, QString const&, QString const&)
vfunc[21]:	QXmlDefaultHandler::endDTD()
vfunc[22]:	QXmlDefaultHandler::startEntity(QString const&)
vfunc[23]:	QXmlDefaultHandler::endEntity(QString const&)
vfunc[24]:	QXmlDefaultHandler::startCDATA()
vfunc[25]:	QXmlDefaultHandler::endCDATA()
vfunc[26]:	QXmlDefaultHandler::comment(QString const&)
vfunc[27]:	QXmlDefaultHandler::attributeDecl(QString const&, QString const&, QString const&, QString const&, QString const&)
vfunc[28]:	QXmlDefaultHandler::internalEntity

	Decl(QString const&, QString const&)
vfunc[29]:	QXmlDefaultHandler::externalEntityDecl(QString const&, QString const&, QString const&)

The Run Time Type Information for the QXmlDefaultHandler class is described by Table 13-351

Table 13-351 typeinfo for QXmlDefaultHandler

Base Vtable	vtable for __cxxabiv1::__vmi_class_type_info	
Name	typeinfo name for QXmlDefaultHandler	
flags:	0	
basetype:	typeinfo for QXmlContentHandler	2
basetype:	typeinfo for QXmlErrorHandler	1026
basetype:	typeinfo for QXmlErrorHandler	2050
basetype:	typeinfo for QXmlErrorHandler	1026
basetype:	typeinfo for QXmlErrorHandler	2050
basetype:	typeinfo for QXmlErrorHandler	1026

13.2.1.176 Class data for QDataSink

The virtual table for the QDataSink class is described by Table 13-352

Table 13-352 Primary vtable for QDataSink

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDataSink
vfunc[0]:	QDataSink::~QDataSink()
vfunc[1]:	QDataSink::~QDataSink()
vfunc[2]:	__cxa_pure_virtual
vfunc[3]:	__cxa_pure_virtual
vfunc[4]:	__cxa_pure_virtual

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The Run Time Type Information for the QDataSink class is described by Table 13-353

Table 13-353 typeinfo for QDataSink

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDataSink
basetype:	typeinfo for QAsyncIO

13.2.1.177 Class data for QSqlDriverPlugin

The virtual table for the QSqlDriverPlugin class is described by Table 13-354

Table 13-354 Primary vtable for QSqlDriverPlugin

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSqlDriverPlugin
vfunc[0]:	QSqlDriverPlugin::metaObject() const
vfunc[1]:	QSqlDriverPlugin::className() const
vfunc[2]:	QSqlDriverPlugin::qt_cast(char const*)
vfunc[3]:	QSqlDriverPlugin::qt_invoke(int, QUObject*)
vfunc[4]:	QSqlDriverPlugin::qt_emit(int, QUObject*)
vfunc[5]:	QSqlDriverPlugin::qt_property(int, int, QVariant*)
vfunc[6]:	QSqlDriverPlugin::~QSqlDriverPlugin()
vfunc[7]:	QSqlDriverPlugin::~QSqlDriverPlugin()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)

vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	__cxa_pure_virtual
vfunc[22]:	__cxa_pure_virtual

The Run Time Type Information for the QSqlDriverPlugin class is described by Table 13-355

Table 13-355 typeinfo for QSqlDriverPlugin

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSqlDriverPlugin
basetype:	typeinfo for QGPlugin

13.2.1.178 Class data for QToolButton

The virtual table for the QToolButton class is described by Table 13-356

Table 13-356 Primary vtable for QToolButton

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QToolButton
vfunc[0]:	QToolButton::metaObject() const
vfunc[1]:	QToolButton::className() const
vfunc[2]:	QToolButton::qt_cast(char const*)
vfunc[3]:	QToolButton::qt_invoke(int, QUObject*)
vfunc[4]:	QToolButton::qt_emit(int, QUObject*)
vfunc[5]:	QToolButton::qt_property(int, int, QVariant*)
vfunc[6]:	QToolButton::~QToolButton()
vfunc[7]:	QToolButton::~QToolButton()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QToolButton::eventFilter(QObject*, QEvent*)

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vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColo r(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixm ap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)

vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QToolButton::sizeHint() const
vfunc[59]:	QToolButton::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)

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vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QToolButton::mousePressEvent(QMouseEvent*)
vfunc[70]:	QButton::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QButton::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QButton::keyPressEvent(QKeyEvent*)
vfunc[75]:	QButton::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QButton::focusInEvent(QFocusEvent*)
vfunc[77]:	QButton::focusOutEvent(QFocusEvent*)
vfunc[78]:	QToolButton::enterEvent(QEvent*)
vfunc[79]:	QToolButton::leaveEvent(QEvent*)
vfunc[80]:	QButton::paintEvent(QPaintEvent*)
vfunc[81]:	QToolButton::moveEvent(QMoveEvent*)
vfunc[82]:	QWidget::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)

vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QButton::enabledChange(bool)
vfunc[99]:	QToolButton::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QToolButton::setText(QString const&)
vfunc[111]:	QButton::setPixmap(QPixmap const&)
vfunc[112]:	QButton::setAccel(QKeySequence const&)
vfunc[113]:	QButton::setDown(bool)
vfunc[114]:	QButton::setAutoRepeat(bool)
vfunc[115]:	QButton::setToggleType(QButton::ToggleType)
vfunc[116]:	QButton::setState(QButton::ToggleState)

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vfunc[117]:	QButton::hitButton(QPoint const&) const
vfunc[118]:	QToolButton::drawButton(QPainter*)
vfunc[119]:	QToolButton::drawButtonLabel(QPainter*)
vfunc[120]:	QButton::setGroup(QButtonGroup*)
vfunc[121]:	QToolButton::setIconSet(QIconSet const&)
vfunc[122]:	QToolButton::setUsesBigPixmap(bool)
vfunc[123]:	QToolButton::setUsesTextLabel(bool)
vfunc[124]:	QToolButton::setTextLabel(QString const&, bool)
vfunc[125]:	QToolButton::setToggleButton(bool)
vfunc[126]:	QToolButton::setOn(bool)

The Run Time Type Information for the QToolButton class is described by Table 13-357

Table 13-357 typeinfo for QToolButton

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QToolButton
basetype:	typeinfo for QButton

13.2.1.179 Class data for QWidgetIntDict

The virtual table for the QWidgetIntDict class is described by Table 13-358

Table 13-358 Primary vtable for QWidgetIntDict

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QWidgetIntDict
vfunc[0]:	QIntDict<QWidget>::count() const
vfunc[1]:	QIntDict<QWidget>::clear()
vfunc[2]:	QWidgetIntDict::~QWidgetIntDict()
vfunc[3]:	QWidgetIntDict::~QWidgetIntDict()
vfunc[4]:	QPtrCollection::newItem(void*)
vfunc[5]:	QIntDict<QWidget>::deleteItem(void*)
vfunc[6]:	QGDict::read(QDataStream&, void*&)

vfunc[7]:	QGDict::write(QDataStream&, void*) const

The Run Time Type Information for the QWidgetIntDict class is described by Table 13-359

Table 13-359 typeinfo for QWidgetIntDict

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QWidgetIntDict
basetype:	typeinfo for QIntDict<QWidget>

13.2.1.180 Class data for QTabBar

The virtual table for the QTabBar class is described by Table 13-360

Table 13-360 Primary vtable for QTabBar

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTabBar
vfunc[0]:	QTabBar::metaObject() const
vfunc[1]:	QTabBar::className() const
vfunc[2]:	QTabBar::qt_cast(char const*)
vfunc[3]:	QTabBar::qt_invoke(int, QUObject*)
vfunc[4]:	QTabBar::qt_emit(int, QUObject*)
vfunc[5]:	QTabBar::qt_property(int, int, QVariant*)
vfunc[6]:	QTabBar::~QTabBar()
vfunc[7]:	QTabBar::~QTabBar()
vfunc[8]:	QTabBar::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)

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vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()

vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QTabBar::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QTabBar::sizeHint() const
vfunc[59]:	QTabBar::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QTabBar::mousePressEvent(QMouseEvent*)
vfunc[70]:	QTabBar::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)

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vfunc[72]:	QTabBar::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QTabBar::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QTabBar::focusInEvent(QFocusEvent*)
vfunc[77]:	QTabBar::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QTabBar::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QTabBar::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QTabBar::styleChange(QStyle&)

vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QTabBar::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QTabBar::setShape(QTabBar::Shape)
vfunc[111]:	QTabBar::addTab(QTab*)
vfunc[112]:	QTabBar::insertTab(QTab*, int)
vfunc[113]:	QTabBar::removeTab(QTab*)
vfunc[114]:	QTabBar::setTabEnabled(int, bool)
vfunc[115]:	QTabBar::layoutTabs()
vfunc[116]:	QTabBar::selectTab(QPoint const&) const
vfunc[117]:	QTabBar::setCurrentTab(int)
vfunc[118]:	QTabBar::setCurrentTab(QTab*)
vfunc[119]:	QTabBar::paint(QPainter*, QTab*, bool) const
vfunc[120]:	QTabBar::paintLabel(QPainter*, QRect const&, QTab*, bool) const

The Run Time Type Information for the QTabBar class is described by Table 13-361

Table 13-361 typeinfo for QTabBar

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QTabBar
basetype:	typeinfo for QWidget

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13.2.1.181 Class data for QDomNotation

The virtual table for the QDomNotation class is described by Table 13-362

Table 13-362 Primary vtable for QDomNotation

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDomNotation
vfunc[0]:	QDomNotation::~QDomNotation()
vfunc[1]:	QDomNotation::~QDomNotation()
vfunc[2]:	QDomNode::insertBefore(QDomNode const&, QDomNode const&)
vfunc[3]:	QDomNode::insertAfter(QDomNode const&, QDomNode const&)
vfunc[4]:	QDomNode::replaceChild(QDomNode const&, QDomNode const&)
vfunc[5]:	QDomNode::removeChild(QDomNode const&)
vfunc[6]:	QDomNode::appendChild(QDomNode const&)
vfunc[7]:	QDomNode::hasChildNodes() const
vfunc[8]:	QDomNode::cloneNode(bool) const
vfunc[9]:	QDomNode::normalize()
vfunc[10]:	QDomNode::isSupported(QString const&, QString const&) const
vfunc[11]:	QDomNode::nodeName() const
vfunc[12]:	QDomNotation::nodeType() const
vfunc[13]:	QDomNode::parentNode() const
vfunc[14]:	QDomNode::childNodes() const
vfunc[15]:	QDomNode::firstChild() const
vfunc[16]:	QDomNode::lastChild() const
vfunc[17]:	QDomNode::previousSibling() const
vfunc[18]:	QDomNode::nextSibling() const
vfunc[19]:	QDomNode::attributes() const
vfunc[20]:	QDomNode::ownerDocument() const
vfunc[21]:	QDomNode::namespaceURI() const
vfunc[22]:	QDomNode::localName() const
vfunc[23]:	QDomNode::hasAttributes() const

vfunc[24]:	QDomNode::nodeValue() const
vfunc[25]:	QDomNode::setNodeValue(QString const&)
vfunc[26]:	QDomNode::prefix() const
vfunc[27]:	QDomNode::setPrefix(QString const&)
vfunc[28]:	QDomNode::isAttr() const
vfunc[29]:	QDomNode::isCDATASection() const
vfunc[30]:	QDomNode::isDocumentFragment() const
vfunc[31]:	QDomNode::isDocument() const
vfunc[32]:	QDomNode::isDocumentType() const
vfunc[33]:	QDomNode::isElement() const
vfunc[34]:	QDomNode::isEntityReference() const
vfunc[35]:	QDomNode::isText() const
vfunc[36]:	QDomNode::isEntity() const
vfunc[37]:	QDomNotation::isNotation() const
vfunc[38]:	QDomNode::isProcessingInstruction() const
vfunc[39]:	QDomNode::isCharacterData() const
vfunc[40]:	QDomNode::isComment() const

The Run Time Type Information for the QDomNotation class is described by Table 13-363

Table 13-363 typeinfo for QDomNotation

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDomNotation
basetype:	typeinfo for QDomNode

13.2.1.182 Class data for QXmlSimpleReader

The virtual table for the QXmlSimpleReader class is described by Table 13-364

Table 13-364 Primary vtable for QXmlSimpleReader

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QXmlSimpleReader

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vfunc[0]:	QXmlSimpleReader::feature(QString const&, bool*) const
vfunc[1]:	QXmlSimpleReader::setFeature(QString const&, bool)
vfunc[2]:	QXmlSimpleReader::hasFeature(QString const&) const
vfunc[3]:	QXmlSimpleReader::property(QString const&, bool*) const
vfunc[4]:	QXmlSimpleReader::setProperty(QString const&, void*)
vfunc[5]:	QXmlSimpleReader::hasProperty(QString const&) const
vfunc[6]:	QXmlSimpleReader::setEntityResolver(QXmlEntityResolver*)
vfunc[7]:	QXmlSimpleReader::entityResolver() const
vfunc[8]:	QXmlSimpleReader::setDTDHandler(QXmlDTDHandler*)
vfunc[9]:	QXmlSimpleReader::DTDHandler() const
vfunc[10]:	QXmlSimpleReader::setContentHandler(QXmlContentHandler*)
vfunc[11]:	QXmlSimpleReader::contentHandler() const
vfunc[12]:	QXmlSimpleReader::setErrorHandler(QXmlErrorHandler*)
vfunc[13]:	QXmlSimpleReader::errorHandler() const
vfunc[14]:	QXmlSimpleReader::setLexicalHandler(QXmlLexicalHandler*)
vfunc[15]:	QXmlSimpleReader::lexicalHandler() const
vfunc[16]:	QXmlSimpleReader::setDeclHandler(QXmlDeclHandler*)
vfunc[17]:	QXmlSimpleReader::declHandler() const
vfunc[18]:	QXmlSimpleReader::parse(QXmlInputSource const&)
vfunc[19]:	QXmlSimpleReader::parse(QXmlInputSource const*)
vfunc[20]:	QXmlSimpleReader::~QXmlSimpleReader()

vfunc[21]:	QXmlSimpleReader::~QXmlSimpleReader()
vfunc[22]:	QXmlSimpleReader::parse(QXmlInputSource const*, bool)
vfunc[23]:	QXmlSimpleReader::parseContinue()

The Run Time Type Information for the QXmlSimpleReader class is described by Table 13-365

Table 13-365 typeinfo for QXmlSimpleReader

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QXmlSimpleReader
basetype:	typeinfo for QXmlReader

13.2.1.183 Class data for QHideEvent

The virtual table for the QHideEvent class is described by Table 13-366

Table 13-366 Primary vtable for QHideEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QHideEvent
vfunc[0]:	QHideEvent::~QHideEvent()
vfunc[1]:	QHideEvent::~QHideEvent()

The Run Time Type Information for the QHideEvent class is described by Table 13-367

Table 13-367 typeinfo for QHideEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QHideEvent
basetype:	typeinfo for QEvent

13.2.1.184 Class data for QToolTip

The virtual table for the QToolTip class is described by Table 13-368

Table 13-368 Primary vtable for QToolTip

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QToolTip
vfunc[0]:	__cxa_pure_virtual

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The Run Time Type Information for the QToolTip class is described by Table 13-369

Table 13-369 typeinfo for QToolTip

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QToolTip
basetype:	typeinfo for Qt

13.2.1.185 Class data for QResizeEvent

The virtual table for the QResizeEvent class is described by Table 13-370

Table 13-370 Primary vtable for QResizeEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QResizeEvent
vfunc[0]:	QResizeEvent::~QResizeEvent()
vfunc[1]:	QResizeEvent::~QResizeEvent()

The Run Time Type Information for the QResizeEvent class is described by Table 13-371

Table 13-371 typeinfo for QResizeEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QResizeEvent
basetype:	typeinfo for QEvent

13.2.1.186 Class data for QXmlLexicalHandler

The virtual table for the QXmlLexicalHandler class is described by Table 13-372

Table 13-372 Primary vtable for QXmlLexicalHandler

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QXmlLexicalHandler
vfunc[0]:	__cxa_pure_virtual
vfunc[1]:	__cxa_pure_virtual
vfunc[2]:	__cxa_pure_virtual
vfunc[3]:	__cxa_pure_virtual
vfunc[4]:	__cxa_pure_virtual
vfunc[5]:	__cxa_pure_virtual

vfunc[6]:	__cxa_pure_virtual
vfunc[7]:	__cxa_pure_virtual

The Run Time Type Information for the QXmlLexicalHandler class is described by Table 13-373

Table 13-373 typeinfo for QXmlLexicalHandler

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QXmlLexicalHandler

13.2.1.187 Class data for QCanvasLine

The virtual table for the QCanvasLine class is described by Table 13-374

Table 13-374 Primary vtable for QCanvasLine

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QCanvasLine
vfunc[0]:	QCanvasLine::~QCanvasLine()
vfunc[1]:	QCanvasLine::~QCanvasLine()
vfunc[2]:	QCanvasLine::moveBy(double, double)
vfunc[3]:	QCanvasItem::setAnimated(bool)
vfunc[4]:	QCanvasItem::setVelocity(double, double)
vfunc[5]:	QCanvasItem::advance(int)
vfunc[6]:	QCanvasPolygonalItem::collidesWith (QCanvasItem const*) const
vfunc[7]:	QCanvasItem::setCanvas(QCanvas*)
vfunc[8]:	QCanvasPolygonalItem::draw(QPainter&)
vfunc[9]:	QCanvasItem::setVisible(bool)
vfunc[10]:	QCanvasItem::setSelected(bool)
vfunc[11]:	QCanvasItem::setEnabled(bool)
vfunc[12]:	QCanvasItem::setActive(bool)
vfunc[13]:	QCanvasLine::rtti() const
vfunc[14]:	QCanvasPolygonalItem::boundingRect() const
vfunc[15]:	QCanvasItem::boundingRectAdvanced() const

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vfunc[16]:	QCanvasPolygonalItem::chunks() const
vfunc[17]:	QCanvasItem::addToChunks()
vfunc[18]:	QCanvasItem::removeFromChunks()
vfunc[19]:	QCanvasItem::changeChunks()
vfunc[20]:	QCanvasPolygonalItem::collidesWith (QCanvasSprite const*, QCanvasPolygonalItem const*, QCanvasRectangle const*, QCanvasEllipse const*, QCanvasText const*) const
vfunc[21]:	QCanvasLine::setPen(QPen)
vfunc[22]:	QCanvasPolygonalItem::setBrush(QBrush)
vfunc[23]:	QCanvasLine::areaPoints() const
vfunc[24]:	QCanvasPolygonalItem::areaPointsAdvanced() const
vfunc[25]:	QCanvasLine::drawShape(QPainter&)

The Run Time Type Information for the QCanvasLine class is described by Table 13-375

Table 13-375 typeinfo for QCanvasLine

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QCanvasLine
basetype:	typeinfo for QCanvasPolygonalItem

13.2.1.188 Class data for QXmlAttributes

The virtual table for the QXmlAttributes class is described by Table 13-376

Table 13-376 Primary vtable for QXmlAttributes

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QXmlAttributes
vfunc[0]:	QXmlAttributes::~QXmlAttributes()
vfunc[1]:	QXmlAttributes::~QXmlAttributes()

The Run Time Type Information for the QXmlAttributes class is described by Table 13-377

Table 13-377 typeinfo for QXmlAttributes

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QXmlAttributes

13.2.1.189 Class data for QDialog

The virtual table for the QDialog class is described by Table 13-378

Table 13-378 Primary vtable for QDialog

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDialog
vfunc[0]:	QDialog::metaObject() const
vfunc[1]:	QDialog::className() const
vfunc[2]:	QDialog::qt_cast(char const*)
vfunc[3]:	QDialog::qt_invoke(int, QUObject*)
vfunc[4]:	QDialog::qt_emit(int, QUObject*)
vfunc[5]:	QDialog::qt_property(int, int, QVariant*)
vfunc[6]:	QDialog::~QDialog()
vfunc[7]:	QDialog::~QDialog()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QDialog::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

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vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QDialog::show()

vfunc[48]:	QDialog::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QDialog::move(int, int)
vfunc[54]:	QDialog::resize(int, int)
vfunc[55]:	QDialog::setGeometry(int, int, int, int)
vfunc[56]:	QDialog::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QDialog::sizeHint() const
vfunc[59]:	QDialog::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QDialog::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)

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vfunc[76]:	QWidget::focusInEvent(QFocusEvent *)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QDialog::resizeEvent(QResizeEvent*)
vfunc[83]:	QDialog::closeEvent(QCloseEvent*)
vfunc[84]:	QDialog::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool,

	bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QDialog::done(int)
vfunc[111]:	QDialog::accept()
vfunc[112]:	QDialog::reject()

The Run Time Type Information for the QDialog class is described by Table 13-379

Table 13-379 typeinfo for QDialog

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDialog
basetype:	typeinfo for QWidget

13.2.1.190 Class data for QGLayoutIterator

The virtual table for the QGLayoutIterator class is described by Table 13-380

Table 13-380 Primary vtable for QGLayoutIterator

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QGLayoutIterator
vfunc[0]:	QGLayoutIterator::~QGLayoutIterator()
vfunc[1]:	QGLayoutIterator::~QGLayoutIterator()
vfunc[2]:	__cxa_pure_virtual
vfunc[3]:	__cxa_pure_virtual
vfunc[4]:	__cxa_pure_virtual

The Run Time Type Information for the QGLayoutIterator class is described by Table 13-381

Table 13-381 typeinfo for QGLayoutIterator

Base Vtable	vtable for __cxxabiv1::__vmi_class	

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	_type_info	
Name	typeinfo name for QGLayoutIterator	
flags:	0	
basetype:	typeinfo for QShared	1026

13.2.1.191 Class data for QTabletEvent

The virtual table for the QTabletEvent class is described by Table 13-382

Table 13-382 Primary vtable for QTabletEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTabletEvent
vfunc[0]:	QTabletEvent::~QTabletEvent()
vfunc[1]:	QTabletEvent::~QTabletEvent()

The Run Time Type Information for the QTabletEvent class is described by Table 13-383

Table 13-383 typeinfo for QTabletEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QTabletEvent
basetype:	typeinfo for QEvent

13.2.1.192 Class data for QWidgetItem

The virtual table for the QWidgetItem class is described by Table 13-384

Table 13-384 Primary vtable for QWidgetItem

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QWidgetItem
vfunc[0]:	QWidgetItem::~QWidgetItem()
vfunc[1]:	QWidgetItem::~QWidgetItem()
vfunc[2]:	QWidgetItem::sizeHint() const
vfunc[3]:	QWidgetItem::minimumSize() const
vfunc[4]:	QWidgetItem::maximumSize() const
vfunc[5]:	QWidgetItem::expanding() const
vfunc[6]:	QWidgetItem::setGeometry(QRect const&)

vfunc[7]:	QWidgetItem::geometry() const
vfunc[8]:	QWidgetItem::isEmpty() const
vfunc[9]:	QWidgetItem::hasHeightForWidth() const
vfunc[10]:	QWidgetItem::heightForWidth(int) const
vfunc[11]:	QLayoutItem::invalidate()
vfunc[12]:	QWidgetItem::widget()
vfunc[13]:	QLayoutItem::iterator()
vfunc[14]:	QLayoutItem::layout()
vfunc[15]:	QLayoutItem::spacerItem()
vfunc[16]:	QLayoutItem::setAlignment(int)

The Run Time Type Information for the QWidgetItem class is described by Table 13-385

Table 13-385 typeinfo for QWidgetItem

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QWidgetItem
basetype:	typeinfo for QLayoutItem

13.2.1.193 Class data for QDir

The virtual table for the QDir class is described by Table 13-386

Table 13-386 Primary vtable for QDir

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDir
vfunc[0]:	QDir::~QDir()
vfunc[1]:	QDir::~QDir()
vfunc[2]:	QDir::setPath(QString const&)
vfunc[3]:	QDir::path() const
vfunc[4]:	QDir::absPath() const
vfunc[5]:	QDir::canonicalPath() const
vfunc[6]:	QDir::dirName() const
vfunc[7]:	QDir::filePath(QString const&, bool) const
vfunc[8]:	QDir::absFilePath(QString const&,

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	bool) const
vfunc[9]:	QDir::cd(QString const&, bool)
vfunc[10]:	QDir::cdUp()
vfunc[11]:	QDir::setNameFilter(QString const&)
vfunc[12]:	QDir::setFilter(int)
vfunc[13]:	QDir::setSorting(int)
vfunc[14]:	QDir::setMatchAllDirs(bool)
vfunc[15]:	QDir::encodedEntryList(int, int) const
vfunc[16]:	QDir::encodedEntryList(QString const&, int, int) const
vfunc[17]:	QDir::entryList(int, int) const
vfunc[18]:	QDir::entryList(QString const&, int, int) const
vfunc[19]:	QDir::entryInfoList(int, int) const
vfunc[20]:	QDir::entryInfoList(QString const&, int, int) const
vfunc[21]:	QDir::mkdir(QString const&, bool) const
vfunc[22]:	QDir::rmdir(QString const&, bool) const
vfunc[23]:	QDir::isReadable() const
vfunc[24]:	QDir::exists() const
vfunc[25]:	QDir::isRoot() const
vfunc[26]:	QDir::isRelative() const
vfunc[27]:	QDir::convertToAbs()
vfunc[28]:	QDir::operator==(QDir const&) const
vfunc[29]:	QDir::operator!=(QDir const&) const
vfunc[30]:	QDir::remove(QString const&, bool)
vfunc[31]:	QDir::rename(QString const&, QString const&, bool)
vfunc[32]:	QDir::exists(QString const&, bool)
vfunc[33]:	QDir::readDirEntries(QString const&, int, int)

The Run Time Type Information for the QDir class is described by Table 13-387

Table 13-387 typeinfo for QDir

Base Vtable	vtable for

	__cxxabiv1::__class_type_info
Name	typeinfo name for QDir

13.2.1.194 Class data for QDomProcessingInstruction

The virtual table for the QDomProcessingInstruction class is described by Table 13-388

Table 13-388 Primary vtable for QDomProcessingInstruction

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDomProcessingInstruction
vfunc[0]:	QDomProcessingInstruction::~QDomProcessingInstruction()
vfunc[1]:	QDomProcessingInstruction::~QDomProcessingInstruction()
vfunc[2]:	QDomNode::insertBefore(QDomNode const&, QDomNode const&)
vfunc[3]:	QDomNode::insertAfter(QDomNode const&, QDomNode const&)
vfunc[4]:	QDomNode::replaceChild(QDomNode const&, QDomNode const&)
vfunc[5]:	QDomNode::removeChild(QDomNode const&)
vfunc[6]:	QDomNode::appendChild(QDomNode const&)
vfunc[7]:	QDomNode::hasChildNodes() const
vfunc[8]:	QDomNode::cloneNode(bool) const
vfunc[9]:	QDomNode::normalize()
vfunc[10]:	QDomNode::isSupported(QString const&, QString const&) const
vfunc[11]:	QDomNode::nodeName() const
vfunc[12]:	QDomProcessingInstruction::nodeType() const
vfunc[13]:	QDomNode::parentNode() const
vfunc[14]:	QDomNode::childNodes() const
vfunc[15]:	QDomNode::firstChild() const
vfunc[16]:	QDomNode::lastChild() const
vfunc[17]:	QDomNode::previousSibling() const
vfunc[18]:	QDomNode::nextSibling() const

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vfunc[19]:	QDomNode::attributes() const
vfunc[20]:	QDomNode::ownerDocument() const
vfunc[21]:	QDomNode::namespaceURI() const
vfunc[22]:	QDomNode::localName() const
vfunc[23]:	QDomNode::hasAttributes() const
vfunc[24]:	QDomNode::nodeValue() const
vfunc[25]:	QDomNode::setNodeValue(QString const&)
vfunc[26]:	QDomNode::prefix() const
vfunc[27]:	QDomNode::setPrefix(QString const&)
vfunc[28]:	QDomNode::isAttr() const
vfunc[29]:	QDomNode::isCDATASection() const
vfunc[30]:	QDomNode::isDocumentFragment() const
vfunc[31]:	QDomNode::isDocument() const
vfunc[32]:	QDomNode::isDocumentType() const
vfunc[33]:	QDomNode::isElement() const
vfunc[34]:	QDomNode::isEntityReference() const
vfunc[35]:	QDomNode::isText() const
vfunc[36]:	QDomNode::isEntity() const
vfunc[37]:	QDomNode::isNotation() const
vfunc[38]:	QDomProcessingInstruction::isProcessingInstruction() const
vfunc[39]:	QDomNode::isCharacterData() const
vfunc[40]:	QDomNode::isComment() const
vfunc[41]:	QDomProcessingInstruction::target() const
vfunc[42]:	QDomProcessingInstruction::data() const
vfunc[43]:	QDomProcessingInstruction::setData (QString const&)

The Run Time Type Information for the QDomProcessingInstruction class is described by Table 13-389

Table 13-389 typeinfo for QDomProcessingInstruction

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDomProcessingInstruction
basetype:	typeinfo for QDomNode

13.2.1.195 Class data for QCanvasSpline

The virtual table for the QCanvasSpline class is described by Table 13-390

Table 13-390 Primary vtable for QCanvasSpline

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QCanvasSpline
vfunc[0]:	QCanvasSpline::~QCanvasSpline()
vfunc[1]:	QCanvasSpline::~QCanvasSpline()
vfunc[2]:	QCanvasPolygon::moveBy(double, double)
vfunc[3]:	QCanvasItem::setAnimated(bool)
vfunc[4]:	QCanvasItem::setVelocity(double, double)
vfunc[5]:	QCanvasItem::advance(int)
vfunc[6]:	QCanvasPolygonalItem::collidesWith (QCanvasItem const*) const
vfunc[7]:	QCanvasItem::setCanvas(QCanvas*)
vfunc[8]:	QCanvasPolygonalItem::draw(QPainter&)
vfunc[9]:	QCanvasItem::setVisible(bool)
vfunc[10]:	QCanvasItem::setSelected(bool)
vfunc[11]:	QCanvasItem::setEnabled(bool)
vfunc[12]:	QCanvasItem::setActive(bool)
vfunc[13]:	QCanvasSpline::rtti() const
vfunc[14]:	QCanvasPolygonalItem::boundingRect() const
vfunc[15]:	QCanvasItem::boundingRectAdvanced() const
vfunc[16]:	QCanvasPolygonalItem::chunks() const
vfunc[17]:	QCanvasItem::addToChunks()

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vfunc[18]:	QCanvasItem::removeFromChunks()
vfunc[19]:	QCanvasItem::changeChunks()
vfunc[20]:	QCanvasPolygonalItem::collidesWith (QCanvasSprite const*, QCanvasPolygonalItem const*, QCanvasRectangle const*, QCanvasEllipse const*, QCanvasText const*) const
vfunc[21]:	QCanvasPolygonalItem::setPen(QPen)
vfunc[22]:	QCanvasPolygonalItem::setBrush(QBrush)
vfunc[23]:	QCanvasPolygon::areaPoints() const
vfunc[24]:	QCanvasPolygonalItem::areaPointsAdvanced() const
vfunc[25]:	QCanvasPolygon::drawShape(QPainter&)

The Run Time Type Information for the QCanvasSpline class is described by Table 13-391

Table 13-391 typeinfo for QCanvasSpline

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QCanvasSpline
basetype:	typeinfo for QCanvasPolygon

13.2.1.196 Class data for QFontDialog

The virtual table for the QFontDialog class is described by Table 13-392

Table 13-392 Primary vtable for QFontDialog

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QFontDialog
vfunc[0]:	QFontDialog::metaObject() const
vfunc[1]:	QFontDialog::className() const
vfunc[2]:	QFontDialog::qt_cast(char const*)
vfunc[3]:	QFontDialog::qt_invoke(int, QUObject*)
vfunc[4]:	QFontDialog::qt_emit(int, QUObject*)
vfunc[5]:	QFontDialog::qt_property(int, int,

	QVariant*)
vfunc[6]:	QFontDialog::~QFontDialog()
vfunc[7]:	QFontDialog::~QFontDialog()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QFontDialog::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColo r(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixm ap(QPixmap const&)
vfunc[31]:	QFontDialog::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)

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vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPi xmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::F ocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QDialog::show()
vfunc[48]:	QDialog::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QDialog::move(int, int)
vfunc[54]:	QDialog::resize(int, int)
vfunc[55]:	QDialog::setGeometry(int, int, int, int)
vfunc[56]:	QDialog::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QDialog::sizeHint() const
vfunc[59]:	QDialog::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()

vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QDialog::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QDialog::resizeEvent(QResizeEvent*)
vfunc[83]:	QDialog::closeEvent(QCloseEvent*)
vfunc[84]:	QDialog::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)

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vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QDialog::done(int)
vfunc[111]:	QDialog::accept()
vfunc[112]:	QDialog::reject()

The Run Time Type Information for the QFontDialog class is described by Table 13-393

Table 13-393 typeinfo for QFontDialog

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QFontDialog

basetype:	typeinfo for QDialog

13.2.1.197 Class data for QGArray

The virtual table for the QGArray class is described by Table 13-394

Table 13-394 Primary vtable for QGArray

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QGArray
vfunc[0]:	QGArray::~QGArray()
vfunc[1]:	QGArray::~QGArray()
vfunc[2]:	QGArray::detach()
vfunc[3]:	QGArray::newData()
vfunc[4]:	QGArray::deleteData(QGArray::array_data*)

The Run Time Type Information for the QGArray class is described by Table 13-395

Table 13-395 typeinfo for QGArray

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QGArray

13.2.1.198 Class data for QBitArray

The virtual table for the QBitArray class is described by Table 13-396

Table 13-396 Primary vtable for QBitArray

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QBitArray
vfunc[0]:	QBitArray::~QBitArray()
vfunc[1]:	QBitArray::~QBitArray()
vfunc[2]:	QBitArray::detach()
vfunc[3]:	QBitArray::newData()
vfunc[4]:	QBitArray::deleteData(QGArray::array_data*)

The Run Time Type Information for the QBitArray class is described by Table 13-397

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Table 13-397 typeinfo for QBitArray

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QBitArray
basetype:	typeinfo for QMemArray<char>

13.2.1.199 Class data for QCheckBox

The virtual table for the QCheckBox class is described by Table 13-398

Table 13-398 Primary vtable for QCheckBox

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QCheckBox
vfunc[0]:	QCheckBox::metaObject() const
vfunc[1]:	QCheckBox::className() const
vfunc[2]:	QCheckBox::qt_cast(char const*)
vfunc[3]:	QCheckBox::qt_invoke(int, QUObject*)
vfunc[4]:	QCheckBox::qt_emit(int, QUObject*)
vfunc[5]:	QCheckBox::qt_property(int, int, QVariant*)
vfunc[6]:	QCheckBox::~QCheckBox()
vfunc[7]:	QCheckBox::~QCheckBox()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)

vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)

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vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QCheckBox::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QButton::mousePressEvent(QMouseEvent*)
vfunc[70]:	QButton::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QButton::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QButton::keyPressEvent(QKeyEvent*)

vfunc[75]:	QButton::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QButton::focusInEvent(QFocusEvent*)
vfunc[77]:	QButton::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QButton::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QCheckBox::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QCheckBox::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QButton::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)

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vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QButton::setText(QString const&)
vfunc[111]:	QButton::setPixmap(QPixmap const&)
vfunc[112]:	QButton::setAccel(QKeySequence const&)
vfunc[113]:	QButton::setDown(bool)
vfunc[114]:	QButton::setAutoRepeat(bool)
vfunc[115]:	QButton::setToggleType(QButton::ToggleType)
vfunc[116]:	QButton::setState(QButton::ToggleState)
vfunc[117]:	QCheckBox::hitButton(QPoint const&) const
vfunc[118]:	QCheckBox::drawButton(QPainter*)
vfunc[119]:	QCheckBox::drawButtonLabel(QPainter*)
vfunc[120]:	QButton::setGroup(QButtonGroup*)

The Run Time Type Information for the QCheckBox class is described by Table 13-399

Table 13-399 typeinfo for QCheckBox

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QCheckBox
basetype:	typeinfo for QButton

13.2.1.200 Class data for QDockWindow

The virtual table for the QDockWindow class is described by Table 13-400

Table 13-400 Primary vtable for QDockWindow

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDockWindow
vfunc[0]:	QDockWindow::metaObject() const
vfunc[1]:	QDockWindow::className() const
vfunc[2]:	QDockWindow::qt_cast(char const*)
vfunc[3]:	QDockWindow::qt_invoke(int, QUObject*)
vfunc[4]:	QDockWindow::qt_emit(int, QUObject*)
vfunc[5]:	QDockWindow::qt_property(int, int, QVariant*)
vfunc[6]:	QDockWindow::~QDockWindow()
vfunc[7]:	QDockWindow::~QDockWindow()
vfunc[8]:	QDockWindow::event(QEvent*)
vfunc[9]:	QDockWindow::eventFilter(QObject* , QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)

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vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QDockWindow::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()

vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QDockWindow::sizeHint() const
vfunc[59]:	QDockWindow::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEve

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	nt*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QDockWindow::resizeEvent(QResize Event*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QDockWindow::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEve nt*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnt erEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMo veEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLe aveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QDockWindow::showEvent(QShowE vent*)
vfunc[94]:	QDockWindow::hideEvent(QHideEv ent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QFrame::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)

vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QDockWindow::drawFrame(QPainter*)
vfunc[116]:	QDockWindow::drawContents(QPainter*)
vfunc[117]:	QFrame::frameChanged()
vfunc[118]:	QDockWindow::setWidget(QWidget*)
vfunc[119]:	QDockWindow::setCloseMode(int)
vfunc[120]:	QDockWindow::setResizeEnabled(bool)
vfunc[121]:	QDockWindow::setMovingEnabled(bool)
vfunc[122]:	QDockWindow::setHorizontallyStretchable(bool)
vfunc[123]:	QDockWindow::setVerticallyStretchable(bool)
vfunc[124]:	QDockWindow::setOffset(int)
vfunc[125]:	QDockWindow::setFixedExtentWidth(int)
vfunc[126]:	QDockWindow::setFixedExtentHeight(int)
vfunc[127]:	QDockWindow::setNewLine(bool)
vfunc[128]:	QDockWindow::setOpaqueMoving(bool)
vfunc[129]:	QDockWindow::undock(QWidget*)
vfunc[130]:	QDockWindow::undock()

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vfunc[131]:	QDockWindow::dock()
vfunc[132]:	QDockWindow::setOrientation(Qt::Orientation)

The Run Time Type Information for the QDockWindow class is described by Table 13-401

Table 13-401 typeinfo for QDockWindow

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDockWindow
basetype:	typeinfo for QFrame

13.2.1.201 Class data for QImageFormatPlugin

The virtual table for the QImageFormatPlugin class is described by Table 13-402

Table 13-402 Primary vtable for QImageFormatPlugin

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QImageFormatPlugin
vfunc[0]:	QImageFormatPlugin::metaObject() const
vfunc[1]:	QImageFormatPlugin::className() const
vfunc[2]:	QImageFormatPlugin::qt_cast(char const*)
vfunc[3]:	QImageFormatPlugin::qt_invoke(int, QUObject*)
vfunc[4]:	QImageFormatPlugin::qt_emit(int, QUObject*)
vfunc[5]:	QImageFormatPlugin::qt_property(int, int, QVariant*)
vfunc[6]:	QImageFormatPlugin::~QImageFormatPlugin()
vfunc[7]:	QImageFormatPlugin::~QImageFormatPlugin()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)

vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	__cxa_pure_virtual
vfunc[22]:	QImageFormatPlugin::loadImage(QString const&, QString const&, QImage*)
vfunc[23]:	QImageFormatPlugin::saveImage(QString const&, QString const&, QImage const&)
vfunc[24]:	__cxa_pure_virtual

The Run Time Type Information for the QImageFormatPlugin class is described by Table 13-403

Table 13-403 typeinfo for QImageFormatPlugin

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QImageFormatPlugin
basetype:	typeinfo for QGPlugin

13.2.1.202 Class data for QEucJpCodec

The virtual table for the QEucJpCodec class is described by Table 13-404

Table 13-404 Primary vtable for QEucJpCodec

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QEucJpCodec
vfunc[0]:	QEucJpCodec::~QEucJpCodec()
vfunc[1]:	QEucJpCodec::~QEucJpCodec()
vfunc[2]:	QEucJpCodec::name() const

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vfunc[3]:	QEucJpCodec::mimeName() const
vfunc[4]:	QEucJpCodec::mibEnum() const
vfunc[5]:	QEucJpCodec::makeDecoder() const
vfunc[6]:	QTextCodec::makeEncoder() const
vfunc[7]:	QEucJpCodec::toUnicode(char const*, int) const
vfunc[8]:	QEucJpCodec::fromUnicode(QString const&, int&) const
vfunc[9]:	QTextCodec::canEncode(QChar) const
vfunc[10]:	QTextCodec::canEncode(QString const&) const
vfunc[11]:	QEucJpCodec::heuristicContentMatch(char const*, int) const
vfunc[12]:	QEucJpCodec::heuristicNameMatch(char const*) const
vfunc[13]:	QTextCodec::fromUnicode(QString const&, int, int) const
vfunc[14]:	QTextCodec::characterFromUnicode(QString const&, int) const

The Run Time Type Information for the QEucJpCodec class is described by Table 13-405

Table 13-405 typeinfo for QEucJpCodec

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QEucJpCodec
basetype:	typeinfo for QTextCodec

13.2.1.203 Class data for QSqlResultShared

The virtual table for the QSqlResultShared class is described by Table 13-406

Table 13-406 Primary vtable for QSqlResultShared

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSqlResultShared
vfunc[0]:	QSqlResultShared::metaObject() const
vfunc[1]:	QSqlResultShared::className() const
vfunc[2]:	QSqlResultShared::qt_cast(char const*)

vfunc[3]:	QSqlResultShared::qt_invoke(int, QUObject*)
vfunc[4]:	QSqlResultShared::qt_emit(int, QUObject*)
vfunc[5]:	QSqlResultShared::qt_property(int, int, QVariant*)
vfunc[6]:	QSqlResultShared::~QSqlResultShared()
vfunc[7]:	QSqlResultShared::~QSqlResultShared()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

The Run Time Type Information for the QSqlResultShared class is described by Table 13-407

Table 13-407 typeinfo for QSqlResultShared

Base Vtable	vtable for __cxxabiv1::__vmi_class_type_info	
Name	typeinfo name for QSqlResultShared	
flags:	0	
basetype:	typeinfo for QObject	2
basetype:	typeinfo for QShared	10242

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13.2.1.204 Class data for QSqlError

The virtual table for the QSqlError class is described by Table 13-408

Table 13-408 Primary vtable for QSqlError

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSqlError
vfunc[0]:	QSqlError::~QSqlError()
vfunc[1]:	QSqlError::~QSqlError()
vfunc[2]:	QSqlError::setDriverText(QString const&)
vfunc[3]:	QSqlError::setDatabaseText(QString const&)
vfunc[4]:	QSqlError::setType(int)
vfunc[5]:	QSqlError::setNumber(int)

The Run Time Type Information for the QSqlError class is described by Table 13-409

Table 13-409 typeinfo for QSqlError

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QSqlError

13.2.1.205 Class data for QServerSocket

The virtual table for the QServerSocket class is described by Table 13-410

Table 13-410 Primary vtable for QServerSocket

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QServerSocket
vfunc[0]:	QServerSocket::metaObject() const
vfunc[1]:	QServerSocket::className() const
vfunc[2]:	QServerSocket::qt_cast(char const*)
vfunc[3]:	QServerSocket::qt_invoke(int, QUObject*)
vfunc[4]:	QServerSocket::qt_emit(int, QUObject*)
vfunc[5]:	QServerSocket::qt_property(int, int, QVariant*)
vfunc[6]:	QServerSocket::~QServerSocket()

vfunc[7]:	QServerSocket::~QServerSocket()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QServerSocket::setSocket(int)
vfunc[22]:	__cxa_pure_virtual

The Run Time Type Information for the QServerSocket class is described by Table 13-411

Table 13-411 typeinfo for QServerSocket

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QServerSocket
basetype:	typeinfo for QObject

13.2.1.206 Class data for QXmlContentHandler

The virtual table for the QXmlContentHandler class is described by Table 13-412

Table 13-412 Primary vtable for QXmlContentHandler

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QXmlContentHandler
vfunc[0]:	__cxa_pure_virtual

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vfunc[1]:	__cxa_pure_virtual
vfunc[2]:	__cxa_pure_virtual
vfunc[3]:	__cxa_pure_virtual
vfunc[4]:	__cxa_pure_virtual
vfunc[5]:	__cxa_pure_virtual
vfunc[6]:	__cxa_pure_virtual
vfunc[7]:	__cxa_pure_virtual
vfunc[8]:	__cxa_pure_virtual
vfunc[9]:	__cxa_pure_virtual
vfunc[10]:	__cxa_pure_virtual
vfunc[11]:	__cxa_pure_virtual

The Run Time Type Information for the QXmlContentHandler class is described by Table 13-413

Table 13-413 typeinfo for QXmlContentHandler

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QXmlContentHandler

13.2.1.207 Class data for QGb2312Codec

The virtual table for the QGb2312Codec class is described by Table 13-414

Table 13-414 Primary vtable for QGb2312Codec

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QGb2312Codec
vfunc[0]:	QGb2312Codec::~QGb2312Codec()
vfunc[1]:	QGb2312Codec::~QGb2312Codec()
vfunc[2]:	QGb2312Codec::name() const
vfunc[3]:	QTextCodec::mimeName() const
vfunc[4]:	QGb2312Codec::mibEnum() const
vfunc[5]:	QGb2312Codec::makeDecoder() const
vfunc[6]:	QTextCodec::makeEncoder() const
vfunc[7]:	QGb2312Codec::toUnicode(char const*, int) const
vfunc[8]:	QGb2312Codec::fromUnicode(QStrin

	g const&, int&) const
vfunc[9]:	QTextCodec::canEncode(QChar) const
vfunc[10]:	QTextCodec::canEncode(QString const&) const
vfunc[11]:	QGb2312Codec::heuristicContentMatch(char const*, int) const
vfunc[12]:	QGb2312Codec::heuristicNameMatch(char const*) const
vfunc[13]:	QTextCodec::fromUnicode(QString const&, int, int) const
vfunc[14]:	QTextCodec::characterFromUnicode(QString const&, int) const

The Run Time Type Information for the QGb2312Codec class is described by Table 13-415

Table 13-415 typeinfo for QGb2312Codec

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QGb2312Codec
basetype:	typeinfo for QGb18030Codec

13.2.1.208 Class data for QFocusEvent

The virtual table for the QFocusEvent class is described by Table 13-416

Table 13-416 Primary vtable for QFocusEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QFocusEvent
vfunc[0]:	QFocusEvent::~QFocusEvent()
vfunc[1]:	QFocusEvent::~QFocusEvent()

The Run Time Type Information for the QFocusEvent class is described by Table 13-417

Table 13-417 typeinfo for QFocusEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QFocusEvent
basetype:	typeinfo for QEvent

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13.2.1.209 Class data for QMouseEvent

The virtual table for the QMouseEvent class is described by Table 13-418

Table 13-418 Primary vtable for QMouseEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QMouseEvent
vfunc[0]:	QMouseEvent::~QMouseEvent()
vfunc[1]:	QMouseEvent::~QMouseEvent()

The Run Time Type Information for the QMouseEvent class is described by Table 13-419

Table 13-419 typeinfo for QMouseEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QMouseEvent
basetype:	typeinfo for QEvent

13.2.1.210 Class data for QUrlInfo

The virtual table for the QUrlInfo class is described by Table 13-420

Table 13-420 Primary vtable for QUrlInfo

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QUrlInfo
vfunc[0]:	QUrlInfo::~QUrlInfo()
vfunc[1]:	QUrlInfo::~QUrlInfo()
vfunc[2]:	QUrlInfo::setName(QString const&)
vfunc[3]:	QUrlInfo::setDir(bool)
vfunc[4]:	QUrlInfo::setFile(bool)
vfunc[5]:	QUrlInfo::setSymLink(bool)
vfunc[6]:	QUrlInfo::setOwner(QString const&)
vfunc[7]:	QUrlInfo::setGroup(QString const&)
vfunc[8]:	QUrlInfo::setSize(unsigned int)
vfunc[9]:	QUrlInfo::setWritable(bool)
vfunc[10]:	QUrlInfo::setReadable(bool)
vfunc[11]:	QUrlInfo::setPermissions(int)
vfunc[12]:	QUrlInfo::setLastModified(QDateTi

	me const&)

The Run Time Type Information for the QUrlInfo class is described by Table 13-421

Table 13-421 typeinfo for QUrlInfo

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QUrlInfo

13.2.1.211 Class data for QImageConsumer

The virtual table for the QImageConsumer class is described by Table 13-422

Table 13-422 Primary vtable for QImageConsumer

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QImageConsumer
vfunc[0]:	__cxa_pure_virtual
vfunc[1]:	__cxa_pure_virtual
vfunc[2]:	__cxa_pure_virtual
vfunc[3]:	__cxa_pure_virtual
vfunc[4]:	__cxa_pure_virtual
vfunc[5]:	__cxa_pure_virtual
vfunc[6]:	__cxa_pure_virtual

The Run Time Type Information for the QImageConsumer class is described by Table 13-423

Table 13-423 typeinfo for QImageConsumer

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QImageConsumer

13.2.1.212 Class data for QDomEntityReference

The virtual table for the QDomEntityReference class is described by Table 13-424

Table 13-424 Primary vtable for QDomEntityReference

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDomEntityReference
vfunc[0]:	QDomEntityReference::~QDomEntit

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	yReference()
vfunc[1]:	QDomEntityReference::~QDomEntityReference()
vfunc[2]:	QDomNode::insertBefore(QDomNode const&, QDomNode const&)
vfunc[3]:	QDomNode::insertAfter(QDomNode const&, QDomNode const&)
vfunc[4]:	QDomNode::replaceChild(QDomNode const&, QDomNode const&)
vfunc[5]:	QDomNode::removeChild(QDomNode const&)
vfunc[6]:	QDomNode::appendChild(QDomNode const&)
vfunc[7]:	QDomNode::hasChildNodes() const
vfunc[8]:	QDomNode::cloneNode(bool) const
vfunc[9]:	QDomNode::normalize()
vfunc[10]:	QDomNode::isSupported(QString const&, QString const&) const
vfunc[11]:	QDomNode::nodeName() const
vfunc[12]:	QDomEntityReference::nodeType() const
vfunc[13]:	QDomNode::parentNode() const
vfunc[14]:	QDomNode::childNodes() const
vfunc[15]:	QDomNode::firstChild() const
vfunc[16]:	QDomNode::lastChild() const
vfunc[17]:	QDomNode::previousSibling() const
vfunc[18]:	QDomNode::nextSibling() const
vfunc[19]:	QDomNode::attributes() const
vfunc[20]:	QDomNode::ownerDocument() const
vfunc[21]:	QDomNode::namespaceURI() const
vfunc[22]:	QDomNode::localName() const
vfunc[23]:	QDomNode::hasAttributes() const
vfunc[24]:	QDomNode::nodeValue() const
vfunc[25]:	QDomNode::setNodeValue(QString const&)
vfunc[26]:	QDomNode::prefix() const
vfunc[27]:	QDomNode::setPrefix(QString const&)

vfunc[28]:	QDomNode::isAttr() const
vfunc[29]:	QDomNode::isCDATASection() const
vfunc[30]:	QDomNode::isDocumentFragment() const
vfunc[31]:	QDomNode::isDocument() const
vfunc[32]:	QDomNode::isDocumentType() const
vfunc[33]:	QDomNode::isElement() const
vfunc[34]:	QDomEntityReference::isEntityReference() const
vfunc[35]:	QDomNode::isText() const
vfunc[36]:	QDomNode::isEntity() const
vfunc[37]:	QDomNode::isNotation() const
vfunc[38]:	QDomNode::isProcessingInstruction() const
vfunc[39]:	QDomNode::isCharacterData() const
vfunc[40]:	QDomNode::isComment() const

The Run Time Type Information for the QDomEntityReference class is described by Table 13-425

Table 13-425 typeinfo for QDomEntityReference

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDomEntityReference
basetype:	typeinfo for QDomNode

13.2.1.213 Class data for QSpinWidget

The virtual table for the QSpinWidget class is described by Table 13-426

Table 13-426 Primary vtable for QSpinWidget

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSpinWidget
vfunc[0]:	QSpinWidget::metaObject() const
vfunc[1]:	QSpinWidget::className() const
vfunc[2]:	QSpinWidget::qt_cast(char const*)
vfunc[3]:	QSpinWidget::qt_invoke(int, QUObject*)

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vfunc[4]:	QSpinWidget::qt_emit(int, QUObject*)
vfunc[5]:	QSpinWidget::qt_property(int, int, QVariant*)
vfunc[6]:	QSpinWidget::~QSpinWidget()
vfunc[7]:	QSpinWidget::~QSpinWidget()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)

vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPi xmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::F ocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QWidget::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const

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vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QSpinWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QSpinWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QSpinWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QSpinWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QSpinWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QSpinWidget::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)

vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QSpinWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QSpinWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QSpinWidget::setButtonSymbols(QSpinWidget::ButtonSymbols)

The Run Time Type Information for the QSpinWidget class is described by Table 13-427

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Table 13-427 typeinfo for QSpinWidget

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSpinWidget
basetype:	typeinfo for QWidget

13.2.1.214 Class data for QChildEvent

The virtual table for the QChildEvent class is described by Table 13-428

Table 13-428 Primary vtable for QChildEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QChildEvent
vfunc[0]:	QChildEvent::~QChildEvent()
vfunc[1]:	QChildEvent::~QChildEvent()

The Run Time Type Information for the QChildEvent class is described by Table 13-429

Table 13-429 typeinfo for QChildEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QChildEvent
basetype:	typeinfo for QEvent

13.2.1.215 Class data for QTextOStream

The virtual table for the QTextOStream class is described by Table 13-430

Table 13-430 Primary vtable for QTextOStream

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTextOStream
vfunc[0]:	QTextOStream::~QTextOStream()
vfunc[1]:	QTextOStream::~QTextOStream()

The Run Time Type Information for the QTextOStream class is described by Table 13-431

Table 13-431 typeinfo for QTextOStream

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QTextOStream

basetype:	typeinfo for QTextStream

13.2.1.216 Class data for QSignalVec

The virtual table for the QSignalVec class is described by Table 13-432

Table 13-432 Primary vtable for QSignalVec

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSignalVec
vfunc[0]:	QPtrVector<QConnectionList>::count() const
vfunc[1]:	QPtrVector<QConnectionList>::clear()
vfunc[2]:	QSignalVec::~QSignalVec()
vfunc[3]:	QSignalVec::~QSignalVec()
vfunc[4]:	QPtrCollection::newItem(void*)
vfunc[5]:	QPtrVector<QConnectionList>::deleteItem(void*)
vfunc[6]:	QGVector::compareItems(void*, void*)
vfunc[7]:	QGVector::read(QDataStream&, void*&)
vfunc[8]:	QGVector::write(QDataStream&, void*) const

The Run Time Type Information for the QSignalVec class is described by Table 13-433

Table 13-433 typeinfo for QSignalVec

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSignalVec
basetype:	typeinfo for QPtrVector<QConnectionList>

13.2.1.217 Class data for QValidator

The virtual table for the QValidator class is described by Table 13-434

Table 13-434 Primary vtable for QValidator

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QValidator

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vfunc[0]:	QValidator::metaObject() const
vfunc[1]:	QValidator::className() const
vfunc[2]:	QValidator::qt_cast(char const*)
vfunc[3]:	QValidator::qt_invoke(int, QUObject*)
vfunc[4]:	QValidator::qt_emit(int, QUObject*)
vfunc[5]:	QValidator::qt_property(int, int, QVariant*)
vfunc[6]:	QValidator::~QValidator()
vfunc[7]:	QValidator::~QValidator()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	__cxa_pure_virtual
vfunc[22]:	QValidator::fixup(QString&) const

The Run Time Type Information for the QValidator class is described by Table 13-435

Table 13-435 typeinfo for QValidator

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QValidator
basetype:	typeinfo for QObject

13.2.1.218 Class data for QGridLayout

The virtual table for the QGridLayout class is described by Table 13-436

Table 13-436 Primary vtable for QGridLayout

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QGridLayout
vfunc[0]:	QGridLayout::metaObject() const
vfunc[1]:	QGridLayout::className() const
vfunc[2]:	QGridLayout::qt_cast(char const*)
vfunc[3]:	QGridLayout::qt_invoke(int, QUObject*)
vfunc[4]:	QGridLayout::qt_emit(int, QUObject*)
vfunc[5]:	QGridLayout::qt_property(int, int, QVariant*)
vfunc[6]:	QGridLayout::~QGridLayout()
vfunc[7]:	QGridLayout::~QGridLayout()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QLayout::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QLayout::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QLayout::setMargin(int)
vfunc[22]:	QLayout::setSpacing(int)

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vfunc[23]:	QLayout::setMenuBar(QMenuBar*)
vfunc[24]:	QLayout::setAutoAdd(bool)
vfunc[25]:	QGridLayout::invalidate()
vfunc[26]:	QLayout::geometry() const
vfunc[27]:	QGridLayout::addItem(QLayoutItem *)
vfunc[28]:	QGridLayout::expanding() const
vfunc[29]:	QGridLayout::minimumSize() const
vfunc[30]:	QGridLayout::maximumSize() const
vfunc[31]:	QGridLayout::setGeometry(QRect const&)
vfunc[32]:	QGridLayout::iterator()
vfunc[33]:	QLayout::isEmpty() const
vfunc[34]:	QLayout::layout()
vfunc[35]:	QGridLayout::sizeHint() const
vfunc[36]:	QGridLayout::setRowStretch(int, int)
vfunc[37]:	QGridLayout::setColStretch(int, int)
vfunc[38]:	QGridLayout::hasHeightForWidth() const
vfunc[39]:	QGridLayout::heightForWidth(int) const

The Run Time Type Information for the QGridLayout class is described by Table 13-437

Table 13-437 typeinfo for QGridLayout

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QGridLayout
basetype:	typeinfo for QLayout

13.2.1.219 Class data for QHebrewCodec

The virtual table for the QHebrewCodec class is described by Table 13-438

Table 13-438 Primary vtable for QHebrewCodec

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QHebrewCodec
vfunc[0]:	QHebrewCodec::~QHebrewCodec()

vfunc[1]:	QHebrewCodec::~QHebrewCodec()
vfunc[2]:	QHebrewCodec::name() const
vfunc[3]:	QHebrewCodec::mimeName() const
vfunc[4]:	QHebrewCodec::mibEnum() const
vfunc[5]:	QTextCodec::makeDecoder() const
vfunc[6]:	QTextCodec::makeEncoder() const
vfunc[7]:	QHebrewCodec::toUnicode(char const*, int) const
vfunc[8]:	QHebrewCodec::fromUnicode(QString const&, int&) const
vfunc[9]:	QTextCodec::canEncode(QChar) const
vfunc[10]:	QTextCodec::canEncode(QString const&) const
vfunc[11]:	QHebrewCodec::heuristicContentMatch(char const*, int) const
vfunc[12]:	QTextCodec::heuristicNameMatch(char const*) const
vfunc[13]:	QTextCodec::fromUnicode(QString const&, int, int) const
vfunc[14]:	QTextCodec::characterFromUnicode(QString const&, int) const

The Run Time Type Information for the QHebrewCodec class is described by Table 13-439

Table 13-439 typeinfo for QHebrewCodec

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QHebrewCodec
basetype:	typeinfo for QTextCodec

13.2.1.220 Class data for QToolBox

The virtual table for the QToolBox class is described by Table 13-440

Table 13-440 Primary vtable for QToolBox

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QToolBox
vfunc[0]:	QToolBox::metaObject() const
vfunc[1]:	QToolBox::className() const

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vfunc[2]:	QToolBox::qt_cast(char const*)
vfunc[3]:	QToolBox::qt_invoke(int, QUObject*)
vfunc[4]:	QToolBox::qt_emit(int, QUObject*)
vfunc[5]:	QToolBox::qt_property(int, int, QVariant*)
vfunc[6]:	QToolBox::~QToolBox()
vfunc[7]:	QToolBox::~QToolBox()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColo r(QColor const&)

vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QFrame::sizeHint() const

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vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QFrame::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)

vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QToolBox::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QToolBox::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)

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vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QFrame::drawContents(QPainter*)
vfunc[117]:	QToolBox::frameChanged()
vfunc[118]:	QToolBox::itemInserted(int)
vfunc[119]:	QToolBox::itemRemoved(int)

The Run Time Type Information for the QToolBox class is described by Table 13-441

Table 13-441 typeinfo for QToolBox

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QToolBox
basetype:	typeinfo for QFrame

13.2.1.221 Class data for QNetworkOperation

The virtual table for the QNetworkOperation class is described by Table 13-442

Table 13-442 Primary vtable for QNetworkOperation

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QNetworkOperation
vfunc[0]:	QNetworkOperation::metaObject() const
vfunc[1]:	QNetworkOperation::className() const
vfunc[2]:	QNetworkOperation::qt_cast(char const*)
vfunc[3]:	QNetworkOperation::qt_invoke(int, QUObject*)
vfunc[4]:	QNetworkOperation::qt_emit(int, QUObject*)
vfunc[5]:	QNetworkOperation::qt_property(int, int, QVariant*)
vfunc[6]:	QNetworkOperation::~QNetworkOperation()
vfunc[7]:	QNetworkOperation::~QNetworkOperation()
vfunc[8]:	QObject::event(QEvent*)

vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

The Run Time Type Information for the QNetworkOperation class is described by Table 13-443

Table 13-443 typeinfo for QNetworkOperation

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QNetworkOperation
basetype:	typeinfo for QObject

13.2.1.222 Class data for QHttp

The virtual table for the QHttp class is described by Table 13-444

Table 13-444 Primary vtable for QHttp

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QHttp
vfunc[0]:	QHttp::metaObject() const
vfunc[1]:	QHttp::className() const
vfunc[2]:	QHttp::qt_cast(char const*)
vfunc[3]:	QHttp::qt_invoke(int, QUObject*)
vfunc[4]:	QHttp::qt_emit(int, QUObject*)

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vfunc[5]:	QHttp::qt_property(int, int, QVariant*)
vfunc[6]:	QHttp::~QHttp()
vfunc[7]:	QHttp::~QHttp()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QHttp::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QNetworkProtocol::setUrl(QUrlOperator*)
vfunc[22]:	QNetworkProtocol::setAutoDelete(bool, int)
vfunc[23]:	QHttp::supportedOperations() const
vfunc[24]:	QNetworkProtocol::addOperation(QNetworkOperation*)
vfunc[25]:	QNetworkProtocol::clearOperationQueue()
vfunc[26]:	QNetworkProtocol::stop()
vfunc[27]:	QNetworkProtocol::processOperation(QNetworkOperation*)
vfunc[28]:	QNetworkProtocol::operationListChildren(QNetworkOperation*)
vfunc[29]:	QNetworkProtocol::operationMkDir(QNetworkOperation*)
vfunc[30]:	QNetworkProtocol::operationRemov

	e(QNetworkOperation*)
vfunc[31]:	QNetworkProtocol::operationRenam e(QNetworkOperation*)
vfunc[32]:	QHttp::operationGet(QNetworkOper ation*)
vfunc[33]:	QHttp::operationPut(QNetworkOper ation*)
vfunc[34]:	QNetworkProtocol::operationPutChu nk(QNetworkOperation*)
vfunc[35]:	QNetworkProtocol::checkConnection (QNetworkOperation*)

The Run Time Type Information for the QHttp class is described by Table 13-445

Table 13-445 typeinfo for QHttp

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QHttp
basetype:	typeinfo for QNetworkProtocol

13.2.1.223 Class data for QSqlForm

The virtual table for the QSqlForm class is described by Table 13-446

Table 13-446 Primary vtable for QSqlForm

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSqlForm
vfunc[0]:	QSqlForm::metaObject() const
vfunc[1]:	QSqlForm::className() const
vfunc[2]:	QSqlForm::qt_cast(char const*)
vfunc[3]:	QSqlForm::qt_invoke(int, QUObject*)
vfunc[4]:	QSqlForm::qt_emit(int, QUObject*)
vfunc[5]:	QSqlForm::qt_property(int, int, QVariant*)
vfunc[6]:	QSqlForm::~QSqlForm()
vfunc[7]:	QSqlForm::~QSqlForm()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)

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vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QSqlForm::insert(QWidget*, QString const&)
vfunc[22]:	QSqlForm::remove(QString const&)
vfunc[23]:	QSqlForm::setRecord(QSqlRecord*)
vfunc[24]:	QSqlForm::readField(QWidget*)
vfunc[25]:	QSqlForm::writeField(QWidget*)
vfunc[26]:	QSqlForm::readFields()
vfunc[27]:	QSqlForm::writeFields()
vfunc[28]:	QSqlForm::clear()
vfunc[29]:	QSqlForm::clearValues(bool)
vfunc[30]:	QSqlForm::insert(QWidget*, QSqlField*)
vfunc[31]:	QSqlForm::remove(QWidget*)
vfunc[32]:	QSqlForm::sync()

The Run Time Type Information for the QSqlForm class is described by Table 13-447

Table 13-447 typeinfo for QSqlForm

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSqlForm
basetype:	typeinfo for QObject

13.2.1.224 Class data for QEvent

The virtual table for the QEvent class is described by Table 13-448

Table 13-448 Primary vtable for QEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QEvent
vfunc[0]:	QEvent::~QEvent()
vfunc[1]:	QEvent::~QEvent()

The Run Time Type Information for the QEvent class is described by Table 13-449

Table 13-449 typeinfo for QEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QEvent
basetype:	typeinfo for Qt

13.2.1.225 Class data for QMimeSource

The virtual table for the QMimeSource class is described by Table 13-450

Table 13-450 Primary vtable for QMimeSource

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QMimeSource
vfunc[0]:	QMimeSource::~QMimeSource()
vfunc[1]:	QMimeSource::~QMimeSource()
vfunc[2]:	__cxa_pure_virtual
vfunc[3]:	QMimeSource::provides(char const*) const
vfunc[4]:	__cxa_pure_virtual

The Run Time Type Information for the QMimeSource class is described by Table 13-451

Table 13-451 typeinfo for QMimeSource

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QMimeSource

13.2.1.226 Class data for QIMComposeEvent

The virtual table for the QIMComposeEvent class is described by Table 13-452

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Table 13-452 Primary vtable for QIMComposeEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QIMComposeEvent
vfunc[0]:	QIMComposeEvent::~QIMCompose Event()
vfunc[1]:	QIMComposeEvent::~QIMCompose Event()

The Run Time Type Information for the QIMComposeEvent class is described by Table 13-453

Table 13-453 typeinfo for QIMComposeEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QIMComposeEvent
basetype:	typeinfo for QIMEvent

13.2.1.227 Class data for QTextDecoder

The virtual table for the QTextDecoder class is described by Table 13-454

Table 13-454 Primary vtable for QTextDecoder

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTextDecoder
vfunc[0]:	QTextDecoder::~QTextDecoder()
vfunc[1]:	QTextDecoder::~QTextDecoder()
vfunc[2]:	__cxa_pure_virtual

The Run Time Type Information for the QTextDecoder class is described by Table 13-455

Table 13-455 typeinfo for QTextDecoder

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QTextDecoder

13.2.1.228 Class data for QSessionManager

The virtual table for the QSessionManager class is described by Table 13-456

Table 13-456 Primary vtable for QSessionManager

Base Offset	0

Virtual Base Offset	0
RTTI	typeinfo for QSessionManager
vfunc[0]:	QSessionManager::metaObject() const
vfunc[1]:	QSessionManager::className() const
vfunc[2]:	QSessionManager::qt_cast(char const*)
vfunc[3]:	QSessionManager::qt_invoke(int, QUObject*)
vfunc[4]:	QSessionManager::qt_emit(int, QUObject*)
vfunc[5]:	QSessionManager::qt_property(int, int, QVariant*)
vfunc[6]:	QSessionManager::~QSessionManager()
vfunc[7]:	QSessionManager::~QSessionManager()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

The Run Time Type Information for the QSessionManager class is described by Table 13-457

Table 13-457 typeinfo for QSessionManager

Base Vtable	vtable for

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	__cxxabiv1::__si_class_type_info
Name	typeinfo name for QSessionManager
basetype:	typeinfo for QObject

13.2.1.229 Class data for QImageFormatType

The virtual table for the QImageFormatType class is described by Table 13-458

Table 13-458 Primary vtable for QImageFormatType

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QImageFormatType
vfunc[0]:	QImageFormatType::~QImageFormatType()
vfunc[1]:	QImageFormatType::~QImageFormatType()
vfunc[2]:	__cxa_pure_virtual
vfunc[3]:	__cxa_pure_virtual

The Run Time Type Information for the QImageFormatType class is described by Table 13-459

Table 13-459 typeinfo for QImageFormatType

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QImageFormatType

13.2.1.230 Class data for QTextCodec

The virtual table for the QTextCodec class is described by Table 13-460

Table 13-460 Primary vtable for QTextCodec

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTextCodec
vfunc[0]:	QTextCodec::~QTextCodec()
vfunc[1]:	QTextCodec::~QTextCodec()
vfunc[2]:	__cxa_pure_virtual
vfunc[3]:	QTextCodec::mimeName() const
vfunc[4]:	__cxa_pure_virtual
vfunc[5]:	QTextCodec::makeDecoder() const
vfunc[6]:	QTextCodec::makeEncoder() const

vfunc[7]:	QTextCodec::toUnicode(char const*, int) const
vfunc[8]:	QTextCodec::fromUnicode(QString const&, int&) const
vfunc[9]:	QTextCodec::canEncode(QChar) const
vfunc[10]:	QTextCodec::canEncode(QString const&) const
vfunc[11]:	__cxa_pure_virtual
vfunc[12]:	QTextCodec::heuristicNameMatch(char const*) const
vfunc[13]:	QTextCodec::fromUnicode(QString const&, int, int) const
vfunc[14]:	QTextCodec::characterFromUnicode(QString const&, int) const

The Run Time Type Information for the QTextCodec class is described by Table 13-461

Table 13-461 typeinfo for QTextCodec

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QTextCodec

13.2.1.231 Class data for QSpacerItem

The virtual table for the QSpacerItem class is described by Table 13-462

Table 13-462 Primary vtable for QSpacerItem

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSpacerItem
vfunc[0]:	QSpacerItem::~QSpacerItem()
vfunc[1]:	QSpacerItem::~QSpacerItem()
vfunc[2]:	QSpacerItem::sizeHint() const
vfunc[3]:	QSpacerItem::minimumSize() const
vfunc[4]:	QSpacerItem::maximumSize() const
vfunc[5]:	QSpacerItem::expanding() const
vfunc[6]:	QSpacerItem::setGeometry(QRect const&)
vfunc[7]:	QSpacerItem::geometry() const
vfunc[8]:	QSpacerItem::isEmpty() const

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vfunc[9]:	QLayoutItem::hasHeightForWidth() const
vfunc[10]:	QLayoutItem::heightForWidth(int) const
vfunc[11]:	QLayoutItem::invalidate()
vfunc[12]:	QLayoutItem::widget()
vfunc[13]:	QLayoutItem::iterator()
vfunc[14]:	QLayoutItem::layout()
vfunc[15]:	QSpacerItem::spacerItem()
vfunc[16]:	QLayoutItem::setAlignment(int)

The Run Time Type Information for the QSpacerItem class is described by Table 13-463

Table 13-463 typeinfo for QSpacerItem

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSpacerItem
basetype:	typeinfo for QLayoutItem

13.2.1.232 Class data for QPrintDialog

The virtual table for the QPrintDialog class is described by Table 13-464

Table 13-464 Primary vtable for QPrintDialog

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QPrintDialog
vfunc[0]:	QPrintDialog::metaObject() const
vfunc[1]:	QPrintDialog::className() const
vfunc[2]:	QPrintDialog::qt_cast(char const*)
vfunc[3]:	QPrintDialog::qt_invoke(int, QUObject*)
vfunc[4]:	QPrintDialog::qt_emit(int, QUObject*)
vfunc[5]:	QPrintDialog::qt_property(int, int, QVariant*)
vfunc[6]:	QPrintDialog::~QPrintDialog()
vfunc[7]:	QPrintDialog::~QPrintDialog()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QDialog::eventFilter(QObject*,

	QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)

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vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QDialog::show()
vfunc[48]:	QDialog::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QDialog::move(int, int)
vfunc[54]:	QDialog::resize(int, int)
vfunc[55]:	QDialog::setGeometry(int, int, int, int)
vfunc[56]:	QDialog::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QDialog::sizeHint() const
vfunc[59]:	QDialog::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWi

	dget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QDialog::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QDialog::resizeEvent(QResizeEvent*)
vfunc[83]:	QDialog::closeEvent(QCloseEvent*)
vfunc[84]:	QDialog::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)

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vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QDialog::done(int)
vfunc[111]:	QDialog::accept()
vfunc[112]:	QDialog::reject()

The Run Time Type Information for the QPrintDialog class is described by Table 13-465

Table 13-465 typeinfo for QPrintDialog

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QPrintDialog
basetype:	typeinfo for QDialog

13.2.1.233 Class data for QProgressBar

The virtual table for the QProgressBar class is described by Table 13-466

Table 13-466 Primary vtable for QProgressBar

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QProgressBar
vfunc[0]:	QProgressBar::metaObject() const
vfunc[1]:	QProgressBar::className() const
vfunc[2]:	QProgressBar::qt_cast(char const*)
vfunc[3]:	QProgressBar::qt_invoke(int, QUObject*)
vfunc[4]:	QProgressBar::qt_emit(int, QUObject*)
vfunc[5]:	QProgressBar::qt_property(int, int, QVariant*)
vfunc[6]:	QProgressBar::~QProgressBar()
vfunc[7]:	QProgressBar::~QProgressBar()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)

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vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QProgressBar::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()

vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QProgressBar::sizeHint() const
vfunc[59]:	QProgressBar::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEve

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	nt*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QFrame::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QProgressBar::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)

vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QProgressBar::drawContents(QPainter*)
vfunc[117]:	QFrame::frameChanged()
vfunc[118]:	QProgressBar::setTotalSteps(int)
vfunc[119]:	QProgressBar::setProgress(int)
vfunc[120]:	QProgressBar::setIndicator(QString&, int, int)

The Run Time Type Information for the QProgressBar class is described by Table 13-467

Table 13-467 typeinfo for QProgressBar

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QProgressBar
basetype:	typeinfo for QFrame

13.2.1.234 Class data for QIconViewItem

The virtual table for the QIconViewItem class is described by Table 13-468

Table 13-468 Primary vtable for QIconViewItem

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QIconViewItem
vfunc[0]:	QIconViewItem::~QIconViewItem()
vfunc[1]:	QIconViewItem::~QIconViewItem()
vfunc[2]:	QIconViewItem::setRenameEnabled(bool)

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vfunc[3]:	QIconViewItem::setDragEnabled(bool)
vfunc[4]:	QIconViewItem::setDropEnabled(bool)
vfunc[5]:	QIconViewItem::text() const
vfunc[6]:	QIconViewItem::pixmap() const
vfunc[7]:	QIconViewItem::picture() const
vfunc[8]:	QIconViewItem::key() const
vfunc[9]:	QIconViewItem::setSelected(bool, bool)
vfunc[10]:	QIconViewItem::setSelected(bool)
vfunc[11]:	QIconViewItem::setSelectable(bool)
vfunc[12]:	QIconViewItem::repaint()
vfunc[13]:	QIconViewItem::move(int, int)
vfunc[14]:	QIconViewItem::moveBy(int, int)
vfunc[15]:	QIconViewItem::move(QPoint const&)
vfunc[16]:	QIconViewItem::moveBy(QPoint const&)
vfunc[17]:	QIconViewItem::acceptDrop(QMimeSource const*) const
vfunc[18]:	QIconViewItem::compare(QIconViewItem*) const
vfunc[19]:	QIconViewItem::setText(QString const&)
vfunc[20]:	QIconViewItem::setPixmap(QPixmap const&)
vfunc[21]:	QIconViewItem::setPicture(QPicture const&)
vfunc[22]:	QIconViewItem::setText(QString const&, bool, bool)
vfunc[23]:	QIconViewItem::setPixmap(QPixmap const&, bool, bool)
vfunc[24]:	QIconViewItem::setKey(QString const&)
vfunc[25]:	QIconViewItem::rtti() const
vfunc[26]:	QIconViewItem::removeRenameBox()
vfunc[27]:	QIconViewItem::calcRect(QString const&)

vfunc[28]:	QIconViewItem::paintItem(QPainter*, QColorGroup const&)
vfunc[29]:	QIconViewItem::paintFocus(QPainter*, QColorGroup const&)
vfunc[30]:	QIconViewItem::dropped(QDropEvent*, QValueList<QIconDragItem> const&)
vfunc[31]:	QIconViewItem::dragEntered()
vfunc[32]:	QIconViewItem::dragLeft()

The Run Time Type Information for the QIconViewItem class is described by Table 13-469

Table 13-469 typeinfo for QIconViewItem

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QIconViewItem
basetype:	typeinfo for Qt

13.2.1.235 Class data for QDomCDATASection

The virtual table for the QDomCDATASection class is described by Table 13-470

Table 13-470 Primary vtable for QDomCDATASection

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDomCDATASection
vfunc[0]:	QDomCDATASection::~QDomCDATASection()
vfunc[1]:	QDomCDATASection::~QDomCDATASection()
vfunc[2]:	QDomNode::insertBefore(QDomNode const&, QDomNode const&)
vfunc[3]:	QDomNode::insertAfter(QDomNode const&, QDomNode const&)
vfunc[4]:	QDomNode::replaceChild(QDomNode const&, QDomNode const&)
vfunc[5]:	QDomNode::removeChild(QDomNode const&)
vfunc[6]:	QDomNode::appendChild(QDomNode const&)
vfunc[7]:	QDomNode::hasChildNodes() const
vfunc[8]:	QDomNode::cloneNode(bool) const

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vfunc[9]:	QDomNode::normalize()
vfunc[10]:	QDomNode::isSupported(QString const&, QString const&) const
vfunc[11]:	QDomNode::nodeName() const
vfunc[12]:	QDomCDATASection::nodeType() const
vfunc[13]:	QDomNode::parentNode() const
vfunc[14]:	QDomNode::childNodes() const
vfunc[15]:	QDomNode::firstChild() const
vfunc[16]:	QDomNode::lastChild() const
vfunc[17]:	QDomNode::previousSibling() const
vfunc[18]:	QDomNode::nextSibling() const
vfunc[19]:	QDomNode::attributes() const
vfunc[20]:	QDomNode::ownerDocument() const
vfunc[21]:	QDomNode::namespaceURI() const
vfunc[22]:	QDomNode::localName() const
vfunc[23]:	QDomNode::hasAttributes() const
vfunc[24]:	QDomNode::nodeValue() const
vfunc[25]:	QDomNode::setNodeValue(QString const&)
vfunc[26]:	QDomNode::prefix() const
vfunc[27]:	QDomNode::setPrefix(QString const&)
vfunc[28]:	QDomNode::isAttr() const
vfunc[29]:	QDomCDATASection::isCDATASection() const
vfunc[30]:	QDomNode::isDocumentFragment() const
vfunc[31]:	QDomNode::isDocument() const
vfunc[32]:	QDomNode::isDocumentType() const
vfunc[33]:	QDomNode::isElement() const
vfunc[34]:	QDomNode::isEntityReference() const
vfunc[35]:	QDomText::isText() const
vfunc[36]:	QDomNode::isEntity() const
vfunc[37]:	QDomNode::isNotation() const

vfunc[38]:	QDomNode::isProcessingInstruction() const
vfunc[39]:	QDomCharacterData::isCharacterData() const
vfunc[40]:	QDomNode::isComment() const
vfunc[41]:	QDomCharacterData::substringData(unsigned long, unsigned long)
vfunc[42]:	QDomCharacterData::appendData(QString const&)
vfunc[43]:	QDomCharacterData::insertData(unsigned long, QString const&)
vfunc[44]:	QDomCharacterData::deleteData(unsigned long, unsigned long)
vfunc[45]:	QDomCharacterData::replaceData(unsigned long, unsigned long, QString const&)
vfunc[46]:	QDomCharacterData::length() const
vfunc[47]:	QDomCharacterData::data() const
vfunc[48]:	QDomCharacterData::setData(QString const&)

The Run Time Type Information for the QDomCDATASection class is described by Table 13-471

Table 13-471 typeinfo for QDomCDATASection

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDomCDATASection
basetype:	typeinfo for QDomText

13.2.1.236 Class data for QTextStream

The virtual table for the QTextStream class is described by Table 13-472

Table 13-472 Primary vtable for QTextStream

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTextStream
vfunc[0]:	QTextStream::~QTextStream()
vfunc[1]:	QTextStream::~QTextStream()

The Run Time Type Information for the QTextStream class is described by Table 13-473

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Table 13-473 typeinfo for QTextStream

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QTextStream

13.2.1.237 Class data for QCheckListItem

The virtual table for the QCheckListItem class is described by Table 13-474

Table 13-474 Primary vtable for QCheckListItem

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QCheckListItem
vfunc[0]:	QCheckListItem::~QCheckListItem()
vfunc[1]:	QCheckListItem::~QCheckListItem()
vfunc[2]:	QListViewItem::insertItem(QListViewItem*)
vfunc[3]:	QListViewItem::takeItem(QListViewItem*)
vfunc[4]:	QListViewItem::removeItem(QListViewItem*)
vfunc[5]:	QListViewItem::invalidateHeight()
vfunc[6]:	QCheckListItem::width(QFontMetrics const&, QListView const*, int) const
vfunc[7]:	QListViewItem::setText(int, QString const&)
vfunc[8]:	QCheckListItem::text(int) const
vfunc[9]:	QListViewItem::setPixmap(int, QPixmap const&)
vfunc[10]:	QListViewItem::pixmap(int) const
vfunc[11]:	QListViewItem::key(int, bool) const
vfunc[12]:	QListViewItem::compare(QListViewItem*, int, bool) const
vfunc[13]:	QListViewItem::sortChildItems(int, bool)
vfunc[14]:	QListViewItem::setOpen(bool)
vfunc[15]:	QCheckListItem::setup()
vfunc[16]:	QListViewItem::setSelected(bool)
vfunc[17]:	QCheckListItem::paintCell(QPainter*, QColorGroup const&, int, int, int)
vfunc[18]:	QListViewItem::paintBranches(QPai

	nter*, QColorGroup const&, int, int, int)
vfunc[19]:	QCheckListItem::paintFocus(QPainter*, QColorGroup const&, QRect const&)
vfunc[20]:	QListViewItem::setSelectable(bool)
vfunc[21]:	QListViewItem::setExpandable(bool)
vfunc[22]:	QListViewItem::sort()
vfunc[23]:	QListViewItem::setDragEnabled(bool)
vfunc[24]:	QListViewItem::setDropEnabled(bool)
vfunc[25]:	QListViewItem::acceptDrop(QMimeSource const*) const
vfunc[26]:	QListViewItem::setRenameEnabled(int, bool)
vfunc[27]:	QListViewItem::startRename(int)
vfunc[28]:	QListViewItem::setEnabled(bool)
vfunc[29]:	QCheckListItem::rtti() const
vfunc[30]:	QListViewItem::setMultiLinesEnabled(bool)
vfunc[31]:	QListViewItem::enforceSortOrder() const
vfunc[32]:	QListViewItem::setHeight(int)
vfunc[33]:	QCheckListItem::activate()
vfunc[34]:	QListViewItem::dropped(QDropEvent*)
vfunc[35]:	QListViewItem::dragEntered()
vfunc[36]:	QListViewItem::dragLeft()
vfunc[37]:	QListViewItem::okRename(int)
vfunc[38]:	QListViewItem::cancelRename(int)
vfunc[39]:	QCheckListItem::setOn(bool)
vfunc[40]:	QCheckListItem::stateChange(bool)

The Run Time Type Information for the QCheckListItem class is described by Table 13-475

Table 13-475 typeinfo for QCheckListItem

Base Vtable	vtable for __cxxabiv1::__si_class_type_info

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Name	typeinfo name for QCheckListItem
basetype:	typeinfo for QListViewItem

13.2.1.238 Class data for QSignalMapper

The virtual table for the QSignalMapper class is described by Table 13-476

Table 13-476 Primary vtable for QSignalMapper

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSignalMapper
vfunc[0]:	QSignalMapper::metaObject() const
vfunc[1]:	QSignalMapper::className() const
vfunc[2]:	QSignalMapper::qt_cast(char const*)
vfunc[3]:	QSignalMapper::qt_invoke(int, QUObject*)
vfunc[4]:	QSignalMapper::qt_emit(int, QUObject*)
vfunc[5]:	QSignalMapper::qt_property(int, int, QVariant*)
vfunc[6]:	QSignalMapper::~QSignalMapper()
vfunc[7]:	QSignalMapper::~QSignalMapper()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

vfunc[21]:	QSignalMapper::setMapping(QObject const*, int)
vfunc[22]:	QSignalMapper::setMapping(QObject const*, QString const&)

The Run Time Type Information for the QSignalMapper class is described by Table 13-477

Table 13-477 typeinfo for QSignalMapper

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSignalMapper
basetype:	typeinfo for QObject

13.2.1.239 Class data for QDockArea

The virtual table for the QDockArea class is described by Table 13-478

Table 13-478 Primary vtable for QDockArea

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDockArea
vfunc[0]:	QDockArea::metaObject() const
vfunc[1]:	QDockArea::className() const
vfunc[2]:	QDockArea::qt_cast(char const*)
vfunc[3]:	QDockArea::qt_invoke(int, QUObject*)
vfunc[4]:	QDockArea::qt_emit(int, QUObject*)
vfunc[5]:	QDockArea::qt_property(int, int, QVariant*)
vfunc[6]:	QDockArea::~QDockArea()
vfunc[7]:	QDockArea::~QDockArea()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QDockArea::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const

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vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)

vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QWidget::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)

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vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QWidget::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)

vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)

The Run Time Type Information for the QDockArea class is described by Table 13-479

Table 13-479 typeinfo for QDockArea

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDockArea
basetype:	typeinfo for QWidget

13.2.1.240 Class data for QCString

The virtual table for the QCString class is described by Table 13-480

Table 13-480 Primary vtable for QCString

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QCString
vfunc[0]:	QCString::~QCString()
vfunc[1]:	QCString::~QCString()
vfunc[2]:	QMemArray<char>::detach()
vfunc[3]:	QGArray::newData()

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vfunc[4]:	QGArray::deleteData(QGArray::array_data*)

The Run Time Type Information for the QCString class is described by Table 13-481

Table 13-481 typeinfo for QCString

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QCString
basetype:	typeinfo for QMemArray<char>

13.2.1.241 Class data for QStyle

The virtual table for the QStyle class is described by Table 13-482

Table 13-482 Primary vtable for QStyle

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QStyle
vfunc[0]:	QStyle::metaObject() const
vfunc[1]:	QStyle::className() const
vfunc[2]:	QStyle::qt_cast(char const*)
vfunc[3]:	QStyle::qt_invoke(int, QUObject*)
vfunc[4]:	QStyle::qt_emit(int, QUObject*)
vfunc[5]:	QStyle::qt_property(int, int, QVariant*)
vfunc[6]:	QStyle::~QStyle()
vfunc[7]:	QStyle::~QStyle()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)

vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QStyle::polish(QWidget*)
vfunc[22]:	QStyle::unPolish(QWidget*)
vfunc[23]:	QStyle::polish(QApplication*)
vfunc[24]:	QStyle::unPolish(QApplication*)
vfunc[25]:	QStyle::polish(QPalette&)
vfunc[26]:	__cxa_pure_virtual
vfunc[27]:	QStyle::itemRect(QPainter*, QRect const&, int, bool, QPixmap const*, QString const&, int) const
vfunc[28]:	QStyle::drawItem(QPainter*, QRect const&, int, QColorGroup const&, bool, QPixmap const*, QString const&, int, QColor const*) const
vfunc[29]:	__cxa_pure_virtual
vfunc[30]:	__cxa_pure_virtual
vfunc[31]:	__cxa_pure_virtual
vfunc[32]:	__cxa_pure_virtual
vfunc[33]:	__cxa_pure_virtual
vfunc[34]:	__cxa_pure_virtual
vfunc[35]:	__cxa_pure_virtual
vfunc[36]:	__cxa_pure_virtual
vfunc[37]:	__cxa_pure_virtual
vfunc[38]:	__cxa_pure_virtual
vfunc[39]:	__cxa_pure_virtual
vfunc[40]:	__cxa_pure_virtual

The Run Time Type Information for the QStyle class is described by Table 13-483

Table 13-483 typeinfo for QStyle

Base Vtable	vtable for __cxxabiv1::__si_class_type_info

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Name	typeinfo name for QStyle
basetype:	typeinfo for QObject

13.2.1.242 Class data for QXmlDTDHandler

The virtual table for the QXmlDTDHandler class is described by Table 13-484

Table 13-484 Primary vtable for QXmlDTDHandler

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QXmlDTDHandler
vfunc[0]:	__cxa_pure_virtual
vfunc[1]:	__cxa_pure_virtual
vfunc[2]:	__cxa_pure_virtual

The Run Time Type Information for the QXmlDTDHandler class is described by Table 13-485

Table 13-485 typeinfo for QXmlDTDHandler

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QXmlDTDHandler

13.2.1.243 Class data for QColorDialog

The virtual table for the QColorDialog class is described by Table 13-486

Table 13-486 Primary vtable for QColorDialog

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QColorDialog
vfunc[0]:	QColorDialog::metaObject() const
vfunc[1]:	QColorDialog::className() const
vfunc[2]:	QColorDialog::qt_cast(char const*)
vfunc[3]:	QColorDialog::qt_invoke(int, QUObject*)
vfunc[4]:	QColorDialog::qt_emit(int, QUObject*)
vfunc[5]:	QColorDialog::qt_property(int, int, QVariant*)
vfunc[6]:	QColorDialog::~QColorDialog()
vfunc[7]:	QColorDialog::~QColorDialog()
vfunc[8]:	QWidget::event(QEvent*)

vfunc[9]:	QDialog::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColo r(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixm ap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)

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vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPi xmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::F ocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QDialog::show()
vfunc[48]:	QDialog::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QDialog::move(int, int)
vfunc[54]:	QDialog::resize(int, int)
vfunc[55]:	QDialog::setGeometry(int, int, int, int)
vfunc[56]:	QDialog::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QDialog::sizeHint() const
vfunc[59]:	QDialog::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)

vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QDialog::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QDialog::resizeEvent(QResizeEvent*)
vfunc[83]:	QDialog::closeEvent(QCloseEvent*)
vfunc[84]:	QDialog::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)

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vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QDialog::done(int)
vfunc[111]:	QDialog::accept()
vfunc[112]:	QDialog::reject()

The Run Time Type Information for the QColorDialog class is described by Table 13-487

Table 13-487 typeinfo for QColorDialog

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QColorDialog
basetype:	typeinfo for QDialog

13.2.1.244 Class data for QGuardedPtrPrivate

The virtual table for the QGuardedPtrPrivate class is described by Table 13-488

Table 13-488 Primary vtable for QGuardedPtrPrivate

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QGuardedPtrPrivate
vfunc[0]:	QGuardedPtrPrivate::metaObject() const
vfunc[1]:	QGuardedPtrPrivate::className() const
vfunc[2]:	QGuardedPtrPrivate::qt_cast(char const*)
vfunc[3]:	QGuardedPtrPrivate::qt_invoke(int, QUObject*)
vfunc[4]:	QGuardedPtrPrivate::qt_emit(int, QUObject*)
vfunc[5]:	QGuardedPtrPrivate::qt_property(int , int, QVariant*)
vfunc[6]:	QGuardedPtrPrivate::~QGuardedPtr Private()
vfunc[7]:	QGuardedPtrPrivate::~QGuardedPtr Private()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

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The Run Time Type Information for the QGuardedPtrPrivate class is described by Table 13-489

Table 13-489 typeinfo for QGuardedPtrPrivate

Base Vtable	vtable for __cxxabiv1::__vmi_class_type_info	
Name	typeinfo name for QGuardedPtrPrivate	
flags:	0	
basetype:	typeinfo for QObject	2
basetype:	typeinfo for QShared	10242

13.2.1.245 Class data for QApplication

The virtual table for the QApplication class is described by Table 13-490

Table 13-490 Primary vtable for QApplication

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QApplication
vfunc[0]:	QApplication::metaObject() const
vfunc[1]:	QApplication::className() const
vfunc[2]:	QApplication::qt_cast(char const*)
vfunc[3]:	QApplication::qt_invoke(int, QUObject*)
vfunc[4]:	QApplication::qt_emit(int, QUObject*)
vfunc[5]:	QApplication::qt_property(int, int, QVariant*)
vfunc[6]:	QApplication::~QApplication()
vfunc[7]:	QApplication::~QApplication()
vfunc[8]:	QApplication::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const

vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QApplication::setMainWidget(QWidget*)
vfunc[22]:	QApplication::polish(QWidget*)
vfunc[23]:	QApplication::notify(QObject*, QEvent*)
vfunc[24]:	QApplication::x11EventFilter(_XEvent*)
vfunc[25]:	QApplication::x11ClientMessage(QWidget*, _XEvent*, bool)
vfunc[26]:	QApplication::commitData(QSessionManager&)
vfunc[27]:	QApplication::saveState(QSessionManager&)

The Run Time Type Information for the QApplication class is described by Table 13-491

Table 13-491 typeinfo for QApplication

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QApplication
basetype:	typeinfo for QObject

13.2.1.246 Class data for QListViewItem

The virtual table for the QListViewItem class is described by Table 13-492

Table 13-492 Primary vtable for QListViewItem

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QListViewItem
vfunc[0]:	QListViewItem::~QListViewItem()
vfunc[1]:	QListViewItem::~QListViewItem()

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vfunc[2]:	QListViewItem::insertItem(QListViewItem*)
vfunc[3]:	QListViewItem::takeItem(QListViewItem*)
vfunc[4]:	QListViewItem::removeItem(QListViewItem*)
vfunc[5]:	QListViewItem::invalidateHeight()
vfunc[6]:	QListViewItem::width(QFontMetrics const&, QListView const*, int) const
vfunc[7]:	QListViewItem::setText(int, QString const&)
vfunc[8]:	QListViewItem::text(int) const
vfunc[9]:	QListViewItem::setPixmap(int, QPixmap const&)
vfunc[10]:	QListViewItem::pixmap(int) const
vfunc[11]:	QListViewItem::key(int, bool) const
vfunc[12]:	QListViewItem::compare(QListViewItem*, int, bool) const
vfunc[13]:	QListViewItem::sortChildItems(int, bool)
vfunc[14]:	QListViewItem::setOpen(bool)
vfunc[15]:	QListViewItem::setup()
vfunc[16]:	QListViewItem::setSelected(bool)
vfunc[17]:	QListViewItem::paintCell(QPainter*, QColorGroup const&, int, int, int)
vfunc[18]:	QListViewItem::paintBranches(QPainter*, QColorGroup const&, int, int, int)
vfunc[19]:	QListViewItem::paintFocus(QPainter*, QColorGroup const&, QRect const&)
vfunc[20]:	QListViewItem::setSelectable(bool)
vfunc[21]:	QListViewItem::setExpandable(bool)
vfunc[22]:	QListViewItem::sort()
vfunc[23]:	QListViewItem::setDragEnabled(bool)
vfunc[24]:	QListViewItem::setDropEnabled(bool)
vfunc[25]:	QListViewItem::acceptDrop(QMimeSource const*) const

vfunc[26]:	QListViewItem::setRenameEnabled(int, bool)
vfunc[27]:	QListViewItem::startRename(int)
vfunc[28]:	QListViewItem::setEnabled(bool)
vfunc[29]:	QListViewItem::rtti() const
vfunc[30]:	QListViewItem::setMultiLinesEnabled(bool)
vfunc[31]:	QListViewItem::enforceSortOrder() const
vfunc[32]:	QListViewItem::setHeight(int)
vfunc[33]:	QListViewItem::activate()
vfunc[34]:	QListViewItem::dropped(QDropEvent*)
vfunc[35]:	QListViewItem::dragEntered()
vfunc[36]:	QListViewItem::dragLeft()
vfunc[37]:	QListViewItem::okRename(int)
vfunc[38]:	QListViewItem::cancelRename(int)

The Run Time Type Information for the QListViewItem class is described by Table 13-493

Table 13-493 typeinfo for QListViewItem

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QListViewItem
basetype:	typeinfo for Qt

13.2.1.247 Class data for QIconView

The virtual table for the QIconView class is described by Table 13-494

Table 13-494 Primary vtable for QIconView

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QIconView
vfunc[0]:	QIconView::metaObject() const
vfunc[1]:	QIconView::className() const
vfunc[2]:	QIconView::qt_cast(char const*)
vfunc[3]:	QIconView::qt_invoke(int, QUObject*)
vfunc[4]:	QIconView::qt_emit(int, QUObject*)

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vfunc[5]:	QIconView::qt_property(int, int, QVariant*)
vfunc[6]:	QIconView::~QIconView()
vfunc[7]:	QIconView::~QIconView()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QIconView::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QScrollView::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QScrollView::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QIconView::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QIconView::setFont(QFont const&)

vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QScrollView::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QScrollView::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QIconView::sizeHint() const
vfunc[59]:	QIconView::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const

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vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QScrollView::mousePressEvent(QMouseEvent*)
vfunc[70]:	QScrollView::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QScrollView::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QScrollView::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QScrollView::wheelEvent(QWheelEvent*)
vfunc[74]:	QIconView::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QIconView::focusInEvent(QFocusEvent*)
vfunc[77]:	QIconView::focusOutEvent(QFocusEvent*)
vfunc[78]:	QIconView::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QIconView::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QScrollView::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEve

	nt*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QIconView::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QIconView::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QScrollView::fontChange(QFont const&)
vfunc[101]:	QIconView::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QScrollView::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)

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vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QIconView::drawContents(QPainter*)
vfunc[117]:	QScrollView::frameChanged()
vfunc[118]:	QScrollView::setResizePolicy(QScrollView::ResizePolicy)
vfunc[119]:	QScrollView::addChild(QWidget*, int, int)
vfunc[120]:	QScrollView::moveChild(QWidget*, int, int)
vfunc[121]:	QScrollView::setVScrollBarMode(QScrollView::ScrollBarMode)
vfunc[122]:	QScrollView::setHScrollBarMode(QScrollView::ScrollBarMode)
vfunc[123]:	QScrollView::setCornerWidget(QWidget*)
vfunc[124]:	QScrollView::setDragAutoScroll(bool)
vfunc[125]:	QScrollView::resizeContents(int, int)
vfunc[126]:	QIconView::setContentsPos(int, int)
vfunc[127]:	QIconView::drawContents(QPainter*, int, int, int, int)
vfunc[128]:	QScrollView::drawContentsOffset(QPainter*, int, int, int, int, int, int)
vfunc[129]:	QIconView::contentsMousePressEvent(QMouseEvent*)
vfunc[130]:	QIconView::contentsMouseReleaseEvent(QMouseEvent*)
vfunc[131]:	QIconView::contentsMouseDoubleClickEvent(QMouseEvent*)
vfunc[132]:	QIconView::contentsMouseMoveEvent(QMouseEvent*)
vfunc[133]:	QIconView::contentsDragEnterEvent(QDragEnterEvent*)
vfunc[134]:	QIconView::contentsDragMoveEvent(QDragMoveEvent*)
vfunc[135]:	QIconView::contentsDragLeaveEvent(QDragLeaveEvent*)
vfunc[136]:	QIconView::contentsDropEvent(QDr

	opEvent*)
vfunc[137]:	QScrollView::contentsWheelEvent(QWheelEvent*)
vfunc[138]:	QIconView::contentsContextMenuEvent(QContextMenuEvent*)
vfunc[139]:	QScrollView::viewportPaintEvent(QPaintEvent*)
vfunc[140]:	QScrollView::viewportResizeEvent(QResizeEvent*)
vfunc[141]:	QScrollView::viewportMousePressEvent(QMouseEvent*)
vfunc[142]:	QScrollView::viewportMouseReleaseEvent(QMouseEvent*)
vfunc[143]:	QScrollView::viewportMouseDoubleClickEvent(QMouseEvent*)
vfunc[144]:	QScrollView::viewportMouseMoveEvent(QMouseEvent*)
vfunc[145]:	QScrollView::viewportDragEnterEvent(QDragEnterEvent*)
vfunc[146]:	QScrollView::viewportDragMoveEvent(QDragMoveEvent*)
vfunc[147]:	QScrollView::viewportDragLeaveEvent(QDragLeaveEvent*)
vfunc[148]:	QScrollView::viewportDropEvent(QDropEvent*)
vfunc[149]:	QScrollView::viewportWheelEvent(QWheelEvent*)
vfunc[150]:	QScrollView::viewportContextMenuEvent(QContextMenuEvent*)
vfunc[151]:	QScrollView::setMargins(int, int, int, int)
vfunc[152]:	QScrollView::setHBarGeometry(QScrollBar&, int, int, int, int)
vfunc[153]:	QScrollView::setVBarGeometry(QScrollBar&, int, int, int, int)
vfunc[154]:	QIconView::insertItem(QIconViewItem*, QIconViewItem*)
vfunc[155]:	QIconView::takeItem(QIconViewItem*)
vfunc[156]:	QIconView::setCurrentItem(QIconViewItem*)
vfunc[157]:	QIconView::setSelected(QIconViewIt

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	em*, bool, bool)
vfunc[158]:	QIconView::setSelectionMode(QIconView::SelectionMode)
vfunc[159]:	QIconView::selectAll(bool)
vfunc[160]:	QIconView::clearSelection()
vfunc[161]:	QIconView::invertSelection()
vfunc[162]:	QIconView::repaintItem(QIconViewItem*)
vfunc[163]:	QIconView::clear()
vfunc[164]:	QIconView::setGridX(int)
vfunc[165]:	QIconView::setGridY(int)
vfunc[166]:	QIconView::setSpacing(int)
vfunc[167]:	QIconView::setItemTextPos(QIconView::ItemTextPos)
vfunc[168]:	QIconView::setItemTextBackground(QBrush const&)
vfunc[169]:	QIconView::setArrangement(QIconView::Arrangement)
vfunc[170]:	QIconView::setResizeMode(QIconView::ResizeMode)
vfunc[171]:	QIconView::setMaxItemWidth(int)
vfunc[172]:	QIconView::setMaxItemTextLength(int)
vfunc[173]:	QIconView::setAutoArrange(bool)
vfunc[174]:	QIconView::setShowToolTips(bool)
vfunc[175]:	QIconView::setItemsMovable(bool)
vfunc[176]:	QIconView::setWordWrapIconText(bool)
vfunc[177]:	QIconView::sort(bool)
vfunc[178]:	QIconView::arrangeItemsInGrid(QSize const&, bool)
vfunc[179]:	QIconView::arrangeItemsInGrid(bool)
vfunc[180]:	QIconView::updateContents()
vfunc[181]:	QIconView::doAutoScroll()
vfunc[182]:	QIconView::adjustItems()
vfunc[183]:	QIconView::slotUpdate()
vfunc[184]:	QIconView::drawRubber(QPainter*)

vfunc[185]:	QIconView::dragObject()
vfunc[186]:	QIconView::startDrag()
vfunc[187]:	QIconView::insertInGrid(QIconView Item*)
vfunc[188]:	QIconView::drawBackground(QPainter*, QRect const&)
vfunc[189]:	QIconView::drawDragShapes(QPoint const&)
vfunc[190]:	QIconView::initDragEnter(QDropEvent*)

The Run Time Type Information for the QIconView class is described by Table 13-495

Table 13-495 typeinfo for QIconView

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QIconView
basetype:	typeinfo for QScrollView

13.2.1.248 Class data for QComboTableItem

The virtual table for the QComboTableItem class is described by Table 13-496

Table 13-496 Primary vtable for QComboTableItem

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QComboTableItem
vfunc[0]:	QComboTableItem::~QComboTableItem()
vfunc[1]:	QComboTableItem::~QComboTableItem()
vfunc[2]:	QTableItem::pixmap() const
vfunc[3]:	QTableItem::text() const
vfunc[4]:	QTableItem::setPixmap(QPixmap const&)
vfunc[5]:	QTableItem::setText(QString const&)
vfunc[6]:	QTableItem::alignment() const
vfunc[7]:	QTableItem::setWordWrap(bool)
vfunc[8]:	QComboTableItem::createEditor() const
vfunc[9]:	QComboTableItem::setContentFrom

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	Editor(QWidget*)
vfunc[10]:	QTableItem::setReplaceable(bool)
vfunc[11]:	QTableItem::key() const
vfunc[12]:	QComboTableItem::sizeHint() const
vfunc[13]:	QTableItem::setSpan(int, int)
vfunc[14]:	QTableItem::setRow(int)
vfunc[15]:	QTableItem::setCol(int)
vfunc[16]:	QComboTableItem::paint(QPainter*, QColorGroup const&, QRect const&, bool)
vfunc[17]:	QTableItem::setEnabled(bool)
vfunc[18]:	QComboTableItem::rtti() const
vfunc[19]:	QComboTableItem::setCurrentItem(int)
vfunc[20]:	QComboTableItem::setCurrentItem(QString const&)
vfunc[21]:	QComboTableItem::setEditable(bool)
vfunc[22]:	QComboTableItem::setStringList(QStringList const&)

The Run Time Type Information for the QComboTableItem class is described by Table 13-497

Table 13-497 typeinfo for QComboTableItem

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QComboTableItem
basetype:	typeinfo for QTableItem

13.2.1.249 Class data for QWidget

The virtual table for the QWidget class is described by Table 13-498

Table 13-498 Primary vtable for QWidget

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QWidget
vfunc[0]:	QWidget::metaObject() const
vfunc[1]:	QWidget::className() const
vfunc[2]:	QWidget::qt_cast(char const*)

vfunc[3]:	QWidget::qt_invoke(int, QUObject*)
vfunc[4]:	QWidget::qt_emit(int, QUObject*)
vfunc[5]:	QWidget::qt_property(int, int, QVariant*)
vfunc[6]:	QWidget::~QWidget()
vfunc[7]:	QWidget::~QWidget()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColo r(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixm

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	ap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPi xmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::F ocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QWidget::sizeHint() const

vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QWidget::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)

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vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)

The Run Time Type Information for the QWidget class is described by Table 13-499

Table 13-499 typeinfo for QWidget

Base Vtable	vtable for __cxxabiv1::__vmi_class_type_info	
Name	typeinfo name for QWidget	
flags:	0	
basetype:	typeinfo for QObject	2
basetype:	typeinfo for QPaintDevice	10242

13.2.1.250 Class data for QDns

The virtual table for the QDns class is described by Table 13-500

Table 13-500 Primary vtable for QDns

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDns
vfunc[0]:	QDns::metaObject() const
vfunc[1]:	QDns::className() const
vfunc[2]:	QDns::qt_cast(char const*)
vfunc[3]:	QDns::qt_invoke(int, QUObject*)
vfunc[4]:	QDns::qt_emit(int, QUObject*)
vfunc[5]:	QDns::qt_property(int, int, QVariant*)
vfunc[6]:	QDns::~QDns()
vfunc[7]:	QDns::~QDns()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)

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vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QDns::setLabel(QString const&)
vfunc[22]:	QDns::setLabel(QHostAddress const&)
vfunc[23]:	QDns::setRecordType(QDns::RecordType)

The Run Time Type Information for the QDns class is described by Table 13-501

Table 13-501 typeinfo for QDns

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDns
basetype:	typeinfo for QObject

13.2.1.251 Class data for QIODeviceSource

The virtual table for the QIODeviceSource class is described by Table 13-502

Table 13-502 Primary vtable for QIODeviceSource

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QIODeviceSource
vfunc[0]:	QIODeviceSource::~QIODeviceSource()
vfunc[1]:	QIODeviceSource::~QIODeviceSource()
vfunc[2]:	QIODeviceSource::readyToSend()
vfunc[3]:	QIODeviceSource::sendTo(QDataSink*, int)
vfunc[4]:	QIODeviceSource::rewindable() const
vfunc[5]:	QIODeviceSource::enableRewind(bool)
vfunc[6]:	QIODeviceSource::rewind()

The Run Time Type Information for the QIODeviceSource class is described by Table 13-503

Table 13-503 typeinfo for QIODeviceSource

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QIODeviceSource
basetype:	typeinfo for QDataSource

13.2.1.252 Class data for QCanvasText

The virtual table for the QCanvasText class is described by Table 13-504

Table 13-504 Primary vtable for QCanvasText

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QCanvasText
vfunc[0]:	QCanvasText::~QCanvasText()
vfunc[1]:	QCanvasText::~QCanvasText()
vfunc[2]:	QCanvasText::moveBy(double, double)
vfunc[3]:	QCanvasItem::setAnimated(bool)
vfunc[4]:	QCanvasItem::setVelocity(double, double)
vfunc[5]:	QCanvasItem::advance(int)
vfunc[6]:	QCanvasText::collidesWith(QCanvas Item const*) const
vfunc[7]:	QCanvasItem::setCanvas(QCanvas*)
vfunc[8]:	QCanvasText::draw(QPainter&)
vfunc[9]:	QCanvasItem::setVisible(bool)
vfunc[10]:	QCanvasItem::setSelected(bool)
vfunc[11]:	QCanvasItem::setEnabled(bool)
vfunc[12]:	QCanvasItem::setActive(bool)
vfunc[13]:	QCanvasText::rtti() const
vfunc[14]:	QCanvasText::boundingRect() const
vfunc[15]:	QCanvasItem::boundingRectAdvanc ed() const
vfunc[16]:	QCanvasItem::chunks() const
vfunc[17]:	QCanvasText::addToChunks()
vfunc[18]:	QCanvasText::removeFromChunks()

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vfunc[19]:	QCanvasText::changeChunks()
vfunc[20]:	QCanvasText::collidesWith(QCanvas Sprite const*, QCanvasPolygonalItem const*, QCanvasRectangle const*, QCanvasEllipse const*, QCanvasText const*) const

The Run Time Type Information for the QCanvasText class is described by Table 13-505

Table 13-505 typeinfo for QCanvasText

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QCanvasText
basetype:	typeinfo for QCanvasItem

13.2.1.253 Class data for QXmlInputSource

The virtual table for the QXmlInputSource class is described by Table 13-506

Table 13-506 Primary vtable for QXmlInputSource

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QXmlInputSource
vfunc[0]:	QXmlInputSource::~QXmlInputSour ce()
vfunc[1]:	QXmlInputSource::~QXmlInputSour ce()
vfunc[2]:	QXmlInputSource::setData(QString const&)
vfunc[3]:	QXmlInputSource::setData(QMemAr ray<char> const&)
vfunc[4]:	QXmlInputSource::fetchData()
vfunc[5]:	QXmlInputSource::data()
vfunc[6]:	QXmlInputSource::next()
vfunc[7]:	QXmlInputSource::reset()
vfunc[8]:	QXmlInputSource::fromRawData(Q MemArray<char> const&, bool)

The Run Time Type Information for the QXmlInputSource class is described by Table 13-507

Table 13-507 typeinfo for QXmlInputSource

Base Vtable	vtable for

	__cxxabiv1::__class_type_info
Name	typeinfo name for QXmlInputSource

13.2.1.254 Class data for QDoubleValidator

The virtual table for the QDoubleValidator class is described by Table 13-508

Table 13-508 Primary vtable for QDoubleValidator

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDoubleValidator
vfunc[0]:	QDoubleValidator::metaObject() const
vfunc[1]:	QDoubleValidator::className() const
vfunc[2]:	QDoubleValidator::qt_cast(char const*)
vfunc[3]:	QDoubleValidator::qt_invoke(int, QUObject*)
vfunc[4]:	QDoubleValidator::qt_emit(int, QUObject*)
vfunc[5]:	QDoubleValidator::qt_property(int, int, QVariant*)
vfunc[6]:	QDoubleValidator::~QDoubleValidator()
vfunc[7]:	QDoubleValidator::~QDoubleValidator()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)

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vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QDoubleValidator::validate(QString &, int&) const
vfunc[22]:	QValidator::fixup(QString&) const
vfunc[23]:	QDoubleValidator::setRange(double, double, int)

The Run Time Type Information for the QDoubleValidator class is described by Table 13-509

Table 13-509 typeinfo for QDoubleValidator

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDoubleValidator
basetype:	typeinfo for QValidator

13.2.1.255 Class data for QIODevice

The virtual table for the QIODevice class is described by Table 13-510

Table 13-510 Primary vtable for QIODevice

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QIODevice
vfunc[0]:	QIODevice::~QIODevice()
vfunc[1]:	QIODevice::~QIODevice()
vfunc[2]:	__cxa_pure_virtual
vfunc[3]:	__cxa_pure_virtual
vfunc[4]:	__cxa_pure_virtual
vfunc[5]:	__cxa_pure_virtual
vfunc[6]:	QIODevice::at() const
vfunc[7]:	QIODevice::at(unsigned long)
vfunc[8]:	QIODevice::atEnd() const
vfunc[9]:	__cxa_pure_virtual
vfunc[10]:	__cxa_pure_virtual
vfunc[11]:	QIODevice::readLine(char*, unsigned long)
vfunc[12]:	QIODevice::readAll()

vfunc[13]:	__cxa_pure_virtual
vfunc[14]:	__cxa_pure_virtual
vfunc[15]:	__cxa_pure_virtual

The Run Time Type Information for the QIODevice class is described by Table 13-511

Table 13-511 typeinfo for QIODevice

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QIODevice

13.2.1.256 Class data for QInputDialog

The virtual table for the QInputDialog class is described by Table 13-512

Table 13-512 Primary vtable for QInputDialog

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QInputDialog
vfunc[0]:	QInputDialog::metaObject() const
vfunc[1]:	QInputDialog::className() const
vfunc[2]:	QInputDialog::qt_cast(char const*)
vfunc[3]:	QInputDialog::qt_invoke(int, QUObject*)
vfunc[4]:	QInputDialog::qt_emit(int, QUObject*)
vfunc[5]:	QInputDialog::qt_property(int, int, QVariant*)
vfunc[6]:	QInputDialog::~QInputDialog()
vfunc[7]:	QInputDialog::~QInputDialog()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QDialog::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)

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vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)

vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QDialog::show()
vfunc[48]:	QDialog::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QDialog::move(int, int)
vfunc[54]:	QDialog::resize(int, int)
vfunc[55]:	QDialog::setGeometry(int, int, int, int)
vfunc[56]:	QDialog::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QDialog::sizeHint() const
vfunc[59]:	QDialog::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)

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vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QDialog::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QDialog::resizeEvent(QResizeEvent*)
vfunc[83]:	QDialog::closeEvent(QCloseEvent*)
vfunc[84]:	QDialog::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)

vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QDialog::done(int)
vfunc[111]:	QDialog::accept()
vfunc[112]:	QDialog::reject()

The Run Time Type Information for the QInputDialog class is described by Table 13-513

Table 13-513 typeinfo for QInputDialog

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QInputDialog
basetype:	typeinfo for QDialog

13.2.1.257 Class data for QGDict

The virtual table for the QGDict class is described by Table 13-514

Table 13-514 Primary vtable for QGDict

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QGDict
vfunc[0]:	QGDict::count() const
vfunc[1]:	QGDict::clear()
vfunc[2]:	QGDict::~QGDict()
vfunc[3]:	QGDict::~QGDict()

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vfunc[4]:	QPtrCollection::newItem(void*)
vfunc[5]:	__cxa_pure_virtual
vfunc[6]:	QGDict::read(QDataStream&, void*&)
vfunc[7]:	QGDict::write(QDataStream&, void*) const

The Run Time Type Information for the QGDict class is described by Table 13-515

Table 13-515 typeinfo for QGDict

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QGDict
basetype:	typeinfo for QPtrCollection

13.2.1.258 Class data for QXmlErrorHandler

The virtual table for the QXmlErrorHandler class is described by Table 13-516

Table 13-516 Primary vtable for QXmlErrorHandler

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QXmlErrorHandler
vfunc[0]:	__cxa_pure_virtual
vfunc[1]:	__cxa_pure_virtual
vfunc[2]:	__cxa_pure_virtual
vfunc[3]:	__cxa_pure_virtual

The Run Time Type Information for the QXmlErrorHandler class is described by Table 13-517

Table 13-517 typeinfo for QXmlErrorHandler

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QXmlErrorHandler

13.2.1.259 Class data for QWorkspace

The virtual table for the QWorkspace class is described by Table 13-518

Table 13-518 Primary vtable for QWorkspace

Base Offset	0
Virtual Base Offset	0

RTTI	typeinfo for QWorkspace
vfunc[0]:	QWorkspace::metaObject() const
vfunc[1]:	QWorkspace::className() const
vfunc[2]:	QWorkspace::qt_cast(char const*)
vfunc[3]:	QWorkspace::qt_invoke(int, QUObject*)
vfunc[4]:	QWorkspace::qt_emit(int, QUObject*)
vfunc[5]:	QWorkspace::qt_property(int, int, QVariant*)
vfunc[6]:	QWorkspace::~QWorkspace()
vfunc[7]:	QWorkspace::~QWorkspace()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QWorkspace::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QWorkspace::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor

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	const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWorkspace::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWorkspace::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)

vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QWorkspace::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWorkspace::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)

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vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QWorkspace::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWorkspace::showEvent(QShowEvent*)
vfunc[94]:	QWorkspace::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWorkspace::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)

vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)

The Run Time Type Information for the QWorkspace class is described by Table 13-519

Table 13-519 typeinfo for QWorkspace

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QWorkspace
basetype:	typeinfo for QWidget

13.2.1.260 Class data for QTabDialog

The virtual table for the QTabDialog class is described by Table 13-520

Table 13-520 Primary vtable for QTabDialog

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTabDialog
vfunc[0]:	QTabDialog::metaObject() const
vfunc[1]:	QTabDialog::className() const
vfunc[2]:	QTabDialog::qt_cast(char const*)
vfunc[3]:	QTabDialog::qt_invoke(int, QUObject*)
vfunc[4]:	QTabDialog::qt_emit(int, QUObject*)
vfunc[5]:	QTabDialog::qt_property(int, int, QVariant*)
vfunc[6]:	QTabDialog::~QTabDialog()
vfunc[7]:	QTabDialog::~QTabDialog()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QDialog::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)

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vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QTabDialog::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)

vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QTabDialog::show()
vfunc[48]:	QDialog::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QDialog::move(int, int)
vfunc[54]:	QDialog::resize(int, int)
vfunc[55]:	QDialog::setGeometry(int, int, int, int)
vfunc[56]:	QDialog::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QDialog::sizeHint() const
vfunc[59]:	QDialog::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)

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vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QDialog::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QTabDialog::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QTabDialog::resizeEvent(QResizeEvent*)
vfunc[83]:	QDialog::closeEvent(QCloseEvent*)
vfunc[84]:	QDialog::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()

vfunc[97]:	QTabDialog::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QDialog::done(int)
vfunc[111]:	QDialog::accept()
vfunc[112]:	QDialog::reject()

The Run Time Type Information for the QTabDialog class is described by Table 13-521

Table 13-521 typeinfo for QTabDialog

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QTabDialog
basetype:	typeinfo for QDialog

13.2.1.261 Class data for QHttpRequestHeader

The virtual table for the QHttpRequestHeader class is described by Table 13-522

Table 13-522 Primary vtable for QHttpRequestHeader

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QHttpRequestHeader
vfunc[0]:	QHttpRequestHeader::~QHttpRequestHeader()
vfunc[1]:	QHttpRequestHeader::~QHttpReque

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	stHeader()
vfunc[2]:	QHttpRequestHeader::toString() const
vfunc[3]:	QHttpRequestHeader::majorVersion() const
vfunc[4]:	QHttpRequestHeader::minorVersion() const
vfunc[5]:	QHttpRequestHeader::parseLine(QString const&, int)

The Run Time Type Information for the QHttpRequestHeader class is described by Table 13-523

Table 13-523 typeinfo for QHttpRequestHeader

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QHttpRequestHeader
basetype:	typeinfo for QHttpHeader

13.2.1.262 Class data for QDragObject

The virtual table for the QDragObject class is described by Table 13-524

Table 13-524 Primary vtable for QDragObject

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDragObject
vfunc[0]:	QDragObject::metaObject() const
vfunc[1]:	QDragObject::className() const
vfunc[2]:	QDragObject::qt_cast(char const*)
vfunc[3]:	QDragObject::qt_invoke(int, QUObject*)
vfunc[4]:	QDragObject::qt_emit(int, QUObject*)
vfunc[5]:	QDragObject::qt_property(int, int, QVariant*)
vfunc[6]:	QDragObject::~QDragObject()
vfunc[7]:	QDragObject::~QDragObject()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)

vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QDragObject::setPixmap(QPixmap)
vfunc[22]:	QDragObject::setPixmap(QPixmap, QPoint const&)
vfunc[23]:	QDragObject::drag(QDragObject::Dr agMode)

The Run Time Type Information for the QDragObject class is described by Table 13-525

Table 13-525 typeinfo for QDragObject

Base Vtable	vtable for __cxxabiv1::__vmi_class _type_info	
Name	typeinfo name for QDragObject	
flags:	0	
basetype:	typeinfo for QObject	2
basetype:	typeinfo for QMimeSource	10242

13.2.1.263 Class data for QToolTipGroup

The virtual table for the QToolTipGroup class is described by Table 13-526

Table 13-526 Primary vtable for QToolTipGroup

Base Offset	0
Virtual Base Offset	0

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RTTI	typeinfo for QToolTipGroup
vfunc[0]:	QToolTipGroup::metaObject() const
vfunc[1]:	QToolTipGroup::className() const
vfunc[2]:	QToolTipGroup::qt_cast(char const*)
vfunc[3]:	QToolTipGroup::qt_invoke(int, QUObject*)
vfunc[4]:	QToolTipGroup::qt_emit(int, QUObject*)
vfunc[5]:	QToolTipGroup::qt_property(int, int, QVariant*)
vfunc[6]:	QToolTipGroup::~QToolTipGroup()
vfunc[7]:	QToolTipGroup::~QToolTipGroup()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

The Run Time Type Information for the QToolTipGroup class is described by Table 13-527

Table 13-527 typeinfo for QToolTipGroup

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QToolTipGroup
basetype:	typeinfo for QObject

13.2.1.264 Class data for QDateTimeEditBase

The virtual table for the QDateTimeEditBase class is described by Table 13-528

Table 13-528 Primary vtable for QDateTimeEditBase

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDateTimeEditBase
vfunc[0]:	QDateTimeEditBase::metaObject() const
vfunc[1]:	QDateTimeEditBase::className() const
vfunc[2]:	QDateTimeEditBase::qt_cast(char const*)
vfunc[3]:	QDateTimeEditBase::qt_invoke(int, QUObject*)
vfunc[4]:	QDateTimeEditBase::qt_emit(int, QUObject*)
vfunc[5]:	QDateTimeEditBase::qt_property(int, int, QVariant*)
vfunc[6]:	QDateTimeEditBase::~QDateTimeEditBase()
vfunc[7]:	QDateTimeEditBase::~QDateTimeEditBase()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char

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	const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()

vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QWidget::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEve

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	nt*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent *)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QWidget::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const

vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	__cxa_pure_virtual
vfunc[111]:	__cxa_pure_virtual
vfunc[112]:	__cxa_pure_virtual
vfunc[113]:	__cxa_pure_virtual
vfunc[114]:	__cxa_pure_virtual
vfunc[115]:	__cxa_pure_virtual

The Run Time Type Information for the QDateTimeEditBase class is described by Table 13-529

Table 13-529 typeinfo for QDateTimeEditBase

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDateTimeEditBase
basetype:	typeinfo for QWidget

13.2.1.265 Class data for QHttpHeader

The virtual table for the QHttpHeader class is described by Table 13-530

Table 13-530 Primary vtable for QHttpHeader

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QHttpHeader
vfunc[0]:	QHttpHeader::~QHttpHeader()
vfunc[1]:	QHttpHeader::~QHttpHeader()
vfunc[2]:	QHttpHeader::toString() const
vfunc[3]:	__cxa_pure_virtual
vfunc[4]:	__cxa_pure_virtual
vfunc[5]:	QHttpHeader::parseLine(QString

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	const&, int)

The Run Time Type Information for the QHttpHeader class is described by Table 13-531

Table 13-531 typeinfo for QHttpHeader

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QHttpHeader

13.2.1.266 Class data for QShowEvent

The virtual table for the QShowEvent class is described by Table 13-532

Table 13-532 Primary vtable for QShowEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QShowEvent
vfunc[0]:	QShowEvent::~QShowEvent()
vfunc[1]:	QShowEvent::~QShowEvent()

The Run Time Type Information for the QShowEvent class is described by Table 13-533

Table 13-533 typeinfo for QShowEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QShowEvent
basetype:	typeinfo for QEvent

13.2.1.267 Class data for QTable

The virtual table for the QTable class is described by Table 13-534

Table 13-534 Primary vtable for QTable

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTable
vfunc[0]:	QTable::metaObject() const
vfunc[1]:	QTable::className() const
vfunc[2]:	QTable::qt_cast(char const*)
vfunc[3]:	QTable::qt_invoke(int, QUObject*)
vfunc[4]:	QTable::qt_emit(int, QUObject*)
vfunc[5]:	QTable::qt_property(int, int,

	QVariant*)
vfunc[6]:	QTable::~QTable()
vfunc[7]:	QTable::~QTable()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QTable::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QScrollView::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QTable::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColo r(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixm ap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)

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vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPi xmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::F ocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QScrollView::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QScrollView::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QTable::sizeHint() const
vfunc[59]:	QScrollView::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)

vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QScrollView::mousePressEvent(QMouseEvent*)
vfunc[70]:	QScrollView::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QScrollView::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QScrollView::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QScrollView::wheelEvent(QWheelEvent*)
vfunc[74]:	QTable::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QTable::focusInEvent(QFocusEvent*)
vfunc[77]:	QTable::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QTable::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QScrollView::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QScrollView::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*

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	)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QTable::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QScrollView::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QScrollView::fontChange(QFont const&)
vfunc[101]:	QTable::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QScrollView::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)

vfunc[116]:	QTable::drawContents(QPainter*)
vfunc[117]:	QScrollView::frameChanged()
vfunc[118]:	QScrollView::setResizePolicy(QScroll View::ResizePolicy)
vfunc[119]:	QScrollView::addChild(QWidget*, int, int)
vfunc[120]:	QScrollView::moveChild(QWidget*, int, int)
vfunc[121]:	QScrollView::setVScrollBarMode(QS crollView::ScrollBarMode)
vfunc[122]:	QScrollView::setHScrollBarMode(QS crollView::ScrollBarMode)
vfunc[123]:	QScrollView::setCornerWidget(QWi dget*)
vfunc[124]:	QScrollView::setDragAutoScroll(bool)
vfunc[125]:	QScrollView::resizeContents(int, int)
vfunc[126]:	QScrollView::setContentsPos(int, int)
vfunc[127]:	QTable::drawContents(QPainter*, int, int, int, int)
vfunc[128]:	QScrollView::drawContentsOffset(Q Painter*, int, int, int, int, int, int)
vfunc[129]:	QTable::contentsMousePressEvent(Q MouseEvent*)
vfunc[130]:	QTable::contentsMouseReleaseEvent(QMouseEvent*)
vfunc[131]:	QTable::contentsMouseDoubleClickE vent(QMouseEvent*)
vfunc[132]:	QTable::contentsMouseMoveEvent(Q MouseEvent*)
vfunc[133]:	QTable::contentsDragEnterEvent(QD ragEnterEvent*)
vfunc[134]:	QTable::contentsDragMoveEvent(QD ragMoveEvent*)
vfunc[135]:	QTable::contentsDragLeaveEvent(Q DragLeaveEvent*)
vfunc[136]:	QTable::contentsDropEvent(QDropE vent*)
vfunc[137]:	QScrollView::contentsWheelEvent(Q WheelEvent*)
vfunc[138]:	QTable::contentsContextMenuEvent(

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	QContextMenuEvent*)
vfunc[139]:	QScrollView::viewportPaintEvent(QPaintEvent*)
vfunc[140]:	QTable::viewportResizeEvent(QResizeEvent*)
vfunc[141]:	QScrollView::viewportMousePressEvent(QMouseEvent*)
vfunc[142]:	QScrollView::viewportMouseReleaseEvent(QMouseEvent*)
vfunc[143]:	QScrollView::viewportMouseDoubleClickEvent(QMouseEvent*)
vfunc[144]:	QScrollView::viewportMouseMoveEvent(QMouseEvent*)
vfunc[145]:	QScrollView::viewportDragEnterEvent(QDragEnterEvent*)
vfunc[146]:	QScrollView::viewportDragMoveEvent(QDragMoveEvent*)
vfunc[147]:	QScrollView::viewportDragLeaveEvent(QDragLeaveEvent*)
vfunc[148]:	QScrollView::viewportDropEvent(QDropEvent*)
vfunc[149]:	QScrollView::viewportWheelEvent(QWheelEvent*)
vfunc[150]:	QScrollView::viewportContextMenuEvent(QContextMenuEvent*)
vfunc[151]:	QScrollView::setMargins(int, int, int, int)
vfunc[152]:	QScrollView::setHBarGeometry(QScrollBar&, int, int, int, int)
vfunc[153]:	QScrollView::setVBarGeometry(QScrollBar&, int, int, int, int)
vfunc[154]:	QTable::setSelectionMode(QTable::SelectionMode)
vfunc[155]:	QTable::setItem(int, int, QTableItem*)
vfunc[156]:	QTable::setText(int, int, QString const&)
vfunc[157]:	QTable::setPixmap(int, int, QPixmap const&)
vfunc[158]:	QTable::item(int, int) const
vfunc[159]:	QTable::text(int, int) const

vfunc[160]:	QTable::pixmap(int, int) const
vfunc[161]:	QTable::clearCell(int, int)
vfunc[162]:	QTable::cellGeometry(int, int) const
vfunc[163]:	QTable::columnWidth(int) const
vfunc[164]:	QTable::rowHeight(int) const
vfunc[165]:	QTable::columnPos(int) const
vfunc[166]:	QTable::rowPos(int) const
vfunc[167]:	QTable::columnAt(int) const
vfunc[168]:	QTable::rowAt(int) const
vfunc[169]:	QTable::numRows() const
vfunc[170]:	QTable::numCols() const
vfunc[171]:	QTable::addSelection(QTableSelectio n const&)
vfunc[172]:	QTable::removeSelection(QTableSele ction const&)
vfunc[173]:	QTable::removeSelection(int)
vfunc[174]:	QTable::currentSelection() const
vfunc[175]:	QTable::sortColumn(int, bool, bool)
vfunc[176]:	QTable::takeItem(QTableItem*)
vfunc[177]:	QTable::setCellWidget(int, int, QWidget*)
vfunc[178]:	QTable::cellWidget(int, int) const
vfunc[179]:	QTable::clearCellWidget(int, int)
vfunc[180]:	QTable::cellRect(int, int) const
vfunc[181]:	QTable::paintCell(QPainter*, int, int, QRect const&, bool)
vfunc[182]:	QTable::paintCell(QPainter*, int, int, QRect const&, bool, QColorGroup const&)
vfunc[183]:	QTable::paintFocus(QPainter*, QRect const&)
vfunc[184]:	QTable::setFocusStyle(QTable::Focus Style)
vfunc[185]:	QTable::setNumRows(int)
vfunc[186]:	QTable::setNumCols(int)
vfunc[187]:	QTable::setShowGrid(bool)
vfunc[188]:	QTable::hideRow(int)

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vfunc[189]:	QTable::hideColumn(int)
vfunc[190]:	QTable::showRow(int)
vfunc[191]:	QTable::showColumn(int)
vfunc[192]:	QTable::setColumnWidth(int, int)
vfunc[193]:	QTable::setRowHeight(int, int)
vfunc[194]:	QTable::adjustColumn(int)
vfunc[195]:	QTable::adjustRow(int)
vfunc[196]:	QTable::setColumnStretchable(int, bool)
vfunc[197]:	QTable::setRowStretchable(int, bool)
vfunc[198]:	QTable::setSorting(bool)
vfunc[199]:	QTable::swapRows(int, int, bool)
vfunc[200]:	QTable::swapColumns(int, int, bool)
vfunc[201]:	QTable::swapCells(int, int, int, int)
vfunc[202]:	QTable::setLeftMargin(int)
vfunc[203]:	QTable::setTopMargin(int)
vfunc[204]:	QTable::setCurrentCell(int, int)
vfunc[205]:	QTable::setColumnMovingEnabled(bool)
vfunc[206]:	QTable::setRowMovingEnabled(bool)
vfunc[207]:	QTable::setReadOnly(bool)
vfunc[208]:	QTable::setRowReadOnly(int, bool)
vfunc[209]:	QTable::setColumnReadOnly(int, bool)
vfunc[210]:	QTable::setDragEnabled(bool)
vfunc[211]:	QTable::insertRows(int, int)
vfunc[212]:	QTable::insertColumns(int, int)
vfunc[213]:	QTable::removeRow(int)
vfunc[214]:	QTable::removeRows(QMemArray<int> const&)
vfunc[215]:	QTable::removeColumn(int)
vfunc[216]:	QTable::removeColumns(QMemArray<int> const&)
vfunc[217]:	QTable::editCell(int, int, bool)
vfunc[218]:	QTable::dragObject()
vfunc[219]:	QTable::startDrag()

vfunc[220]:	QTable::paintEmptyArea(QPainter*, int, int, int, int)
vfunc[221]:	QTable::activateNextCell()
vfunc[222]:	QTable::createEditor(int, int, bool) const
vfunc[223]:	QTable::setCellContentFromEditor(int, int)
vfunc[224]:	QTable::beginEdit(int, int, bool)
vfunc[225]:	QTable::endEdit(int, int, bool, bool)
vfunc[226]:	QTable::resizeData(int)
vfunc[227]:	QTable::insertWidget(int, int, QWidget*)
vfunc[228]:	QTable::columnWidthChanged(int)
vfunc[229]:	QTable::rowHeightChanged(int)
vfunc[230]:	QTable::columnIndexChanged(int, int, int)
vfunc[231]:	QTable::rowIndexChanged(int, int, int)
vfunc[232]:	QTable::columnClicked(int)

The Run Time Type Information for the QTable class is described by Table 13-535

Table 13-535 typeinfo for QTable

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QTable
basetype:	typeinfo for QScrollView

13.2.1.268 Class data for QLocalFs

The virtual table for the QLocalFs class is described by Table 13-536

Table 13-536 Primary vtable for QLocalFs

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QLocalFs
vfunc[0]:	QLocalFs::metaObject() const
vfunc[1]:	QLocalFs::className() const
vfunc[2]:	QLocalFs::qt_cast(char const*)
vfunc[3]:	QLocalFs::qt_invoke(int, QUObject*)

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vfunc[4]:	QLocalFs::qt_emit(int, QUObject*)
vfunc[5]:	QLocalFs::qt_property(int, int, QVariant*)
vfunc[6]:	QLocalFs::~QLocalFs()
vfunc[7]:	QLocalFs::~QLocalFs()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QNetworkProtocol::setUrl(QUrlOperator*)
vfunc[22]:	QNetworkProtocol::setAutoDelete(bool, int)
vfunc[23]:	QLocalFs::supportedOperations() const
vfunc[24]:	QNetworkProtocol::addOperation(QNetworkOperation*)
vfunc[25]:	QNetworkProtocol::clearOperationQueue()
vfunc[26]:	QNetworkProtocol::stop()
vfunc[27]:	QNetworkProtocol::processOperation(QNetworkOperation*)
vfunc[28]:	QLocalFs::operationListChildren(QNetworkOperation*)
vfunc[29]:	QLocalFs::operationMkDir(QNetwor

	kOperation*)
vfunc[30]:	QLocalFs::operationRemove(QNetworkOperation*)
vfunc[31]:	QLocalFs::operationRename(QNetworkOperation*)
vfunc[32]:	QLocalFs::operationGet(QNetworkOperation*)
vfunc[33]:	QLocalFs::operationPut(QNetworkOperation*)
vfunc[34]:	QNetworkProtocol::operationPutChunk(QNetworkOperation*)
vfunc[35]:	QNetworkProtocol::checkConnection(QNetworkOperation*)

The Run Time Type Information for the QLocalFs class is described by Table 13-537

Table 13-537 typeinfo for QLocalFs

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QLocalFs
basetype:	typeinfo for QNetworkProtocol

13.2.1.269 Class data for QCanvasPolygon

The virtual table for the QCanvasPolygon class is described by Table 13-538

Table 13-538 Primary vtable for QCanvasPolygon

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QCanvasPolygon
vfunc[0]:	QCanvasPolygon::~QCanvasPolygon()
vfunc[1]:	QCanvasPolygon::~QCanvasPolygon()
vfunc[2]:	QCanvasPolygon::moveBy(double, double)
vfunc[3]:	QCanvasItem::setAnimated(bool)
vfunc[4]:	QCanvasItem::setVelocity(double, double)
vfunc[5]:	QCanvasItem::advance(int)
vfunc[6]:	QCanvasPolygonalItem::collidesWith(QCanvasItem const*) const

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vfunc[7]:	QCanvasItem::setCanvas(QCanvas*)
vfunc[8]:	QCanvasPolygonalItem::draw(QPainter&)
vfunc[9]:	QCanvasItem::setVisible(bool)
vfunc[10]:	QCanvasItem::setSelected(bool)
vfunc[11]:	QCanvasItem::setEnabled(bool)
vfunc[12]:	QCanvasItem::setActive(bool)
vfunc[13]:	QCanvasPolygon::rtti() const
vfunc[14]:	QCanvasPolygonalItem::boundingRect() const
vfunc[15]:	QCanvasItem::boundingRectAdvanced() const
vfunc[16]:	QCanvasPolygonalItem::chunks() const
vfunc[17]:	QCanvasItem::addToChunks()
vfunc[18]:	QCanvasItem::removeFromChunks()
vfunc[19]:	QCanvasItem::changeChunks()
vfunc[20]:	QCanvasPolygonalItem::collidesWith(QCanvasSprite const*, QCanvasPolygonalItem const*, QCanvasRectangle const*, QCanvasEllipse const*, QCanvasText const*) const
vfunc[21]:	QCanvasPolygonalItem::setPen(QPen)
vfunc[22]:	QCanvasPolygonalItem::setBrush(QBrush)
vfunc[23]:	QCanvasPolygon::areaPoints() const
vfunc[24]:	QCanvasPolygonalItem::areaPointsAdvanced() const
vfunc[25]:	QCanvasPolygon::drawShape(QPainter&)

The Run Time Type Information for the QCanvasPolygon class is described by Table 13-539

Table 13-539 typeinfo for QCanvasPolygon

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QCanvasPolygon
basetype:	typeinfo for QCanvasPolygonalItem

13.2.1.270 Class data for QDateEdit

The virtual table for the QDateEdit class is described by Table 13-540

Table 13-540 Primary vtable for QDateEdit

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDateEdit
vfunc[0]:	QDateEdit::metaObject() const
vfunc[1]:	QDateEdit::className() const
vfunc[2]:	QDateEdit::qt_cast(char const*)
vfunc[3]:	QDateEdit::qt_invoke(int, QUObject*)
vfunc[4]:	QDateEdit::qt_emit(int, QUObject*)
vfunc[5]:	QDateEdit::qt_property(int, int, QVariant*)
vfunc[6]:	QDateEdit::~QDateEdit()
vfunc[7]:	QDateEdit::~QDateEdit()
vfunc[8]:	QDateEdit::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QDateEdit::timerEvent(QTimerEvent *)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)

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vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()

vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QDateEdit::sizeHint() const
vfunc[59]:	QDateEdit::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent

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	*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QDateEdit::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)

vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QDateEdit::setFocusSection(int)
vfunc[111]:	QDateEdit::sectionFormattedText(int)
vfunc[112]:	QDateEdit::addNumber(int, int)
vfunc[113]:	QDateEdit::removeLastNumber(int)
vfunc[114]:	QDateEdit::stepUp()
vfunc[115]:	QDateEdit::stepDown()
vfunc[116]:	QDateEdit::setDate(QDate const&)
vfunc[117]:	QDateEdit::setOrder(QDateEdit::Ord er)
vfunc[118]:	QDateEdit::setAutoAdvance(bool)
vfunc[119]:	QDateEdit::setMinValue(QDate const&)
vfunc[120]:	QDateEdit::setMaxValue(QDate const&)
vfunc[121]:	QDateEdit::setRange(QDate const&, QDate const&)
vfunc[122]:	QDateEdit::setSeparator(QString const&)
vfunc[123]:	QDateEdit::setYear(int)
vfunc[124]:	QDateEdit::setMonth(int)
vfunc[125]:	QDateEdit::setDay(int)
vfunc[126]:	QDateEdit::fix()
vfunc[127]:	QDateEdit::outOfRange(int, int, int) const

The Run Time Type Information for the QDateEdit class is described by Table 13-541

Table 13-541 typeinfo for QDateEdit

Base Vtable	vtable for __cxxabiv1::__si_class_type_info

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Name	typeinfo name for QDateEdit
basetype:	typeinfo for QDateTimeEditBase

13.2.1.271 Class data for QPaintEvent

The virtual table for the QPaintEvent class is described by Table 13-542

Table 13-542 Primary vtable for QPaintEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QPaintEvent
vfunc[0]:	QPaintEvent::~QPaintEvent()
vfunc[1]:	QPaintEvent::~QPaintEvent()

The Run Time Type Information for the QPaintEvent class is described by Table 13-543

Table 13-543 typeinfo for QPaintEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QPaintEvent
basetype:	typeinfo for QEvent

13.2.1.272 Class data for QAccel

The virtual table for the QAccel class is described by Table 13-544

Table 13-544 Primary vtable for QAccel

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QAccel
vfunc[0]:	QAccel::metaObject() const
vfunc[1]:	QAccel::className() const
vfunc[2]:	QAccel::qt_cast(char const*)
vfunc[3]:	QAccel::qt_invoke(int, QUObject*)
vfunc[4]:	QAccel::qt_emit(int, QUObject*)
vfunc[5]:	QAccel::qt_property(int, int, QVariant*)
vfunc[6]:	QAccel::~QAccel()
vfunc[7]:	QAccel::~QAccel()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QAccel::eventFilter(QObject*,

	QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

The Run Time Type Information for the QAccel class is described by Table 13-545

Table 13-545 typeinfo for QAccel

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QAccel
basetype:	typeinfo for QObject

13.2.1.273 Class data for QCanvas

The virtual table for the QCanvas class is described by Table 13-546

Table 13-546 Primary vtable for QCanvas

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QCanvas
vfunc[0]:	QCanvas::metaObject() const
vfunc[1]:	QCanvas::className() const
vfunc[2]:	QCanvas::qt_cast(char const*)
vfunc[3]:	QCanvas::qt_invoke(int, QUObject*)
vfunc[4]:	QCanvas::qt_emit(int, QUObject*)
vfunc[5]:	QCanvas::qt_property(int, int, QVariant*)

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vfunc[6]:	QCanvas::~QCanvas()
vfunc[7]:	QCanvas::~QCanvas()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QCanvas::setTiles(QPixmap, int, int, int, int)
vfunc[22]:	QCanvas::setBackgroundPixmap(QPi xmap const&)
vfunc[23]:	QCanvas::setBackgroundColor(QCol or const&)
vfunc[24]:	QCanvas::setTile(int, int, int)
vfunc[25]:	QCanvas::resize(int, int)
vfunc[26]:	QCanvas::retune(int, int)
vfunc[27]:	QCanvas::setChangedChunk(int, int)
vfunc[28]:	QCanvas::setChangedChunkContain ing(int, int)
vfunc[29]:	QCanvas::setAllChanged()
vfunc[30]:	QCanvas::setChanged(QRect const&)
vfunc[31]:	QCanvas::setUnchanged(QRect const&)
vfunc[32]:	QCanvas::addView(QCanvasView*)
vfunc[33]:	QCanvas::removeView(QCanvasVie

	w*)
vfunc[34]:	QCanvas::addItem(QCanvasItem*)
vfunc[35]:	QCanvas::addAnimation(QCanvasItem*)
vfunc[36]:	QCanvas::removeItem(QCanvasItem*)
vfunc[37]:	QCanvas::removeAnimation(QCanvasItem*)
vfunc[38]:	QCanvas::setAdvancePeriod(int)
vfunc[39]:	QCanvas::setUpdatePeriod(int)
vfunc[40]:	QCanvas::setDoubleBuffering(bool)
vfunc[41]:	QCanvas::advance()
vfunc[42]:	QCanvas::update()
vfunc[43]:	QCanvas::drawBackground(QPainter &, QRect const&)
vfunc[44]:	QCanvas::drawForeground(QPainter &, QRect const&)

The Run Time Type Information for the QCanvas class is described by Table 13-547

Table 13-547 typeinfo for QCanvas

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QCanvas
basetype:	typeinfo for QObject

13.2.1.274 Class data for QDomDocumentFragment

The virtual table for the QDomDocumentFragment class is described by Table 13-548

Table 13-548 Primary vtable for QDomDocumentFragment

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDomDocumentFragment
vfunc[0]:	QDomDocumentFragment::~QDomDocumentFragment()
vfunc[1]:	QDomDocumentFragment::~QDomDocumentFragment()
vfunc[2]:	QDomNode::insertBefore(QDomNode const&, QDomNode const&)

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vfunc[3]:	QDomNode::insertAfter(QDomNode const&, QDomNode const&)
vfunc[4]:	QDomNode::replaceChild(QDomNode const&, QDomNode const&)
vfunc[5]:	QDomNode::removeChild(QDomNode const&)
vfunc[6]:	QDomNode::appendChild(QDomNode const&)
vfunc[7]:	QDomNode::hasChildNodes() const
vfunc[8]:	QDomNode::cloneNode(bool) const
vfunc[9]:	QDomNode::normalize()
vfunc[10]:	QDomNode::isSupported(QString const&, QString const&) const
vfunc[11]:	QDomNode::nodeName() const
vfunc[12]:	QDomDocumentFragment::nodeType() const
vfunc[13]:	QDomNode::parentNode() const
vfunc[14]:	QDomNode::childNodes() const
vfunc[15]:	QDomNode::firstChild() const
vfunc[16]:	QDomNode::lastChild() const
vfunc[17]:	QDomNode::previousSibling() const
vfunc[18]:	QDomNode::nextSibling() const
vfunc[19]:	QDomNode::attributes() const
vfunc[20]:	QDomNode::ownerDocument() const
vfunc[21]:	QDomNode::namespaceURI() const
vfunc[22]:	QDomNode::localName() const
vfunc[23]:	QDomNode::hasAttributes() const
vfunc[24]:	QDomNode::nodeValue() const
vfunc[25]:	QDomNode::setNodeValue(QString const&)
vfunc[26]:	QDomNode::prefix() const
vfunc[27]:	QDomNode::setPrefix(QString const&)
vfunc[28]:	QDomNode::isAttr() const
vfunc[29]:	QDomNode::isCDATASection() const
vfunc[30]:	QDomDocumentFragment::isDocum

	entFragment() const
vfunc[31]:	QDomNode::isDocument() const
vfunc[32]:	QDomNode::isDocumentType() const
vfunc[33]:	QDomNode::isElement() const
vfunc[34]:	QDomNode::isEntityReference() const
vfunc[35]:	QDomNode::isText() const
vfunc[36]:	QDomNode::isEntity() const
vfunc[37]:	QDomNode::isNotation() const
vfunc[38]:	QDomNode::isProcessingInstruction() const
vfunc[39]:	QDomNode::isCharacterData() const
vfunc[40]:	QDomNode::isComment() const

The Run Time Type Information for the QDomDocumentFragment class is described by Table 13-549

Table 13-549 typeinfo for QDomDocumentFragment

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDomDocumentFragment
basetype:	typeinfo for QDomNode

13.2.1.275 Class data for QDataStream

The virtual table for the QDataStream class is described by Table 13-550

Table 13-550 Primary vtable for QDataStream

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDataStream
vfunc[0]:	QDataStream::~QDataStream()
vfunc[1]:	QDataStream::~QDataStream()

The Run Time Type Information for the QDataStream class is described by Table 13-551

Table 13-551 typeinfo for QDataStream

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QDataStream

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13.2.1.276 Class data for QJpUnicodeConv

The virtual table for the QJpUnicodeConv class is described by Table 13-552

Table 13-552 Primary vtable for QJpUnicodeConv

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QJpUnicodeConv
vfunc[0]:	QJpUnicodeConv::asciiToUnicode(unsigned int, unsigned int) const
vfunc[1]:	QJpUnicodeConv::jisx0201LatinToUnicode(unsigned int, unsigned int) const
vfunc[2]:	QJpUnicodeConv::jisx0208ToUnicode(unsigned int, unsigned int) const
vfunc[3]:	QJpUnicodeConv::jisx0212ToUnicode(unsigned int, unsigned int) const
vfunc[4]:	QJpUnicodeConv::unicodeToAscii(unsigned int, unsigned int) const
vfunc[5]:	QJpUnicodeConv::unicodeToJisx0201Latin(unsigned int, unsigned int) const
vfunc[6]:	QJpUnicodeConv::unicodeToJisx0208(unsigned int, unsigned int) const
vfunc[7]:	QJpUnicodeConv::unicodeToJisx0212(unsigned int, unsigned int) const

The Run Time Type Information for the QJpUnicodeConv class is described by Table 13-553

Table 13-553 typeinfo for QJpUnicodeConv

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QJpUnicodeConv

13.2.1.277 Class data for QPushButton

The virtual table for the QPushButton class is described by Table 13-554

Table 13-554 Primary vtable for QPushButton

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QPushButton
vfunc[0]:	QPushButton::metaObject() const
vfunc[1]:	QPushButton::className() const

vfunc[2]:	QPushButton::qt_cast(char const*)
vfunc[3]:	QPushButton::qt_invoke(int, QUObject*)
vfunc[4]:	QPushButton::qt_emit(int, QUObject*)
vfunc[5]:	QPushButton::qt_property(int, int, QVariant*)
vfunc[6]:	QPushButton::~QPushButton()
vfunc[7]:	QPushButton::~QPushButton()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)

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vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QPushButton::move(int, int)
vfunc[54]:	QPushButton::resize(int, int)
vfunc[55]:	QPushButton::setGeometry(int, int, int, int)
vfunc[56]:	QPushButton::setGeometry(QRect const&)

vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QPushButton::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QButton::mousePressEvent(QMouseEvent*)
vfunc[70]:	QButton::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QButton::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QButton::keyPressEvent(QKeyEvent*)
vfunc[75]:	QButton::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QPushButton::focusInEvent(QFocusEvent*)
vfunc[77]:	QPushButton::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QButton::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QPushButton::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)

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vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QPushButton::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QButton::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QButton::setText(QString const&)
vfunc[111]:	QButton::setPixmap(QPixmap

	const&)
vfunc[112]:	QButton::setAccel(QKeySequence const&)
vfunc[113]:	QButton::setDown(bool)
vfunc[114]:	QButton::setAutoRepeat(bool)
vfunc[115]:	QButton::setToggleType(QButton::ToggleType)
vfunc[116]:	QButton::setState(QButton::ToggleState)
vfunc[117]:	QButton::hitButton(QPoint const&) const
vfunc[118]:	QPushButton::drawButton(QPainter*)
vfunc[119]:	QPushButton::drawButtonLabel(QPainter*)
vfunc[120]:	QButton::setGroup(QButtonGroup*)
vfunc[121]:	QPushButton::setAutoDefault(bool)
vfunc[122]:	QPushButton::setDefault(bool)
vfunc[123]:	QPushButton::setIsMenuButton(bool)
vfunc[124]:	QPushButton::setOn(bool)

The Run Time Type Information for the QPushButton class is described by Table 13-555

Table 13-555 typeinfo for QPushButton

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QPushButton
basetype:	typeinfo for QButton

13.2.1.278 Class data for QWidgetList

The virtual table for the QWidgetList class is described by Table 13-556

Table 13-556 Primary vtable for QWidgetList

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QWidgetList
vfunc[0]:	QPtrList<QWidget>::count() const
vfunc[1]:	QPtrList<QWidget>::clear()
vfunc[2]:	QWidgetList::~QWidgetList()

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vfunc[3]:	QWidgetList::~QWidgetList()
vfunc[4]:	QPtrCollection::newItem(void*)
vfunc[5]:	QPtrList<QWidget>::deleteItem(void *)
vfunc[6]:	QGList::compareItems(void*, void*)
vfunc[7]:	QGList::read(QDataStream&, void*&)
vfunc[8]:	QGList::write(QDataStream&, void*) const

The Run Time Type Information for the QWidgetList class is described by Table 13-557

Table 13-557 typeinfo for QWidgetList

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QWidgetList
basetype:	typeinfo for QPtrList<QWidget>

13.2.1.279 Class data for QMenuData

The virtual table for the QMenuData class is described by Table 13-558

Table 13-558 Primary vtable for QMenuData

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QMenuData
vfunc[0]:	QMenuData::~QMenuData()
vfunc[1]:	QMenuData::~QMenuData()
vfunc[2]:	QMenuData::updateItem(int)
vfunc[3]:	QMenuData::setId(int, int)
vfunc[4]:	QMenuData::activateItemAt(int)
vfunc[5]:	QMenuData::menuContentsChanged ()
vfunc[6]:	QMenuData::menuStateChanged()
vfunc[7]:	QMenuData::menuInsPopup(QPopupMenu*)
vfunc[8]:	QMenuData::menuDelPopup(QPopupMenu*)

The Run Time Type Information for the QMenuData class is described by Table 13-559

Table 13-559 typeinfo for QMenuData

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QMenuData

13.2.1.280 Class data for QDataView

The virtual table for the QDataView class is described by Table 13-560

Table 13-560 Primary vtable for QDataView

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDataView
vfunc[0]:	QDataView::metaObject() const
vfunc[1]:	QDataView::className() const
vfunc[2]:	QDataView::qt_cast(char const*)
vfunc[3]:	QDataView::qt_invoke(int, QUObject*)
vfunc[4]:	QDataView::qt_emit(int, QUObject*)
vfunc[5]:	QDataView::qt_property(int, int, QVariant*)
vfunc[6]:	QDataView::~QDataView()
vfunc[7]:	QDataView::~QDataView()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char

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	const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()

vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QWidget::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEve

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	nt*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent *)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QWidget::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const

vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QDataView::setForm(QSqlForm*)
vfunc[111]:	QDataView::setRecord(QSqlRecord*)
vfunc[112]:	QDataView::refresh(QSqlRecord*)
vfunc[113]:	QDataView::readFields()
vfunc[114]:	QDataView::writeFields()
vfunc[115]:	QDataView::clearValues()

The Run Time Type Information for the QDataView class is described by Table 13-561

Table 13-561 typeinfo for QDataView

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDataView
basetype:	typeinfo for QWidget

13.2.1.281 Class data for QSqlEditorFactory

The virtual table for the QSqlEditorFactory class is described by Table 13-562

Table 13-562 Primary vtable for QSqlEditorFactory

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSqlEditorFactory
vfunc[0]:	QObject::metaObject() const
vfunc[1]:	QObject::className() const
vfunc[2]:	QObject::qt_cast(char const*)
vfunc[3]:	QObject::qt_invoke(int, QUObject*)
vfunc[4]:	QObject::qt_emit(int, QUObject*)
vfunc[5]:	QObject::qt_property(int, int, QVariant*)

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vfunc[6]:	QSqlEditorFactory::~QSqlEditorFactory()
vfunc[7]:	QSqlEditorFactory::~QSqlEditorFactory()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QSqlEditorFactory::createEditor(QWidget*, QVariant const&)
vfunc[22]:	QSqlEditorFactory::createEditor(QWidget*, QSqlField const*)

The Run Time Type Information for the QSqlEditorFactory class is described by Table 13-563

Table 13-563 typeinfo for QSqlEditorFactory

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSqlEditorFactory
basetype:	typeinfo for QEditorFactory

13.2.1.282 Class data for QConnectionList

The virtual table for the QConnectionList class is described by Table 13-564

Table 13-564 Primary vtable for QConnectionList

Base Offset	0

Virtual Base Offset	0
RTTI	typeinfo for QConnectionList
vfunc[0]:	QPtrList<QConnection>::count() const
vfunc[1]:	QPtrList<QConnection>::clear()
vfunc[2]:	QConnectionList::~QConnectionList()
vfunc[3]:	QConnectionList::~QConnectionList()
vfunc[4]:	QPtrCollection::newItem(void*)
vfunc[5]:	QPtrList<QConnection>::deleteItem(void*)
vfunc[6]:	QGList::compareItems(void*, void*)
vfunc[7]:	QGList::read(QDataStream&, void*&)
vfunc[8]:	QGList::write(QDataStream&, void*) const

The Run Time Type Information for the QConnectionList class is described by Table 13-565

Table 13-565 typeinfo for QConnectionList

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QConnectionList
basetype:	typeinfo for QPtrList<QConnection>

13.2.1.283 Class data for QSqlCursor

The virtual table for the QSqlCursor class is described by Table 13-566

Table 13-566 Primary vtable for QSqlCursor

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSqlCursor
vfunc[0]:	QSqlCursor::~QSqlCursor()
vfunc[1]:	QSqlCursor::~QSqlCursor()
vfunc[2]:	QSqlCursor::value(int) const
vfunc[3]:	QSqlCursor::value(QString const&) const
vfunc[4]:	QSqlCursor::setValue(int, QVariant const&)

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vfunc[5]:	QSqlCursor::setValue(QString const&, QVariant const&)
vfunc[6]:	QSqlCursor::setGenerated(QString const&, bool)
vfunc[7]:	QSqlCursor::setGenerated(int, bool)
vfunc[8]:	QSqlRecord::setNull(int)
vfunc[9]:	QSqlRecord::setNull(QString const&)
vfunc[10]:	QSqlCursor::append(QSqlField const&)
vfunc[11]:	QSqlCursor::insert(int, QSqlField const&)
vfunc[12]:	QSqlCursor::remove(int)
vfunc[13]:	QSqlCursor::clear()
vfunc[14]:	QSqlRecord::clearValues(bool)
vfunc[15]:	QSqlCursor::toString(QString const&, QString const&) const
vfunc[16]:	QSqlRecord::toStringList(QString const&) const
vfunc[17]:	QSqlCursor::primaryIndex(bool) const
vfunc[18]:	QSqlCursor::index(QStringList const&) const
vfunc[19]:	QSqlCursor::setPrimaryIndex(QSqlIndex const&)
vfunc[20]:	QSqlCursor::append(QSqlFieldInfo const&)
vfunc[21]:	QSqlCursor::insert(int, QSqlFieldInfo const&)
vfunc[22]:	QSqlCursor::editBuffer(bool)
vfunc[23]:	QSqlCursor::primeInsert()
vfunc[24]:	QSqlCursor::primeUpdate()
vfunc[25]:	QSqlCursor::primeDelete()
vfunc[26]:	QSqlCursor::insert(bool)
vfunc[27]:	QSqlCursor::update(bool)
vfunc[28]:	QSqlCursor::del(bool)
vfunc[29]:	QSqlCursor::setMode(int)
vfunc[30]:	QSqlCursor::setCalculated(QString const&, bool)
vfunc[31]:	QSqlCursor::setTrimmed(QString

	const&, bool)
vfunc[32]:	QSqlCursor::select(QString const&, QSqlIndex const&)
vfunc[33]:	QSqlCursor::setSort(QSqlIndex const&)
vfunc[34]:	QSqlCursor::setFilter(QString const&)
vfunc[35]:	QSqlCursor::setName(QString const&, bool)
vfunc[36]:	QSqlCursor::afterSeek()
vfunc[37]:	QSqlCursor::exec(QString const&)
vfunc[38]:	QSqlCursor::calculateField(QString const&)
vfunc[39]:	QSqlCursor::update(QString const&, bool)
vfunc[40]:	QSqlCursor::del(QString const&, bool)
vfunc[41]:	QSqlCursor::toString(QString const&, QSqlField*, QString const&) const
vfunc[42]:	QSqlCursor::toString(QSqlRecord*, QString const&, QString const&, QString const&) const
vfunc[43]:	QSqlCursor::toString(QSqlIndex const&, QSqlRecord*, QString const&, QString const&, QString const&) const

The Run Time Type Information for the QSqlCursor class is described by Table 13-567

Table 13-567 typeinfo for QSqlCursor

Base Vtable	vtable for __cxxabiv1::__vmi_class_type_info	
Name	typeinfo name for QSqlCursor	
flags:	0	
basetype:	typeinfo for QSqlRecord	2
basetype:	typeinfo for QSqlQuery	2050

13.2.1.284 Class data for QAction

The virtual table for the QAction class is described by Table 13-568

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Table 13-568 Primary vtable for QAction

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QAction
vfunc[0]:	QAction::metaObject() const
vfunc[1]:	QAction::className() const
vfunc[2]:	QAction::qt_cast(char const*)
vfunc[3]:	QAction::qt_invoke(int, QUObject*)
vfunc[4]:	QAction::qt_emit(int, QUObject*)
vfunc[5]:	QAction::qt_property(int, int, QVariant*)
vfunc[6]:	QAction::~QAction()
vfunc[7]:	QAction::~QAction()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QAction::setIconSet(QIconSet const&)
vfunc[22]:	QAction::setText(QString const&)
vfunc[23]:	QAction::setMenuText(QString const&)
vfunc[24]:	QAction::setToolTip(QString const&)

vfunc[25]:	QAction::setStatusTip(QString const&)
vfunc[26]:	QAction::setWhatsThis(QString const&)
vfunc[27]:	QAction::setAccel(QKeySequence const&)
vfunc[28]:	QAction::setToggleAction(bool)
vfunc[29]:	QAction::addTo(QWidget*)
vfunc[30]:	QAction::removeFrom(QWidget*)
vfunc[31]:	QAction::addedTo(QWidget*, QWidget*)
vfunc[32]:	QAction::addedTo(int, QPopupMenu*)
vfunc[33]:	QAction::setOn(bool)
vfunc[34]:	QAction::setEnabled(bool)

The Run Time Type Information for the QAction class is described by Table 13-569

Table 13-569 typeinfo for QAction

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QAction
basetype:	typeinfo for QObject

13.2.1.285 Class data for QHostAddress

The virtual table for the QHostAddress class is described by Table 13-570

Table 13-570 Primary vtable for QHostAddress

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QHostAddress
vfunc[0]:	QHostAddress::~QHostAddress()
vfunc[1]:	QHostAddress::~QHostAddress()

The Run Time Type Information for the QHostAddress class is described by Table 13-571

Table 13-571 typeinfo for QHostAddress

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QHostAddress

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13.2.1.286 Class data for QWheelEvent

The virtual table for the QWheelEvent class is described by Table 13-572

Table 13-572 Primary vtable for QWheelEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QWheelEvent
vfunc[0]:	QWheelEvent::~QWheelEvent()
vfunc[1]:	QWheelEvent::~QWheelEvent()

The Run Time Type Information for the QWheelEvent class is described by Table 13-573

Table 13-573 typeinfo for QWheelEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QWheelEvent
basetype:	typeinfo for QEvent

13.2.1.287 Class data for QDataBrowser

The virtual table for the QDataBrowser class is described by Table 13-574

Table 13-574 Primary vtable for QDataBrowser

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QDataBrowser
vfunc[0]:	QDataBrowser::metaObject() const
vfunc[1]:	QDataBrowser::className() const
vfunc[2]:	QDataBrowser::qt_cast(char const*)
vfunc[3]:	QDataBrowser::qt_invoke(int, QUObject*)
vfunc[4]:	QDataBrowser::qt_emit(int, QUObject*)
vfunc[5]:	QDataBrowser::qt_property(int, int, QVariant*)
vfunc[6]:	QDataBrowser::~QDataBrowser()
vfunc[7]:	QDataBrowser::~QDataBrowser()
vfunc[8]:	QWidget::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)

vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::B ackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColo r(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixm ap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QCol or const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPi xmap const&)

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vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QWidget::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)

vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QWidget::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)

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vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QDataBrowser::setSqlCursor(QSqlCursor*, bool)
vfunc[111]:	QDataBrowser::setForm(QSqlForm*)
vfunc[112]:	QDataBrowser::setConfirmEdits(bool)
vfunc[113]:	QDataBrowser::setConfirmInsert(bool)
vfunc[114]:	QDataBrowser::setConfirmUpdate(bool)
vfunc[115]:	QDataBrowser::setConfirmDelete(bool)
vfunc[116]:	QDataBrowser::setConfirmCancels(bool)
vfunc[117]:	QDataBrowser::setReadOnly(bool)
vfunc[118]:	QDataBrowser::setAutoEdit(bool)
vfunc[119]:	QDataBrowser::seek(int, bool)

vfunc[120]:	QDataBrowser::refresh()
vfunc[121]:	QDataBrowser::insert()
vfunc[122]:	QDataBrowser::update()
vfunc[123]:	QDataBrowser::del()
vfunc[124]:	QDataBrowser::first()
vfunc[125]:	QDataBrowser::last()
vfunc[126]:	QDataBrowser::next()
vfunc[127]:	QDataBrowser::prev()
vfunc[128]:	QDataBrowser::readFields()
vfunc[129]:	QDataBrowser::writeFields()
vfunc[130]:	QDataBrowser::clearValues()
vfunc[131]:	QDataBrowser::insertCurrent()
vfunc[132]:	QDataBrowser::updateCurrent()
vfunc[133]:	QDataBrowser::deleteCurrent()
vfunc[134]:	QDataBrowser::currentEdited()
vfunc[135]:	QDataBrowser::confirmEdit(QSql::Op)
vfunc[136]:	QDataBrowser::confirmCancel(QSql::Op)
vfunc[137]:	QDataBrowser::handleError(QSqlError const&)

The Run Time Type Information for the QDataBrowser class is described by Table 13-575

Table 13-575 typeinfo for QDataBrowser

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QDataBrowser
basetype:	typeinfo for QWidget

13.2.1.288 Class data for QTimeEdit

The virtual table for the QTimeEdit class is described by Table 13-576

Table 13-576 Primary vtable for QTimeEdit

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTimeEdit
vfunc[0]:	QTimeEdit::metaObject() const

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vfunc[1]:	QTimeEdit::className() const
vfunc[2]:	QTimeEdit::qt_cast(char const*)
vfunc[3]:	QTimeEdit::qt_invoke(int, QUObject*)
vfunc[4]:	QTimeEdit::qt_emit(int, QUObject*)
vfunc[5]:	QTimeEdit::qt_property(int, int, QVariant*)
vfunc[6]:	QTimeEdit::~QTimeEdit()
vfunc[7]:	QTimeEdit::~QTimeEdit()
vfunc[8]:	QTimeEdit::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QTimeEdit::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QWidget::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)

vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect

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	const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QTimeEdit::sizeHint() const
vfunc[59]:	QTimeEdit::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QWidget::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QTimeEdit::resizeEvent(QResizeEve

	nt*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QWidget::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QWidget::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)

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vfunc[110]:	QTimeEdit::setFocusSection(int)
vfunc[111]:	QTimeEdit::sectionFormattedText(int)
vfunc[112]:	QTimeEdit::addNumber(int, int)
vfunc[113]:	QTimeEdit::removeLastNumber(int)
vfunc[114]:	QTimeEdit::stepUp()
vfunc[115]:	QTimeEdit::stepDown()
vfunc[116]:	QTimeEdit::setTime(QTime const&)
vfunc[117]:	QTimeEdit::setAutoAdvance(bool)
vfunc[118]:	QTimeEdit::setMinValue(QTime const&)
vfunc[119]:	QTimeEdit::setMaxValue(QTime const&)
vfunc[120]:	QTimeEdit::setRange(QTime const&, QTime const&)
vfunc[121]:	QTimeEdit::setSeparator(QString const&)
vfunc[122]:	QTimeEdit::outOfRange(int, int, int) const
vfunc[123]:	QTimeEdit::setHour(int)
vfunc[124]:	QTimeEdit::setMinute(int)
vfunc[125]:	QTimeEdit::setSecond(int)

The Run Time Type Information for the QTimeEdit class is described by Table 13-577

Table 13-577 typeinfo for QTimeEdit

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QTimeEdit
basetype:	typeinfo for QDateTimeEditBase

13.2.1.289 Class data for QIconDragItem

The virtual table for the QIconDragItem class is described by Table 13-578

Table 13-578 Primary vtable for QIconDragItem

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QIconDragItem
vfunc[0]:	QIconDragItem::~QIconDragItem()

vfunc[1]:	QIconDragItem::~QIconDragItem()
vfunc[2]:	QIconDragItem::data() const
vfunc[3]:	QIconDragItem::setData(QMemArray<char> const&)

The Run Time Type Information for the QIconDragItem class is described by Table 13-579

Table 13-579 typeinfo for QIconDragItem

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QIconDragItem

13.2.1.290 Class data for QSqlFieldInfo

The virtual table for the QSqlFieldInfo class is described by Table 13-580

Table 13-580 Primary vtable for QSqlFieldInfo

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSqlFieldInfo
vfunc[0]:	QSqlFieldInfo::~QSqlFieldInfo()
vfunc[1]:	QSqlFieldInfo::~QSqlFieldInfo()
vfunc[2]:	QSqlFieldInfo::setTrim(bool)
vfunc[3]:	QSqlFieldInfo::setGenerated(bool)
vfunc[4]:	QSqlFieldInfo::setCalculated(bool)

The Run Time Type Information for the QSqlFieldInfo class is described by Table 13-581

Table 13-581 typeinfo for QSqlFieldInfo

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QSqlFieldInfo

13.2.1.291 Class data for QFtp

The virtual table for the QFtp class is described by Table 13-582

Table 13-582 Primary vtable for QFtp

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QFtp
vfunc[0]:	QFtp::metaObject() const

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vfunc[1]:	QFtp::className() const
vfunc[2]:	QFtp::qt_cast(char const*)
vfunc[3]:	QFtp::qt_invoke(int, QUObject*)
vfunc[4]:	QFtp::qt_emit(int, QUObject*)
vfunc[5]:	QFtp::qt_property(int, int, QVariant*)
vfunc[6]:	QFtp::~QFtp()
vfunc[7]:	QFtp::~QFtp()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QNetworkProtocol::setUrl(QUrlOper ator*)
vfunc[22]:	QNetworkProtocol::setAutoDelete(b ool, int)
vfunc[23]:	QFtp::supportedOperations() const
vfunc[24]:	QNetworkProtocol::addOperation(Q NetworkOperation*)
vfunc[25]:	QNetworkProtocol::clearOperationQ ueue()
vfunc[26]:	QNetworkProtocol::stop()
vfunc[27]:	QNetworkProtocol::processOperatio n(QNetworkOperation*)
vfunc[28]:	QFtp::operationListChildren(QNetw

	orkOperation*)
vfunc[29]:	QFtp::operationMkDir(QNetworkOperation*)
vfunc[30]:	QFtp::operationRemove(QNetworkOperation*)
vfunc[31]:	QFtp::operationRename(QNetworkOperation*)
vfunc[32]:	QFtp::operationGet(QNetworkOperation*)
vfunc[33]:	QFtp::operationPut(QNetworkOperation*)
vfunc[34]:	QNetworkProtocol::operationPutChunk(QNetworkOperation*)
vfunc[35]:	QFtp::checkConnection(QNetworkOperation*)

The Run Time Type Information for the QFtp class is described by Table 13-583

Table 13-583 typeinfo for QFtp

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QFtp
basetype:	typeinfo for QNetworkProtocol

13.2.1.292 Class data for QLayoutItem

The virtual table for the QLayoutItem class is described by Table 13-584

Table 13-584 Primary vtable for QLayoutItem

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QLayoutItem
vfunc[0]:	QLayoutItem::~QLayoutItem()
vfunc[1]:	QLayoutItem::~QLayoutItem()
vfunc[2]:	__cxa_pure_virtual
vfunc[3]:	__cxa_pure_virtual
vfunc[4]:	__cxa_pure_virtual
vfunc[5]:	__cxa_pure_virtual
vfunc[6]:	__cxa_pure_virtual
vfunc[7]:	__cxa_pure_virtual
vfunc[8]:	__cxa_pure_virtual

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vfunc[9]:	QLayoutItem::hasHeightForWidth() const
vfunc[10]:	QLayoutItem::heightForWidth(int) const
vfunc[11]:	QLayoutItem::invalidate()
vfunc[12]:	QLayoutItem::widget()
vfunc[13]:	QLayoutItem::iterator()
vfunc[14]:	QLayoutItem::layout()
vfunc[15]:	QLayoutItem::spacerItem()
vfunc[16]:	QLayoutItem::setAlignment(int)

The Run Time Type Information for the QLayoutItem class is described by Table 13-585

Table 13-585 typeinfo for QLayoutItem

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for QLayoutItem

13.2.1.293 Class data for QMoveEvent

The virtual table for the QMoveEvent class is described by Table 13-586

Table 13-586 Primary vtable for QMoveEvent

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QMoveEvent
vfunc[0]:	QMoveEvent::~QMoveEvent()
vfunc[1]:	QMoveEvent::~QMoveEvent()

The Run Time Type Information for the QMoveEvent class is described by Table 13-587

Table 13-587 typeinfo for QMoveEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QMoveEvent
basetype:	typeinfo for QEvent

13.2.1.294 Class data for QTextEdit

The virtual table for the QTextEdit class is described by Table 13-588

Table 13-588 Primary vtable for QTextEdit

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QTextEdit
vfunc[0]:	QTextEdit::metaObject() const
vfunc[1]:	QTextEdit::className() const
vfunc[2]:	QTextEdit::qt_cast(char const*)
vfunc[3]:	QTextEdit::qt_invoke(int, QUObject*)
vfunc[4]:	QTextEdit::qt_emit(int, QUObject*)
vfunc[5]:	QTextEdit::qt_property(int, int, QVariant*)
vfunc[6]:	QTextEdit::~QTextEdit()
vfunc[7]:	QTextEdit::~QTextEdit()
vfunc[8]:	QTextEdit::event(QEvent*)
vfunc[9]:	QTextEdit::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QScrollView::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)
vfunc[21]:	QTextEdit::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)

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vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QTextEdit::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QTextEdit::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QScrollView::show()
vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QTextEdit::polish()

vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QScrollView::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QTextEdit::sizeHint() const
vfunc[59]:	QScrollView::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QTextEdit::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QScrollView::mousePressEvent(QMouseEvent*)
vfunc[70]:	QScrollView::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QScrollView::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QScrollView::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QScrollView::wheelEvent(QWheelEvent*)
vfunc[74]:	QTextEdit::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEvent*)
vfunc[76]:	QWidget::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)

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vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QFrame::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QTextEdit::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QScrollView::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QTextEdit::imStartEvent(QIMEvent*)
vfunc[86]:	QTextEdit::imComposeEvent(QIMEvent*)
vfunc[87]:	QTextEdit::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QScrollView::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QScrollView::fontChange(QFont const&)
vfunc[101]:	QTextEdit::windowActivationChange(bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)

vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QTextEdit::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QTextEdit::drawContents(QPainter*)
vfunc[117]:	QScrollView::frameChanged()
vfunc[118]:	QScrollView::setResizePolicy(QScroll View::ResizePolicy)
vfunc[119]:	QScrollView::addChild(QWidget*, int, int)
vfunc[120]:	QScrollView::moveChild(QWidget*, int, int)
vfunc[121]:	QScrollView::setVScrollBarMode(QS crollView::ScrollBarMode)
vfunc[122]:	QScrollView::setHScrollBarMode(QS crollView::ScrollBarMode)
vfunc[123]:	QScrollView::setCornerWidget(QWi dget*)
vfunc[124]:	QScrollView::setDragAutoScroll(bool)
vfunc[125]:	QScrollView::resizeContents(int, int)
vfunc[126]:	QScrollView::setContentsPos(int, int)
vfunc[127]:	QTextEdit::drawContents(QPainter*, int, int, int, int)
vfunc[128]:	QScrollView::drawContentsOffset(Q Painter*, int, int, int, int, int, int)
vfunc[129]:	QTextEdit::contentsMousePressEvent (QMouseEvent*)
vfunc[130]:	QTextEdit::contentsMouseReleaseEv

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	ent(QMouseEvent*)
vfunc[131]:	QTextEdit::contentsMouseDoubleClickEvent(QMouseEvent*)
vfunc[132]:	QTextEdit::contentsMouseMoveEvent(QMouseEvent*)
vfunc[133]:	QTextEdit::contentsDragEnterEvent(QDragEnterEvent*)
vfunc[134]:	QTextEdit::contentsDragMoveEvent(QDragMoveEvent*)
vfunc[135]:	QTextEdit::contentsDragLeaveEvent(QDragLeaveEvent*)
vfunc[136]:	QTextEdit::contentsDropEvent(QDropEvent*)
vfunc[137]:	QTextEdit::contentsWheelEvent(QWheelEvent*)
vfunc[138]:	QTextEdit::contentsContextMenuEvent(QContextMenuEvent*)
vfunc[139]:	QScrollView::viewportPaintEvent(QPaintEvent*)
vfunc[140]:	QTextEdit::viewportResizeEvent(QResizeEvent*)
vfunc[141]:	QScrollView::viewportMousePressEvent(QMouseEvent*)
vfunc[142]:	QScrollView::viewportMouseReleaseEvent(QMouseEvent*)
vfunc[143]:	QScrollView::viewportMouseDoubleClickEvent(QMouseEvent*)
vfunc[144]:	QScrollView::viewportMouseMoveEvent(QMouseEvent*)
vfunc[145]:	QScrollView::viewportDragEnterEvent(QDragEnterEvent*)
vfunc[146]:	QScrollView::viewportDragMoveEvent(QDragMoveEvent*)
vfunc[147]:	QScrollView::viewportDragLeaveEvent(QDragLeaveEvent*)
vfunc[148]:	QScrollView::viewportDropEvent(QDropEvent*)
vfunc[149]:	QScrollView::viewportWheelEvent(QWheelEvent*)
vfunc[150]:	QScrollView::viewportContextMenuEvent(QContextMenuEvent*)
vfunc[151]:	QScrollView::setMargins(int, int, int,

	int)
vfunc[152]:	QScrollView::setHBarGeometry(QScrollBar&, int, int, int, int)
vfunc[153]:	QScrollView::setVBarGeometry(QScrollBar&, int, int, int, int)
vfunc[154]:	QTextEdit::find(QString const&, bool, bool, bool, int*, int*)
vfunc[155]:	QTextEdit::getFormat(int, int, QFont*, QColor*, QTextEdit::VerticalAlignment*)
vfunc[156]:	QTextEdit::getParagraphFormat(int, QFont*, QColor*, QTextEdit::VerticalAlignment*, int*, QStyleSheetItem::DisplayMode*, QStyleSheetItem::ListStyle*, int*)
vfunc[157]:	QTextEdit::setMimeSourceFactory(QMimeSourceFactory*)
vfunc[158]:	QTextEdit::setStyleSheet(QStyleSheet*)
vfunc[159]:	QTextEdit::scrollToAnchor(QString const&)
vfunc[160]:	QTextEdit::setPaper(QBrush const&)
vfunc[161]:	QTextEdit::setLinkUnderline(bool)
vfunc[162]:	QTextEdit::setWordWrap(QTextEdit::WordWrap)
vfunc[163]:	QTextEdit::setWrapColumnOrWidth(int)
vfunc[164]:	QTextEdit::setWrapPolicy(QTextEdit::WrapPolicy)
vfunc[165]:	QTextEdit::copy()
vfunc[166]:	QTextEdit::append(QString const&)
vfunc[167]:	QTextEdit::setText(QString const&, QString const&)
vfunc[168]:	QTextEdit::setTextFormat(Qt::TextFormat)
vfunc[169]:	QTextEdit::selectAll(bool)
vfunc[170]:	QTextEdit::setTabStopWidth(int)
vfunc[171]:	QTextEdit::zoomIn(int)
vfunc[172]:	QTextEdit::zoomIn()
vfunc[173]:	QTextEdit::zoomOut(int)
vfunc[174]:	QTextEdit::zoomOut()

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vfunc[175]:	QTextEdit::zoomTo(int)
vfunc[176]:	QTextEdit::sync()
vfunc[177]:	QTextEdit::setReadOnly(bool)
vfunc[178]:	QTextEdit::undo()
vfunc[179]:	QTextEdit::redo()
vfunc[180]:	QTextEdit::cut()
vfunc[181]:	QTextEdit::paste()
vfunc[182]:	QTextEdit::pasteSubType(QCString const&)
vfunc[183]:	QTextEdit::clear()
vfunc[184]:	QTextEdit::del()
vfunc[185]:	QTextEdit::indent()
vfunc[186]:	QTextEdit::setItalic(bool)
vfunc[187]:	QTextEdit::setBold(bool)
vfunc[188]:	QTextEdit::setUnderline(bool)
vfunc[189]:	QTextEdit::setFamily(QString const&)
vfunc[190]:	QTextEdit::setPointSize(int)
vfunc[191]:	QTextEdit::setColor(QColor const&)
vfunc[192]:	QTextEdit::setVerticalAlignment(QTextEdit::VerticalAlignment)
vfunc[193]:	QTextEdit::setAlignment(int)
vfunc[194]:	QTextEdit::setParagType(QStyleSheetItem::DisplayMode, QStyleSheetItem::ListStyle)
vfunc[195]:	QTextEdit::setCursorPosition(int, int)
vfunc[196]:	QTextEdit::setSelection(int, int, int, int, int)
vfunc[197]:	QTextEdit::setSelectionAttributes(int, QColor const&, bool)
vfunc[198]:	QTextEdit::setModified(bool)
vfunc[199]:	QTextEdit::resetFormat()
vfunc[200]:	QTextEdit::setUndoDepth(int)
vfunc[201]:	QTextEdit::setFormat(QTextFormat*, int)
vfunc[202]:	QTextEdit::ensureCursorVisible()
vfunc[203]:	QTextEdit::placeCursor(QPoint const&, QTextCursor*)

vfunc[204]:	QTextEdit::moveCursor(QTextEdit::CursorAction, bool)
vfunc[205]:	QTextEdit::doKeyboardAction(QTextEdit::KeyboardAction)
vfunc[206]:	QTextEdit::removeSelectedText(int)
vfunc[207]:	QTextEdit::removeSelection(int)
vfunc[208]:	QTextEdit::setCurrentFont(QFont const&)
vfunc[209]:	QTextEdit::setOverwriteMode(bool)
vfunc[210]:	QTextEdit::scrollToBottom()
vfunc[211]:	QTextEdit::insert(QString const&, bool, bool, bool)
vfunc[212]:	QTextEdit::insertAt(QString const&, int, int)
vfunc[213]:	QTextEdit::removeParagraph(int)
vfunc[214]:	QTextEdit::insertParagraph(QString const&, int)
vfunc[215]:	QTextEdit::setParagraphBackgroundColor(int, QColor const&)
vfunc[216]:	QTextEdit::clearParagraphBackground(int)
vfunc[217]:	QTextEdit::setUndoRedoEnabled(bool)
vfunc[218]:	QTextEdit::createPopupMenu(QPoint const&)
vfunc[219]:	QTextEdit::createPopupMenu()
vfunc[220]:	QTextEdit::doChangeInterval()
vfunc[221]:	QTextEdit::linksEnabled() const
vfunc[222]:	QTextEdit::emitHighlighted(QString const&)
vfunc[223]:	QTextEdit::emitLinkClicked(QString const&)

The Run Time Type Information for the QTextEdit class is described by Table 13-589

Table 13-589 typeinfo for QTextEdit

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QTextEdit
basetype:	typeinfo for QScrollView

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13.2.1.295 Class data for QFileIconProvider

The virtual table for the QFileIconProvider class is described by Table 13-590

Table 13-590 Primary vtable for QFileIconProvider

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QFileIconProvider
vfunc[0]:	QFileIconProvider::metaObject() const
vfunc[1]:	QFileIconProvider::className() const
vfunc[2]:	QFileIconProvider::qt_cast(char const*)
vfunc[3]:	QFileIconProvider::qt_invoke(int, QUObject*)
vfunc[4]:	QFileIconProvider::qt_emit(int, QUObject*)
vfunc[5]:	QFileIconProvider::qt_property(int, int, QVariant*)
vfunc[6]:	QFileIconProvider::~QFileIconProvider()
vfunc[7]:	QFileIconProvider::~QFileIconProvider()
vfunc[8]:	QObject::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QObject::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QObject::childEvent(QChildEvent*)
vfunc[17]:	QObject::customEvent(QCustomEvent*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char

	const*, QObject const*, char const*)
vfunc[21]:	QFileIconProvider::pixmap(QFileInfo const&)

The Run Time Type Information for the QFileIconProvider class is described by Table 13-591

Table 13-591 typeinfo for QFileIconProvider

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QFileIconProvider
basetype:	typeinfo for QObject

13.2.1.296 Class data for QSqlIndex

The virtual table for the QSqlIndex class is described by Table 13-592

Table 13-592 Primary vtable for QSqlIndex

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSqlIndex
vfunc[0]:	QSqlIndex::~QSqlIndex()
vfunc[1]:	QSqlIndex::~QSqlIndex()
vfunc[2]:	QSqlRecord::value(int) const
vfunc[3]:	QSqlRecord::value(QString const&) const
vfunc[4]:	QSqlRecord::setValue(int, QVariant const&)
vfunc[5]:	QSqlRecord::setValue(QString const&, QVariant const&)
vfunc[6]:	QSqlRecord::setGenerated(QString const&, bool)
vfunc[7]:	QSqlRecord::setGenerated(int, bool)
vfunc[8]:	QSqlRecord::setNull(int)
vfunc[9]:	QSqlRecord::setNull(QString const&)
vfunc[10]:	QSqlIndex::append(QSqlField const&)
vfunc[11]:	QSqlRecord::insert(int, QSqlField const&)
vfunc[12]:	QSqlRecord::remove(int)
vfunc[13]:	QSqlRecord::clear()
vfunc[14]:	QSqlRecord::clearValues(bool)

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vfunc[15]:	QSqlRecord::toString(QString const&, QString const&) const
vfunc[16]:	QSqlRecord::toStringList(QString const&) const
vfunc[17]:	QSqlIndex::setCursorName(QString const&)
vfunc[18]:	QSqlIndex::setName(QString const&)
vfunc[19]:	QSqlIndex::append(QSqlField const&, bool)
vfunc[20]:	QSqlIndex::setDescending(int, bool)

The Run Time Type Information for the QSqlIndex class is described by Table 13-593

Table 13-593 typeinfo for QSqlIndex

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QSqlIndex
basetype:	typeinfo for QSqlRecord

13.2.1.297 Class data for QSqlField

The virtual table for the QSqlField class is described by Table 13-594

Table 13-594 Primary vtable for QSqlField

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QSqlField
vfunc[0]:	QSqlField::~QSqlField()
vfunc[1]:	QSqlField::~QSqlField()
vfunc[2]:	QSqlField::setValue(QVariant const&)
vfunc[3]:	QSqlField::value() const
vfunc[4]:	QSqlField::setName(QString const&)
vfunc[5]:	QSqlField::setNull()
vfunc[6]:	QSqlField::setReadOnly(bool)

The Run Time Type Information for the QSqlField class is described by Table 13-595

Table 13-595 typeinfo for QSqlField

Base Vtable	vtable for __cxxabiv1::__class_type_info

Name	typeinfo name for QSqlField

13.2.1.298 Class data for QVGroupBox

The virtual table for the QVGroupBox class is described by Table 13-596

Table 13-596 Primary vtable for QVGroupBox

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for QVGroupBox
vfunc[0]:	QVGroupBox::metaObject() const
vfunc[1]:	QVGroupBox::className() const
vfunc[2]:	QVGroupBox::qt_cast(char const*)
vfunc[3]:	QVGroupBox::qt_invoke(int, QUObject*)
vfunc[4]:	QVGroupBox::qt_emit(int, QUObject*)
vfunc[5]:	QVGroupBox::qt_property(int, int, QVariant*)
vfunc[6]:	QVGroupBox::~QVGroupBox()
vfunc[7]:	QVGroupBox::~QVGroupBox()
vfunc[8]:	QGroupBox::event(QEvent*)
vfunc[9]:	QObject::eventFilter(QObject*, QEvent*)
vfunc[10]:	QWidget::setName(char const*)
vfunc[11]:	QObject::insertChild(QObject*)
vfunc[12]:	QObject::removeChild(QObject*)
vfunc[13]:	QObject::setProperty(char const*, QVariant const&)
vfunc[14]:	QObject::property(char const*) const
vfunc[15]:	QObject::timerEvent(QTimerEvent*)
vfunc[16]:	QGroupBox::childEvent(QChildEven t*)
vfunc[17]:	QObject::customEvent(QCustomEve nt*)
vfunc[18]:	QObject::connectNotify(char const*)
vfunc[19]:	QObject::disconnectNotify(char const*)
vfunc[20]:	QObject::checkConnectArgs(char const*, QObject const*, char const*)

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vfunc[21]:	QGroupBox::setEnabled(bool)
vfunc[22]:	QWidget::setMinimumSize(int, int)
vfunc[23]:	QWidget::setMaximumSize(int, int)
vfunc[24]:	QWidget::setSizeIncrement(int, int)
vfunc[25]:	QWidget::setBackgroundMode(Qt::BackgroundMode)
vfunc[26]:	QWidget::setEraseColor(QColor const&)
vfunc[27]:	QWidget::setErasePixmap(QPixmap const&)
vfunc[28]:	QWidget::setPalette(QPalette const&)
vfunc[29]:	QWidget::setPaletteBackgroundColor(QColor const&)
vfunc[30]:	QWidget::setPaletteBackgroundPixmap(QPixmap const&)
vfunc[31]:	QWidget::setFont(QFont const&)
vfunc[32]:	QWidget::setCursor(QCursor const&)
vfunc[33]:	QWidget::unsetCursor()
vfunc[34]:	QWidget::setMask(QBitmap const&)
vfunc[35]:	QWidget::setMask(QRegion const&)
vfunc[36]:	QWidget::setBackgroundColor(QColor const&)
vfunc[37]:	QWidget::setBackgroundPixmap(QPixmap const&)
vfunc[38]:	QWidget::setCaption(QString const&)
vfunc[39]:	QWidget::setIcon(QPixmap const&)
vfunc[40]:	QWidget::setIconText(QString const&)
vfunc[41]:	QWidget::setMouseTracking(bool)
vfunc[42]:	QWidget::setFocus()
vfunc[43]:	QWidget::setActiveWindow()
vfunc[44]:	QWidget::setFocusPolicy(QWidget::FocusPolicy)
vfunc[45]:	QWidget::setFocusProxy(QWidget*)
vfunc[46]:	QWidget::setUpdatesEnabled(bool)
vfunc[47]:	QWidget::show()

vfunc[48]:	QWidget::hide()
vfunc[49]:	QWidget::showMinimized()
vfunc[50]:	QWidget::showMaximized()
vfunc[51]:	QWidget::showNormal()
vfunc[52]:	QWidget::polish()
vfunc[53]:	QWidget::move(int, int)
vfunc[54]:	QWidget::resize(int, int)
vfunc[55]:	QWidget::setGeometry(int, int, int, int)
vfunc[56]:	QWidget::setGeometry(QRect const&)
vfunc[57]:	QWidget::close(bool)
vfunc[58]:	QGroupBox::sizeHint() const
vfunc[59]:	QWidget::minimumSizeHint() const
vfunc[60]:	QWidget::sizePolicy() const
vfunc[61]:	QWidget::setSizePolicy(QSizePolicy)
vfunc[62]:	QWidget::heightForWidth(int) const
vfunc[63]:	QWidget::adjustSize()
vfunc[64]:	QWidget::reparent(QWidget*, unsigned int, QPoint const&, bool)
vfunc[65]:	QWidget::setAcceptDrops(bool)
vfunc[66]:	QWidget::setAutoMask(bool)
vfunc[67]:	QWidget::setBackgroundOrigin(QWidget::BackgroundOrigin)
vfunc[68]:	QWidget::customWhatsThis() const
vfunc[69]:	QWidget::mousePressEvent(QMouseEvent*)
vfunc[70]:	QWidget::mouseReleaseEvent(QMouseEvent*)
vfunc[71]:	QWidget::mouseDoubleClickEvent(QMouseEvent*)
vfunc[72]:	QWidget::mouseMoveEvent(QMouseEvent*)
vfunc[73]:	QWidget::wheelEvent(QWheelEvent*)
vfunc[74]:	QWidget::keyPressEvent(QKeyEvent*)
vfunc[75]:	QWidget::keyReleaseEvent(QKeyEve

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	nt*)
vfunc[76]:	QGroupBox::focusInEvent(QFocusEvent*)
vfunc[77]:	QWidget::focusOutEvent(QFocusEvent*)
vfunc[78]:	QWidget::enterEvent(QEvent*)
vfunc[79]:	QWidget::leaveEvent(QEvent*)
vfunc[80]:	QGroupBox::paintEvent(QPaintEvent*)
vfunc[81]:	QWidget::moveEvent(QMoveEvent*)
vfunc[82]:	QGroupBox::resizeEvent(QResizeEvent*)
vfunc[83]:	QWidget::closeEvent(QCloseEvent*)
vfunc[84]:	QWidget::contextMenuEvent(QContextMenuEvent*)
vfunc[85]:	QWidget::imStartEvent(QIMEvent*)
vfunc[86]:	QWidget::imComposeEvent(QIMEvent*)
vfunc[87]:	QWidget::imEndEvent(QIMEvent*)
vfunc[88]:	QWidget::tabletEvent(QTabletEvent*)
vfunc[89]:	QWidget::dragEnterEvent(QDragEnterEvent*)
vfunc[90]:	QWidget::dragMoveEvent(QDragMoveEvent*)
vfunc[91]:	QWidget::dragLeaveEvent(QDragLeaveEvent*)
vfunc[92]:	QWidget::dropEvent(QDropEvent*)
vfunc[93]:	QWidget::showEvent(QShowEvent*)
vfunc[94]:	QWidget::hideEvent(QHideEvent*)
vfunc[95]:	QWidget::x11Event(_XEvent*)
vfunc[96]:	QWidget::updateMask()
vfunc[97]:	QFrame::styleChange(QStyle&)
vfunc[98]:	QWidget::enabledChange(bool)
vfunc[99]:	QWidget::paletteChange(QPalette const&)
vfunc[100]:	QGroupBox::fontChange(QFont const&)
vfunc[101]:	QWidget::windowActivationChange(

	bool)
vfunc[102]:	QWidget::metric(int) const
vfunc[103]:	QWidget::create(unsigned long, bool, bool)
vfunc[104]:	QWidget::destroy(bool, bool)
vfunc[105]:	QWidget::setWState(unsigned int)
vfunc[106]:	QWidget::setWFlags(unsigned int)
vfunc[107]:	QWidget::focusNextPrevChild(bool)
vfunc[108]:	QWidget::setKeyCompression(bool)
vfunc[109]:	QWidget::setMicroFocusHint(int, int, int, int, bool, QFont*)
vfunc[110]:	QFrame::setFrameStyle(int)
vfunc[111]:	QFrame::setLineWidth(int)
vfunc[112]:	QFrame::setMargin(int)
vfunc[113]:	QFrame::setMidLineWidth(int)
vfunc[114]:	QFrame::setFrameRect(QRect const&)
vfunc[115]:	QFrame::drawFrame(QPainter*)
vfunc[116]:	QFrame::drawContents(QPainter*)
vfunc[117]:	QFrame::frameChanged()
vfunc[118]:	QGroupBox::setColumnLayout(int, Qt::Orientation)
vfunc[119]:	QGroupBox::setTitle(QString const&)
vfunc[120]:	QGroupBox::setAlignment(int)

The Run Time Type Information for the QVGroupBox class is described by Table 13-597

Table 13-597 typeinfo for QVGroupBox

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QVGroupBox
basetype:	typeinfo for QGroupBox

13.2.1.299 Class data for QCloseEvent

The virtual table for the QCloseEvent class is described by Table 13-598

Table 13-598 Primary vtable for QCloseEvent

Base Offset	0
Virtual Base Offset	0

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RTTI	typeinfo for QCloseEvent
vfunc[0]:	QCloseEvent::~QCloseEvent()
vfunc[1]:	QCloseEvent::~QCloseEvent()

The Run Time Type Information for the QCloseEvent class is described by Table 13-599

Table 13-599 typeinfo for QCloseEvent

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for QCloseEvent
basetype:	typeinfo for QEvent

13.2.1.300 Interfaces for Qt

An LSB conforming implementation shall provide the generic functions for Qt specified in Table 13-600, with the full mandatory functionality as described in the referenced underlying specification.

Table 13-600 libqt-mt - Qt Function Interfaces

_Z10qDrawArrowP8QPainterN2Qt9ArrowTypeENS1_8GUIStyleEbiiiiRK11QColorGroupb [qt-mt]	_Z10qt_xscreenv [qt-mt]
_Z11qFadeEffectP7QWidgeti [qt-mt]	_Z11qUncompressPKhi [qt-mt]
_Z11qt_xdisplayv [qt-mt]	_Z11qt_xrootwini [qt-mt]
_Z11qt_xrootwinv [qt-mt]	_Z12qInstallPathv [qt-mt]
_Z12qSharedBuildv [qt-mt]	_Z12qt_try_modalP7QWidgetP7_XEvent [qt-mt]
_Z13qDrawWinPanelP8QPainterRK5QRectRK11QColorGroupbPK6QBrush [qt-mt]	_Z13qDrawWinPanelP8QPainteriiiiRK11QColorGroupbPK6QBrush [qt-mt]
_Z13qScrollEffectP7QWidgetji [qt-mt]	_Z13qSmartMaxSizeP7QWidgeti [qt-mt]
_Z13qSmartMaxSizePK11QWidgetItemi [qt-mt]	_Z13qSmartMinSizeP7QWidget [qt-mt]
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_Z14qDrawPlainRectP8QPainteriiiiRK6QColoriPK6QBrush [qt-mt]	_Z14qDrawShadeLineP8QPainterRK6QPointS3_RK11QColorGroupbii [qt-mt]
_Z14qDrawShadeLineP8QPainteriiiiRK11QColorGroupbii [qt-mt]	_Z14qDrawShadeRectP8QPainterRK5QRectRK11QColorGroupbiiPK6QBrush [qt-mt]
_Z14qDrawShadeRectP8QPainteriiii	_Z14qDrawWinButtonP8QPainterRK

RK11QColorGroupbiiPK6QBrush [qt-mt]	5QRectRK11QColorGroupbPK6QBrush [qt-mt]
_Z14qDrawWinButtonP8QPainteriiiiRK11QColorGroupbPK6QBrush [qt-mt]	_Z14qSystemWarningPKci [qt-mt]
_Z14qt_enter_modalP7QWidget [qt-mt]	_Z14qt_inheritedByP11QMetaObjectPK7QObject [qt-mt]
_Z14qt_leave_modalP7QWidget [qt-mt]	_Z14qt_modal_statev [qt-mt]
_Z15qAddPostRoutinePFvvE [qt-mt]	_Z15qDrawShadePanelP8QPainterRK5QRectRK11QColorGroupbiPK6QBrush [qt-mt]
_Z15qDrawShadePanelP8QPainteriiiiRK11QColorGroupbiPK6QBrush [qt-mt]	_Z15qSqlOpenExtDictv [qt-mt]
_Z15qt_xget_temp_gcib [qt-mt]	_Z16qInstallPathBinsv [qt-mt]
_Z16qInstallPathDatav [qt-mt]	_Z16qInstallPathDocsv [qt-mt]
_Z16qInstallPathLibsv [qt-mt]	_Z16qt_check_pointerbPKci [qt-mt]
_Z16qt_generate_epsfb [qt-mt]	_Z16qt_tryAccelEventP7QWidgetP9QKeyEvent [qt-mt]
_Z17qSqlDriverExtDictv [qt-mt]	_Z17qt_find_obj_childP7QObjectPKcS2_ [qt-mt]
_Z17qt_tryModalHelperP7QWidgetPS0_ [qt-mt]	_Z17qt_ucm_initializeP12QApplication [qt-mt]
_Z18qInstallMsgHandlerPFv9QtMsgTypePKcE [qt-mt]	_Z18qRemovePostRoutinePFvvE [qt-mt]
_Z19qInstallPathHeadersv [qt-mt]	_Z19qInstallPathPluginsv [qt-mt]
_Z19qInstallPathSysconfv [qt-mt]	_Z19qt_xget_readonly_gcib [qt-mt]
_Z20qt_tryComposeUnicodeP7QWidgetP9QKeyEvent [qt-mt]	_Z21qInitNetworkProtocolsv [qt-mt]
_Z21qt_dispatchAccelEventP7QWidgetP9QKeyEvent [qt-mt]	_Z21qt_dispatchEnterLeaveP7QWidgetS0_ [qt-mt]
_Z21qt_x11_enforce_cursorP7QWidget [qt-mt]	_Z23qt_set_x11_event_filterPFiP7_XEventE [qt-mt]
_Z24qInstallPathTranslationsv [qt-mt]	_Z24qt_setAccelAutoShortcutsb [qt-mt]
_Z25qSuppressObsoleteWarningsb [qt-mt]	_Z26qt_wait_for_window_managerP7QWidget [qt-mt]
_Z28qt_get_application_thread_idv [qt-mt]	_Z28qt_set_table_clipper_enabledb [qt-mt]
_Z2wsR11QTextStream [qt-mt]	_Z3binR11QTextStream [qt-mt]

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_Z3decR11QTextStream [qt-mt]	_Z3hexR11QTextStream [qt-mt]
_Z3octR11QTextStream [qt-mt]	_Z4endlR11QTextStream [qt-mt]
_Z5debugPKcz [qt-mt]	_Z5fatalPKcz [qt-mt]
_Z5flushR11QTextStream [qt-mt]	_Z5resetR11QTextStream [qt-mt]
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_Z6bitBltP6QImageiiPKS_iiiii [qt-mt]	_Z6qDebugPKcz [qt-mt]
_Z6qFatalPKcz [qt-mt]	_Z7copyBltP7QPixmapiiPKS_iiii [qt-mt]
_Z7qstrdupPKc [qt-mt]	_Z7warningPKcz [qt-mt]
_Z8qAppNamev [qt-mt]	_Z8qSysInfoPiPb [qt-mt]
_Z8qVersionv [qt-mt]	_Z8qWarningPKcz [qt-mt]
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_Z8qstrncpyPcPKcj [qt-mt]	_Z9qAppClassv [qt-mt]
_Z9qChecksumPKcj [qt-mt]	_Z9qCompressPKhi [qt-mt]
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_Z9qItemRectP8QPainterN2Qt8GUIStyleEiiiiibPK7QPixmapRK7QStringi [qt-mt]	_Z9qObsoletePKc [qt-mt]
Z9qObsoletePKcS0 [qt-mt]	_Z9qObsoletePKcS0_S0_ [qt-mt]
_Z9qstrnicmpPKcS0_j [qt-mt]	_ZN10QBoxLayout10addSpacingEi [qt-mt]
_ZN10QBoxLayout10addStretchEi [qt-mt]	_ZN10QBoxLayout10findWidgetEP7QWidget [qt-mt]
_ZN10QBoxLayout10insertItemEiP11QLayoutItem [qt-mt]	_ZN10QBoxLayout10invalidateEv [qt-mt]
_ZN10QBoxLayout11qt_propertyEiiP8QVariant [qt-mt]	_ZN10QBoxLayout11setGeometryERK5QRect [qt-mt]
_ZN10QBoxLayout12insertLayoutEiP7QLayouti [qt-mt]	_ZN10QBoxLayout12insertWidgetEiP7QWidgetii [qt-mt]
_ZN10QBoxLayout12setDirectionENS_9DirectionE [qt-mt]	_ZN10QBoxLayout13createTmpCopyEv [qt-mt]
_ZN10QBoxLayout13insertSpacingEii [qt-mt]	_ZN10QBoxLayout13insertStretchEii [qt-mt]
_ZN10QBoxLayout16setStretchFactorEP7QLayouti [qt-mt]	_ZN10QBoxLayout16setStretchFactorEP7QWidgeti [qt-mt]
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_ZN10QBoxLayout7addItemEP11QLayoutItem [qt-mt]	_ZN10QBoxLayout7calcHfwEi [qt-mt]
_ZN10QBoxLayout7qt_castEPKc [qt-mt]	_ZN10QBoxLayout7qt_emitEiP8QUObject [qt-mt]
_ZN10QBoxLayout8addStrutEi [qt-mt]	_ZN10QBoxLayout8iteratorEv [qt-mt]
_ZN10QBoxLayout9addLayoutEP7QLayouti [qt-mt]	_ZN10QBoxLayout9addWidgetEP7QWidgetii [qt-mt]
_ZN10QBoxLayout9qt_invokeEiP8QUObject [qt-mt]	_ZN10QBoxLayout9setupGeomEv [qt-mt]
_ZN10QBoxLayoutC1ENS_9DirectionEiPKc [qt-mt]	_ZN10QBoxLayoutC1EP7QLayoutNS_9DirectionEiPKc [qt-mt]
_ZN10QBoxLayoutC1EP7QWidgetNS_9DirectionEiiPKc [qt-mt]	_ZN10QBoxLayoutC2ENS_9DirectionEiPKc [qt-mt]
_ZN10QBoxLayoutC2EP7QLayoutNS_9DirectionEiPKc [qt-mt]	_ZN10QBoxLayoutC2EP7QWidgetNS_9DirectionEiiPKc [qt-mt]
_ZN10QBoxLayoutD0Ev [qt-mt]	_ZN10QBoxLayoutD1Ev [qt-mt]
_ZN10QBoxLayoutD2Ev [qt-mt]	_ZN10QClipboard11dataChangedEv [qt-mt]
_ZN10QClipboard11qt_propertyEiiP8QVariant [qt-mt]	_ZN10QClipboard13connectNotifyEPKc [qt-mt]
_ZN10QClipboard14ownerDestroyedEv [qt-mt]	_ZN10QClipboard16selectionChangedEv [qt-mt]
_ZN10QClipboard16setSelectionModeEb [qt-mt]	_ZN10QClipboard16staticMetaObjectEv [qt-mt]
_ZN10QClipboard18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN10QClipboard2trEPKcS1_ [qt-mt]
_ZN10QClipboard5clearENS_4ModeE [qt-mt]	_ZN10QClipboard5clearEv [qt-mt]
_ZN10QClipboard5eventEP6QEvent [qt-mt]	_ZN10QClipboard6trUtf8EPKcS1_ [qt-mt]
_ZN10QClipboard7qt_castEPKc [qt-mt]	_ZN10QClipboard7qt_emitEiP8QUObject [qt-mt]
_ZN10QClipboard7setDataEP11QMimeSource [qt-mt]	_ZN10QClipboard7setDataEP11QMimeSourceNS_4ModeE [qt-mt]
_ZN10QClipboard7setTextERK7QString [qt-mt]	_ZN10QClipboard7setTextERK7QStringNS_4ModeE [qt-mt]
_ZN10QClipboard8setImageERK6QImage [qt-mt]	_ZN10QClipboard8setImageERK6QImageNS_4ModeE [qt-mt]

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_ZN10QClipboard9qt_invokeEiP8QUObject [qt-mt]	_ZN10QClipboard9setPixmapERK7QPixmap [qt-mt]
_ZN10QClipboard9setPixmapERK7QPixmapNS_4ModeE [qt-mt]	_ZN10QClipboardC1EP7QObjectPKc [qt-mt]
_ZN10QClipboardC2EP7QObjectPKc [qt-mt]	_ZN10QClipboardD0Ev [qt-mt]
_ZN10QClipboardD1Ev [qt-mt]	_ZN10QClipboardD2Ev [qt-mt]
_ZN10QColorDrag11qt_propertyEiiP8QVariant [qt-mt]	_ZN10QColorDrag16staticMetaObjectEv [qt-mt]
_ZN10QColorDrag18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN10QColorDrag2trEPKcS1_ [qt-mt]
_ZN10QColorDrag6decodeEP11QMimeSourceR6QColor [qt-mt]	_ZN10QColorDrag6trUtf8EPKcS1_ [qt-mt]
_ZN10QColorDrag7qt_castEPKc [qt-mt]	_ZN10QColorDrag7qt_emitEiP8QUObject [qt-mt]
_ZN10QColorDrag8setColorERK6QColor [qt-mt]	_ZN10QColorDrag9canDecodeEP11QMimeSource [qt-mt]
_ZN10QColorDrag9qt_invokeEiP8QUObject [qt-mt]	_ZN10QColorDragC1EP7QWidgetPKc [qt-mt]
_ZN10QColorDragC1ERK6QColorP7QWidgetPKc [qt-mt]	_ZN10QColorDragC2EP7QWidgetPKc [qt-mt]
_ZN10QColorDragC2ERK6QColorP7QWidgetPKc [qt-mt]	_ZN10QDataTable10findBufferERK9QSqlIndexi [qt-mt]
_ZN10QDataTable10hideColumnEi [qt-mt]	_ZN10QDataTable10paintFieldEP8QPainterPK9QSqlFieldRK5QRectb [qt-mt]
_ZN10QDataTable10resizeDataEi [qt-mt]	_ZN10QDataTable10setNumColsEi [qt-mt]
_ZN10QDataTable10setNumRowsEi [qt-mt]	_ZN10QDataTable10showColumnEi [qt-mt]
_ZN10QDataTable10sortColumnEibb [qt-mt]	_ZN10QDataTable11beginInsertEv [qt-mt]
_ZN10QDataTable11beginUpdateEiib [qt-mt]	_ZN10QDataTable11confirmEditEN4QSql2OpE [qt-mt]
_ZN10QDataTable11eventFilterEP7QObjectP6QEvent [qt-mt]	_ZN10QDataTable11handleErrorERK9QSqlError [qt-mt]
_ZN10QDataTable11primeDeleteEP10QSqlRecord [qt-mt]	_ZN10QDataTable11primeInsertEP10QSqlRecord [qt-mt]
_ZN10QDataTable11primeUpdateEP10QSqlRecord [qt-mt]	_ZN10QDataTable11qt_propertyEiiP8QVariant [qt-mt]
_ZN10QDataTable11repaintCellEii [qt-mt]	_ZN10QDataTable11resizeEventEP12QResizeEvent [qt-mt]

_ZN10QDataTable11setAutoEditEb [qt-mt]	_ZN10QDataTable11setNullTextERK7QString [qt-mt]
_ZN10QDataTable11setTrueTextERK7QString [qt-mt]	_ZN10QDataTable11swapColumnsEiib [qt-mt]
_ZN10QDataTable12adjustColumnEi [qt-mt]	_ZN10QDataTable12beforeDeleteEP10QSqlRecord [qt-mt]
_ZN10QDataTable12beforeInsertEP10QSqlRecord [qt-mt]	_ZN10QDataTable12beforeUpdateEP10QSqlRecord [qt-mt]
_ZN10QDataTable12drawContentsEP8QPainteriiii [qt-mt]	_ZN10QDataTable12loadNextPageEv [qt-mt]
_ZN10QDataTable12removeColumnEj [qt-mt]	_ZN10QDataTable12setFalseTextERK7QString [qt-mt]
_ZN10QDataTable12setSqlCursorEP10QSqlCursorbb [qt-mt]	_ZN10QDataTable13columnClickedEi [qt-mt]
_ZN10QDataTable13confirmCancelEN4QSql2OpE [qt-mt]	_ZN10QDataTable13cursorChangedEN4QSql2OpE [qt-mt]
_ZN10QDataTable13deleteCurrentEv [qt-mt]	_ZN10QDataTable13fieldToStringEPK9QSqlField [qt-mt]
_ZN10QDataTable13insertCurrentEv [qt-mt]	_ZN10QDataTable13keyPressEventEP9QKeyEvent [qt-mt]
_ZN10QDataTable13setAutoDeleteEb [qt-mt]	_ZN10QDataTable13setDateFormatEN2Qt10DateFormatE [qt-mt]
_ZN10QDataTable13sliderPressedEv [qt-mt]	_ZN10QDataTable13sortAscendingEi [qt-mt]
_ZN10QDataTable13updateCurrentEv [qt-mt]	_ZN10QDataTable14currentChangedEP10QSqlRecord [qt-mt]
_ZN10QDataTable14fieldAlignmentEPK9QSqlField [qt-mt]	_ZN10QDataTable14setColumnWidthEii [qt-mt]
_ZN10QDataTable14sliderReleasedEv [qt-mt]	_ZN10QDataTable14sortDescendingEi [qt-mt]
_ZN10QDataTable15doInsertCurrentEv [qt-mt]	_ZN10QDataTable15doUpdateCurrentEv [qt-mt]
_ZN10QDataTable15setConfirmEditsEb [qt-mt]	_ZN10QDataTable16activateNextCellEv [qt-mt]
_ZN10QDataTable16setConfirmDeleteEb [qt-mt]	_ZN10QDataTable16setConfirmInsertEb [qt-mt]
_ZN10QDataTable16setConfirmUpdateEb [qt-mt]	_ZN10QDataTable16staticMetaObjectEv [qt-mt]
_ZN10QDataTable17setConfirmCancelsEb [qt-mt]	_ZN10QDataTable18installPropertyMapEP15QSqlPropertyMap [qt-mt]
_ZN10QDataTable18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN10QDataTable19setCurrentSelectionEii [qt-mt]

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_ZN10QDataTable20installEditorFactoryEP17QSqlEditorFactory [qt-mt]	_ZN10QDataTable20setColumnStretchableEib [qt-mt]
_ZN10QDataTable22updateCurrentSelectionEv [qt-mt]	_ZN10QDataTable23contentsMousePressEventEP11QMouseEvent [qt-mt]
_ZN10QDataTable24contentsContextMenuEventEP17QContextMenuEvent [qt-mt]	_ZN10QDataTable2trEPKcS1_ [qt-mt]
_ZN10QDataTable4findERK7QStringbb [qt-mt]	_ZN10QDataTable4initEv [qt-mt]
_ZN10QDataTable5resetEv [qt-mt]	_ZN10QDataTable6trUtf8EPKcS1_ [qt-mt]
_ZN10QDataTable7endEditEiibb [qt-mt]	_ZN10QDataTable7qt_castEPKc [qt-mt]
_ZN10QDataTable7qt_emitEiP8QUObject [qt-mt]	_ZN10QDataTable7refreshENS_7RefreshE [qt-mt]
_ZN10QDataTable7refreshEv [qt-mt]	_ZN10QDataTable7setItemEiiP10QTableItem [qt-mt]
_ZN10QDataTable7setSizeEP10QSqlCursor [qt-mt]	_ZN10QDataTable7setSortERK11QStringList [qt-mt]
_ZN10QDataTable7setSortERK9QSqlIndex [qt-mt]	_ZN10QDataTable8takeItemEP10QTableItem [qt-mt]
_ZN10QDataTable9addColumnERK7QStringS2_iRK8QIconSet [qt-mt]	_ZN10QDataTable9beginEditEiib [qt-mt]
_ZN10QDataTable9clearCellEii [qt-mt]	_ZN10QDataTable9endInsertEv [qt-mt]
_ZN10QDataTable9endUpdateEv [qt-mt]	_ZN10QDataTable9paintCellEP8QPainteriiRK5QRectbRK11QColorGroup [qt-mt]
_ZN10QDataTable9qt_invokeEiP8QUObject [qt-mt]	_ZN10QDataTable9setColumnEjRK7QStringS2_iRK8QIconSet [qt-mt]
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_ZN10QDataTable9updateRowEi [qt-mt]	_ZN10QDataTableC1EP10QSqlCursorbP7QWidgetPKc [qt-mt]
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_ZN10QDataTableD1Ev [qt-mt]	_ZN10QDataTableD2Ev [qt-mt]
_ZN10QDomEntityC1EP17QDomEntityPrivate [qt-mt]	_ZN10QDomEntityC1ERKS_ [qt-mt]
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_ZN10QEventLoop11qt_propertyEiiP8QVariant [qt-mt]	_ZN10QEventLoop12aboutToBlockEv [qt-mt]
_ZN10QEventLoop13appStartingUpEv [qt-mt]	_ZN10QEventLoop13processEventsEj [qt-mt]
_ZN10QEventLoop13processEventsEji [qt-mt]	_ZN10QEventLoop14activateTimersEv [qt-mt]
_ZN10QEventLoop14appClosingDownEv [qt-mt]	_ZN10QEventLoop16staticMetaObjectEv [qt-mt]
_ZN10QEventLoop18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN10QEventLoop22registerSocketNotifierEP15QSocketNotifier [qt-mt]
_ZN10QEventLoop23activateSocketNotifiersEv [qt-mt]	_ZN10QEventLoop24setSocketNotifierPendingEP15QSocketNotifier [qt-mt]
_ZN10QEventLoop24unregisterSocketNotifierEP15QSocketNotifier [qt-mt]	_ZN10QEventLoop2trEPKcS1_ [qt-mt]
_ZN10QEventLoop4execEv [qt-mt]	_ZN10QEventLoop4exitEi [qt-mt]
_ZN10QEventLoop4initEv [qt-mt]	_ZN10QEventLoop5awakeEv [qt-mt]
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_ZN10QEventLoop7cleanupEv [qt-mt]	_ZN10QEventLoop7qt_castEPKc [qt-mt]
_ZN10QEventLoop7qt_emitEiP8QUObject [qt-mt]	_ZN10QEventLoop8exitLoopEv [qt-mt]
_ZN10QEventLoop9enterLoopEv [qt-mt]	_ZN10QEventLoop9qt_invokeEiP8QUObject [qt-mt]
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_ZN10QEventLoopD0Ev [qt-mt]	_ZN10QEventLoopD1Ev [qt-mt]
_ZN10QEventLoopD2Ev [qt-mt]	_ZN10QFocusData4homeEv [qt-mt]
_ZN10QFocusData4nextEv [qt-mt]	_ZN10QFocusData4prevEv [qt-mt]
_ZN10QGLContext11doneCurrentEv [qt-mt]	_ZN10QGLContext11makeCurrentEv [qt-mt]
_ZN10QGLContext12chooseVisualEv [qt-mt]	_ZN10QGLContext13chooseContextEPKS_ [qt-mt]
_ZN10QGLContext24generateFontDisplayListsERK5QFonti [qt-mt]	_ZN10QGLContext4initEP12QPaintDevice [qt-mt]

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_ZN10QGLContext5resetEv [qt-mt]	_ZN10QGLContext6createEPKS_ [qt-mt]
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_ZN10QGLContext9tryVisualERK9QGLFormati [qt-mt]	_ZN10QGLContextC1ERK9QGLFormat [qt-mt]
_ZN10QGLContextC1ERK9QGLFormatP12QPaintDevice [qt-mt]	_ZN10QGLContextC2ERK9QGLFormat [qt-mt]
_ZN10QGLContextC2ERK9QGLFormatP12QPaintDevice [qt-mt]	_ZN10QGLContextD0Ev [qt-mt]
_ZN10QGLContextD1Ev [qt-mt]	_ZN10QGLContextD2Ev [qt-mt]
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_ZN10QHGroupBox7qt_emitEiP8QUObject [qt-mt]	_ZN10QHGroupBox9qt_invokeEiP8QUObject [qt-mt]
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_ZN10QHGroupBoxD2Ev [qt-mt]	_ZN10QImageDrag11qt_propertyEiiP8QVariant [qt-mt]
_ZN10QImageDrag16staticMetaObjectEv [qt-mt]	_ZN10QImageDrag18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
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_ZN10QImageDrag6decodeEPK11QMimeSourceR7QPixmap [qt-mt]	_ZN10QImageDrag6trUtf8EPKcS1_ [qt-mt]
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_ZN10QImageDrag9qt_invokeEiP8QUObject [qt-mt]	_ZN10QImageDragC1E6QImageP7QWidgetPKc [qt-mt]
_ZN10QImageDragC1EP7QWidgetPKc [qt-mt]	_ZN10QImageDragC2E6QImageP7QWidgetPKc [qt-mt]
_ZN10QImageDragC2EP7QWidgetPKc [qt-mt]	_ZN10QImageDragD0Ev [qt-mt]

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_ZN10QLCDNumber10setDecModeEv [qt-mt]	_ZN10QLCDNumber10setHexModeEv [qt-mt]
_ZN10QLCDNumber10setOctModeEv [qt-mt]	_ZN10QLCDNumber11drawSegmentERK6QPointcR8QPainterib [qt-mt]
_ZN10QLCDNumber11qt_propertyEiiP8QVariant [qt-mt]	_ZN10QLCDNumber12drawContentsEP8QPainter [qt-mt]
_ZN10QLCDNumber12setNumDigitsEi [qt-mt]	_ZN10QLCDNumber15internalDisplayERK7QString [qt-mt]
_ZN10QLCDNumber15setSegmentStyleENS_12SegmentStyleE [qt-mt]	_ZN10QLCDNumber16staticMetaObjectEv [qt-mt]
_ZN10QLCDNumber17internalSetStringERK7QString [qt-mt]	_ZN10QLCDNumber18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
_ZN10QLCDNumber20setSmallDecimalPointEb [qt-mt]	_ZN10QLCDNumber2trEPKcS1_ [qt-mt]
_ZN10QLCDNumber4initEv [qt-mt]	_ZN10QLCDNumber6trUtf8EPKcS1_ [qt-mt]
_ZN10QLCDNumber7displayERK7QString [qt-mt]	_ZN10QLCDNumber7displayEd [qt-mt]
_ZN10QLCDNumber7displayEi [qt-mt]	_ZN10QLCDNumber7qt_castEPKc [qt-mt]
_ZN10QLCDNumber7qt_emitEiP8QUObject [qt-mt]	_ZN10QLCDNumber7setModeENS_4ModeE [qt-mt]
_ZN10QLCDNumber8overflowEv [qt-mt]	_ZN10QLCDNumber9drawDigitERK6QPointR8QPaintericc [qt-mt]
_ZN10QLCDNumber9qt_invokeEiP8QUObject [qt-mt]	_ZN10QLCDNumberC1EP7QWidgetPKc [qt-mt]
_ZN10QLCDNumberC1EjP7QWidgetPKc [qt-mt]	_ZN10QLCDNumberC2EP7QWidgetPKc [qt-mt]
_ZN10QLCDNumberC2EjP7QWidgetPKc [qt-mt]	_ZN10QLCDNumberD0Ev [qt-mt]
_ZN10QLCDNumberD1Ev [qt-mt]	_ZN10QLCDNumberD2Ev [qt-mt]
_ZN10QPopupMenu10byeMenuBarEv [qt-mt]	_ZN10QPopupMenu10closeEventEP11QCloseEvent [qt-mt]
_ZN10QPopupMenu10hidePopupsEv [qt-mt]	_ZN10QPopupMenu10leaveEventEP6QEvent [qt-mt]
_ZN10QPopupMenu10paintEventEP11QPaintEvent [qt-mt]	_ZN10QPopupMenu10timerEventEP11QTimerEvent [qt-mt]

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_ZN10QPopupMenu10tryMenuBarEP11QMouseEvent [qt-mt]	_ZN10QPopupMenu10updateItemEi [qt-mt]
_ZN10QPopupMenu10updateSizeEbb [qt-mt]	_ZN10QPopupMenu11aboutToHideEv [qt-mt]
_ZN10QPopupMenu11aboutToShowEv [qt-mt]	_ZN10QPopupMenu11enableAccelEb [qt-mt]
_ZN10QPopupMenu11highlightedEi [qt-mt]	_ZN10QPopupMenu11qt_propertyEiiP8QVariant [qt-mt]
_ZN10QPopupMenu11styleChangeER6QStyle [qt-mt]	_ZN10QPopupMenu11updateAccelEP7QWidget [qt-mt]
_ZN10QPopupMenu12connectModalEPS_b [qt-mt]	_ZN10QPopupMenu12drawContentsEP8QPainter [qt-mt]
_ZN10QPopupMenu12focusInEventEP11QFocusEvent [qt-mt]	_ZN10QPopupMenu12frameChangedEv [qt-mt]
_ZN10QPopupMenu12itemGeometryEi [qt-mt]	_ZN10QPopupMenu12menuDelPopupEPS_ [qt-mt]
ZN10QPopupMenu12menuInsPopupEPS [qt-mt]	_ZN10QPopupMenu12setCheckableEb [qt-mt]
_ZN10QPopupMenu12subActivatedEi [qt-mt]	_ZN10QPopupMenu12subMenuTimerEv [qt-mt]
_ZN10QPopupMenu13enabledChangeEb [qt-mt]	_ZN10QPopupMenu13focusOutEventEP11QFocusEvent [qt-mt]
_ZN10QPopupMenu13hideAllPopupsEv [qt-mt]	_ZN10QPopupMenu13keyPressEventEP9QKeyEvent [qt-mt]
_ZN10QPopupMenu13setActiveItemEi [qt-mt]	_ZN10QPopupMenu13toggleTearOffEv [qt-mt]
_ZN10QPopupMenu13tryMouseEventEPS_P11QMouseEvent [qt-mt]	_ZN10QPopupMenu14accelActivatedEi [qt-mt]
_ZN10QPopupMenu14accelDestroyedEv [qt-mt]	_ZN10QPopupMenu14activateItemAtEi [qt-mt]
_ZN10QPopupMenu14allowAnimationEv [qt-mt]	_ZN10QPopupMenu14mouseMoveEventEP11QMouseEvent [qt-mt]
_ZN10QPopupMenu14popupDestroyedEP7QObject [qt-mt]	_ZN10QPopupMenu14subHighlightedEi [qt-mt]
_ZN10QPopupMenu14subScrollTimerEv [qt-mt]	_ZN10QPopupMenu15modalActivationEi [qt-mt]
_ZN10QPopupMenu15mousePressEventEP11QMouseEvent [qt-mt]	_ZN10QPopupMenu16menuStateChangedEv [qt-mt]
_ZN10QPopupMenu16staticMetaObjectEv [qt-mt]	_ZN10QPopupMenu17activatedRedirectEi [qt-mt]
_ZN10QPopupMenu17mouseReleaseEventEP11QMouseEvent [qt-mt]	_ZN10QPopupMenu18focusNextPrevChildEb [qt-mt]

_ZN10QPopupMenu18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN10QPopupMenu18setFirstItemActiveEv [qt-mt]
_ZN10QPopupMenu19highlightedRedirectEi [qt-mt]	_ZN10QPopupMenu19insertTearOffHandleEii [qt-mt]
_ZN10QPopupMenu19menuContentsChangedEv [qt-mt]	_ZN10QPopupMenu19updateScrollerStateEv [qt-mt]
_ZN10QPopupMenu21performDelayedChangesEv [qt-mt]	_ZN10QPopupMenu26performDelayedStateChangedEv [qt-mt]
_ZN10QPopupMenu29performDelayedContentsChangedEv [qt-mt]	_ZN10QPopupMenu2trEPKcS1_ [qt-mt]
_ZN10QPopupMenu4execERK6QPointi [qt-mt]	_ZN10QPopupMenu4execEv [qt-mt]
_ZN10QPopupMenu4hideEv [qt-mt]	_ZN10QPopupMenu4showEv [qt-mt]
_ZN10QPopupMenu5popupERK6QPointi [qt-mt]	_ZN10QPopupMenu6actSigEib [qt-mt]
ZN10QPopupMenu6trUtf8EPKcS1 [qt-mt]	_ZN10QPopupMenu7qt_castEPKc [qt-mt]
_ZN10QPopupMenu7qt_emitEiP8QUObject [qt-mt]	_ZN10QPopupMenu7setFontERK5QFont [qt-mt]
_ZN10QPopupMenu8drawItemEP8QPainteriP9QMenuItembiiii [qt-mt]	_ZN10QPopupMenu8hilitSigEi [qt-mt]
_ZN10QPopupMenu9activatedEi [qt-mt]	_ZN10QPopupMenu9qt_invokeEiP8QUObject [qt-mt]
_ZN10QPopupMenu9updateRowEi [qt-mt]	_ZN10QPopupMenuC1EP7QWidgetPKc [qt-mt]
_ZN10QPopupMenuC2EP7QWidgetPKc [qt-mt]	_ZN10QPopupMenuD0Ev [qt-mt]
_ZN10QPopupMenuD1Ev [qt-mt]	_ZN10QPopupMenuD2Ev [qt-mt]
_ZN10QScrollBar10paintEventEP11QPaintEvent [qt-mt]	_ZN10QScrollBar10setPaletteERK8QPalette [qt-mt]
_ZN10QScrollBar10stepChangeEv [qt-mt]	_ZN10QScrollBar10wheelEventEP11QWheelEvent [qt-mt]
_ZN10QScrollBar11qt_propertyEiiP8QVariant [qt-mt]	_ZN10QScrollBar11rangeChangeEv [qt-mt]
_ZN10QScrollBar11resizeEventEP12QResizeEvent [qt-mt]	_ZN10QScrollBar11setLineStepEi [qt-mt]
_ZN10QScrollBar11setMaxValueEi [qt-mt]	_ZN10QScrollBar11setMinValueEi [qt-mt]
_ZN10QScrollBar11setPageStepEi [qt-mt]	_ZN10QScrollBar11sliderMovedEi [qt-mt]

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_ZN10QScrollBar11styleChangeER6QStyle [qt-mt]	_ZN10QScrollBar11valueChangeEv [qt-mt]
_ZN10QScrollBar12doAutoRepeatEv [qt-mt]	_ZN10QScrollBar12valueChangedEi [qt-mt]
_ZN10QScrollBar13keyPressEventEP9QKeyEvent [qt-mt]	_ZN10QScrollBar13setSizePolicyE11QSizePolicy [qt-mt]
_ZN10QScrollBar13sliderPressedEv [qt-mt]	_ZN10QScrollBar14mouseMoveEventEP11QMouseEvent [qt-mt]
_ZN10QScrollBar14setOrientationEN2Qt11OrientationE [qt-mt]	_ZN10QScrollBar14sliderReleasedEv [qt-mt]
_ZN10QScrollBar14stopAutoRepeatEv [qt-mt]	_ZN10QScrollBar15mousePressEventEP11QMouseEvent [qt-mt]
_ZN10QScrollBar15startAutoRepeatEv [qt-mt]	_ZN10QScrollBar16contextMenuEventEP17QContextMenuEvent [qt-mt]
_ZN10QScrollBar16staticMetaObjectEv [qt-mt]	_ZN10QScrollBar17mouseReleaseEventEP11QMouseEvent [qt-mt]
_ZN10QScrollBar18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN10QScrollBar23positionSliderFromValueEv [qt-mt]
ZN10QScrollBar2trEPKcS1 [qt-mt]	_ZN10QScrollBar4initEv [qt-mt]
_ZN10QScrollBar6actionEi [qt-mt]	_ZN10QScrollBar6trUtf8EPKcS1_ [qt-mt]
_ZN10QScrollBar7qt_castEPKc [qt-mt]	_ZN10QScrollBar7qt_emitEiP8QUObject [qt-mt]
_ZN10QScrollBar8nextLineEv [qt-mt]	_ZN10QScrollBar8nextPageEv [qt-mt]
_ZN10QScrollBar8prevLineEv [qt-mt]	_ZN10QScrollBar8prevPageEv [qt-mt]
_ZN10QScrollBar8setValueEi [qt-mt]	_ZN10QScrollBar9hideEventEP10QHideEvent [qt-mt]
_ZN10QScrollBar9qt_invokeEiP8QUObject [qt-mt]	_ZN10QScrollBarC1EN2Qt11OrientationEP7QWidgetPKc [qt-mt]
_ZN10QScrollBarC1EP7QWidgetPKc [qt-mt]	_ZN10QScrollBarC1EiiiiiiN2Qt11OrientationEP7QWidgetPKc [qt-mt]
_ZN10QScrollBarC2EN2Qt11OrientationEP7QWidgetPKc [qt-mt]	_ZN10QScrollBarC2EP7QWidgetPKc [qt-mt]
_ZN10QScrollBarC2EiiiiiiN2Qt11OrientationEP7QWidgetPKc [qt-mt]	_ZN10QScrollBarD0Ev [qt-mt]
_ZN10QScrollBarD1Ev [qt-mt]	_ZN10QScrollBarD2Ev [qt-mt]
_ZN10QSemaphore9tryAccessEi [qt-mt]	_ZN10QSemaphoreC1Ei [qt-mt]
_ZN10QSemaphoreC2Ei [qt-mt]	_ZN10QSemaphoreD0Ev [qt-mt]

_ZN10QSemaphoreD1Ev [qt-mt]	_ZN10QSemaphoreD2Ev [qt-mt]
_ZN10QSemaphoremIEi [qt-mt]	_ZN10QSemaphoremmEi [qt-mt]
_ZN10QSemaphorepLEi [qt-mt]	_ZN10QSemaphoreppEi [qt-mt]
_ZN10QSemiModal11qt_propertyEiiP8QVariant [qt-mt]	_ZN10QSemiModal16staticMetaObjectEv [qt-mt]
_ZN10QSemiModal18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN10QSemiModal2trEPKcS1_ [qt-mt]
ZN10QSemiModal6trUtf8EPKcS1 [qt-mt]	_ZN10QSemiModal7qt_castEPKc [qt-mt]
_ZN10QSemiModal7qt_emitEiP8QUObject [qt-mt]	_ZN10QSemiModal9qt_invokeEiP8QUObject [qt-mt]
_ZN10QSjisCodecC1Ev [qt-mt]	_ZN10QSjisCodecC2Ev [qt-mt]
_ZN10QSjisCodecD0Ev [qt-mt]	_ZN10QSjisCodecD1Ev [qt-mt]
_ZN10QSjisCodecD2Ev [qt-mt]	_ZN10QSqlCursor10editBufferEb [qt-mt]
_ZN10QSqlCursor10setTrimmedERK7QStringb [qt-mt]	_ZN10QSqlCursor11primeDeleteEv [qt-mt]
_ZN10QSqlCursor11primeInsertEv [qt-mt]	_ZN10QSqlCursor11primeUpdateEv [qt-mt]
_ZN10QSqlCursor12setGeneratedERK7QStringb [qt-mt]	_ZN10QSqlCursor12setGeneratedEib [qt-mt]
_ZN10QSqlCursor13applyPreparedERK7QStringb [qt-mt]	_ZN10QSqlCursor13setCalculatedERK7QStringb [qt-mt]
_ZN10QSqlCursor14calculateFieldERK7QString [qt-mt]	_ZN10QSqlCursor15setPrimaryIndexERK9QSqlIndex [qt-mt]
_ZN10QSqlCursor3delERK7QStringb [qt-mt]	_ZN10QSqlCursor3delEb [qt-mt]
_ZN10QSqlCursor4execERK7QString [qt-mt]	_ZN10QSqlCursor4syncEv [qt-mt]
_ZN10QSqlCursor5applyERK7QStringb [qt-mt]	_ZN10QSqlCursor5clearEv [qt-mt]
_ZN10QSqlCursor6appendERK13QSqlFieldInfo [qt-mt]	_ZN10QSqlCursor6appendERK9QSqlField [qt-mt]
_ZN10QSqlCursor6insertEb [qt-mt]	_ZN10QSqlCursor6insertEiRK13QSqlFieldInfo [qt-mt]
_ZN10QSqlCursor6insertEiRK9QSqlField [qt-mt]	_ZN10QSqlCursor6removeEi [qt-mt]
_ZN10QSqlCursor6selectERK7QStringRK9QSqlIndex [qt-mt]	_ZN10QSqlCursor6selectERK9QSqlIndex [qt-mt]
ZN10QSqlCursor6selectERK9QSqlIndexS2 [qt-mt]	_ZN10QSqlCursor6selectEv [qt-mt]

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_ZN10QSqlCursor6updateERK7QStringb [qt-mt]	_ZN10QSqlCursor6updateEb [qt-mt]
_ZN10QSqlCursor7setModeEi [qt-mt]	_ZN10QSqlCursor7setNameERK7QStringb [qt-mt]
_ZN10QSqlCursor7setSortERK9QSqlIndex [qt-mt]	_ZN10QSqlCursor8setValueERK7QStringRK8QVariant [qt-mt]
_ZN10QSqlCursor8setValueEiRK8QVariant [qt-mt]	_ZN10QSqlCursor9afterSeekEv [qt-mt]
_ZN10QSqlCursor9setFilterERK7QString [qt-mt]	_ZN10QSqlCursorC1ERK7QStringbP12QSqlDatabase [qt-mt]
ZN10QSqlCursorC1ERKS [qt-mt]	_ZN10QSqlCursorC2ERK7QStringbP12QSqlDatabase [qt-mt]
ZN10QSqlCursorC2ERKS [qt-mt]	_ZN10QSqlCursorD0Ev [qt-mt]
_ZN10QSqlCursorD1Ev [qt-mt]	_ZN10QSqlCursorD2Ev [qt-mt]
_ZN10QSqlCursoraSERK10QSqlRecord [qt-mt]	_ZN10QSqlCursoraSERKS_ [qt-mt]
_ZN10QSqlDriver11qt_propertyEiiP8QVariant [qt-mt]	_ZN10QSqlDriver12setLastErrorERK9QSqlError [qt-mt]
_ZN10QSqlDriver12setOpenErrorEb [qt-mt]	_ZN10QSqlDriver16beginTransactionEv [qt-mt]
_ZN10QSqlDriver16staticMetaObjectEv [qt-mt]	_ZN10QSqlDriver17commitTransactionEv [qt-mt]
_ZN10QSqlDriver18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN10QSqlDriver19rollbackTransactionEv [qt-mt]
ZN10QSqlDriver2trEPKcS1 [qt-mt]	_ZN10QSqlDriver4openERK7QStringS2_S2_S2_iS2_ [qt-mt]
ZN10QSqlDriver6trUtf8EPKcS1 [qt-mt]	_ZN10QSqlDriver7qt_castEPKc [qt-mt]
_ZN10QSqlDriver7qt_emitEiP8QUObject [qt-mt]	_ZN10QSqlDriver7setOpenEb [qt-mt]
_ZN10QSqlDriver9qt_invokeEiP8QUObject [qt-mt]	_ZN10QSqlDriverC1EP7QObjectPKc [qt-mt]
_ZN10QSqlDriverC2EP7QObjectPKc [qt-mt]	_ZN10QSqlDriverD0Ev [qt-mt]
_ZN10QSqlDriverD1Ev [qt-mt]	_ZN10QSqlDriverD2Ev [qt-mt]
_ZN10QSqlRecord11checkDetachEv [qt-mt]	_ZN10QSqlRecord11clearValuesEb [qt-mt]
_ZN10QSqlRecord12setGeneratedERK7QStringb [qt-mt]	_ZN10QSqlRecord12setGeneratedEib [qt-mt]
_ZN10QSqlRecord5clearEv [qt-mt]	_ZN10QSqlRecord5derefEv [qt-mt]
_ZN10QSqlRecord5fieldERK7QStrin	_ZN10QSqlRecord5fieldEi [qt-mt]

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_ZN10QSqlRecord6appendERK9QSqlField [qt-mt]	_ZN10QSqlRecord6insertEiRK9QSqlField [qt-mt]
_ZN10QSqlRecord6isNullERK7QString [qt-mt]	_ZN10QSqlRecord6isNullEi [qt-mt]
_ZN10QSqlRecord6removeEi [qt-mt]	_ZN10QSqlRecord7setNullERK7QString [qt-mt]
_ZN10QSqlRecord7setNullEi [qt-mt]	_ZN10QSqlRecord8setValueERK7QStringRK8QVariant [qt-mt]
_ZN10QSqlRecord8setValueEiRK8QVariant [qt-mt]	_ZN10QSqlRecordC1ERKS_ [qt-mt]
_ZN10QSqlRecordC1Ev [qt-mt]	_ZN10QSqlRecordC2ERKS_ [qt-mt]
_ZN10QSqlRecordC2Ev [qt-mt]	_ZN10QSqlRecordD0Ev [qt-mt]
_ZN10QSqlRecordD1Ev [qt-mt]	_ZN10QSqlRecordD2Ev [qt-mt]
ZN10QSqlRecordaSERKS [qt-mt]	_ZN10QSqlResult12setExtensionEP13QSqlExtension [qt-mt]
_ZN10QSqlResult12setLastErrorERK9QSqlError [qt-mt]	_ZN10QSqlResult14setForwardOnlyEb [qt-mt]
_ZN10QSqlResult5setAtEi [qt-mt]	_ZN10QSqlResult8setQueryERK7QString [qt-mt]
_ZN10QSqlResult9extensionEv [qt-mt]	_ZN10QSqlResult9fetchNextEv [qt-mt]
_ZN10QSqlResult9fetchPrevEv [qt-mt]	_ZN10QSqlResult9setActiveEb [qt-mt]
_ZN10QSqlResult9setSelectEb [qt-mt]	_ZN10QSqlResultC1EPK10QSqlDriver [qt-mt]
_ZN10QSqlResultC2EPK10QSqlDriver [qt-mt]	_ZN10QSqlResultD0Ev [qt-mt]
_ZN10QSqlResultD1Ev [qt-mt]	_ZN10QSqlResultD2Ev [qt-mt]
_ZN10QStatusBar10hideOrShowEv [qt-mt]	_ZN10QStatusBar10paintEventEP11QPaintEvent [qt-mt]
_ZN10QStatusBar11qt_propertyEiiP8QVariant [qt-mt]	_ZN10QStatusBar11resizeEventEP12QResizeEvent [qt-mt]
_ZN10QStatusBar12removeWidgetEP7QWidget [qt-mt]	_ZN10QStatusBar14messageChangedERK7QString [qt-mt]
_ZN10QStatusBar16staticMetaObjectEv [qt-mt]	_ZN10QStatusBar18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
_ZN10QStatusBar18setSizeGripEnabledEb [qt-mt]	_ZN10QStatusBar2trEPKcS1_ [qt-mt]
_ZN10QStatusBar5clearEv [qt-mt]	_ZN10QStatusBar5eventEP6QEvent [qt-mt]

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ZN10QStatusBar6trUtf8EPKcS1 [qt-mt]	_ZN10QStatusBar7messageERK7QString [qt-mt]
_ZN10QStatusBar7messageERK7QStringi [qt-mt]	_ZN10QStatusBar7qt_castEPKc [qt-mt]
_ZN10QStatusBar7qt_emitEiP8QUObject [qt-mt]	_ZN10QStatusBar8reformatEv [qt-mt]
_ZN10QStatusBar9addWidgetEP7QWidgetib [qt-mt]	_ZN10QStatusBar9qt_invokeEiP8QUObject [qt-mt]
_ZN10QStatusBarC1EP7QWidgetPKc [qt-mt]	_ZN10QStatusBarC2EP7QWidgetPKc [qt-mt]
_ZN10QStatusBarD0Ev [qt-mt]	_ZN10QStatusBarD1Ev [qt-mt]
_ZN10QStatusBarD2Ev [qt-mt]	_ZN10QTabDialog10paintEventEP11QPaintEvent [qt-mt]
_ZN10QTabDialog10removePageEP7QWidget [qt-mt]	_ZN10QTabDialog11aboutToShowEv [qt-mt]
_ZN10QTabDialog11qt_propertyEiiP8QVariant [qt-mt]	_ZN10QTabDialog11resizeEventEP12QResizeEvent [qt-mt]
_ZN10QTabDialog11setOKButtonERK7QString [qt-mt]	_ZN10QTabDialog11setOkButtonERK7QString [qt-mt]
_ZN10QTabDialog11setOkButtonEv [qt-mt]	_ZN10QTabDialog11setUpLayoutEv [qt-mt]
_ZN10QTabDialog11styleChangeER6QStyle [qt-mt]	_ZN10QTabDialog13setHelpButtonERK7QString [qt-mt]
_ZN10QTabDialog13setHelpButtonEv [qt-mt]	_ZN10QTabDialog13setTabEnabledEP7QWidgetb [qt-mt]
_ZN10QTabDialog13setTabEnabledEPKcb [qt-mt]	_ZN10QTabDialog14currentChangedEP7QWidget [qt-mt]
_ZN10QTabDialog14setApplyButtonERK7QString [qt-mt]	_ZN10QTabDialog14setApplyButtonEv [qt-mt]
_ZN10QTabDialog15setCancelButtonERK7QString [qt-mt]	_ZN10QTabDialog15setCancelButtonEv [qt-mt]
_ZN10QTabDialog16setDefaultButtonERK7QString [qt-mt]	_ZN10QTabDialog16setDefaultButtonEv [qt-mt]
_ZN10QTabDialog16staticMetaObjectEv [qt-mt]	_ZN10QTabDialog17helpButtonPressedEv [qt-mt]
_ZN10QTabDialog18applyButtonPressedEv [qt-mt]	_ZN10QTabDialog18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
_ZN10QTabDialog19cancelButtonPressedEv [qt-mt]	_ZN10QTabDialog20defaultButtonPressedEv [qt-mt]
ZN10QTabDialog2trEPKcS1 [qt-mt]	_ZN10QTabDialog4showEv [qt-mt]
_ZN10QTabDialog6addTabEP7QWi	_ZN10QTabDialog6addTabEP7QWi

dgetP4QTab [qt-mt]	dgetRK7QString [qt-mt]
_ZN10QTabDialog6addTabEP7QWidgetRK8QIconSetRK7QString [qt-mt]	_ZN10QTabDialog6trUtf8EPKcS1_ [qt-mt]
_ZN10QTabDialog7qt_castEPKc [qt-mt]	_ZN10QTabDialog7qt_emitEiP8QUObject [qt-mt]
_ZN10QTabDialog7setFontERK5QFont [qt-mt]	_ZN10QTabDialog7showTabEi [qt-mt]
_ZN10QTabDialog8selectedERK7QString [qt-mt]	_ZN10QTabDialog8setSizesEv [qt-mt]
_ZN10QTabDialog8showPageEP7QWidget [qt-mt]	_ZN10QTabDialog8tabLabelEP7QWidget [qt-mt]
_ZN10QTabDialog9changeTabEP7QWidgetRK7QString [qt-mt]	_ZN10QTabDialog9changeTabEP7QWidgetRK8QIconSetRK7QString [qt-mt]
_ZN10QTabDialog9insertTabEP7QWidgetP4QTabi [qt-mt]	_ZN10QTabDialog9insertTabEP7QWidgetRK7QStringi [qt-mt]
_ZN10QTabDialog9insertTabEP7QWidgetRK8QIconSetRK7QStringi [qt-mt]	_ZN10QTabDialog9qt_invokeEiP8QUObject [qt-mt]
_ZN10QTabDialog9setTabBarEP7QTabBar [qt-mt]	_ZN10QTabDialogC1EP7QWidgetPKcbj [qt-mt]
_ZN10QTabDialogC2EP7QWidgetPKcbj [qt-mt]	_ZN10QTabDialogD0Ev [qt-mt]
_ZN10QTabDialogD1Ev [qt-mt]	_ZN10QTabDialogD2Ev [qt-mt]
_ZN10QTabWidget10removePageEP7QWidget [qt-mt]	_ZN10QTabWidget10updateMaskEv [qt-mt]
_ZN10QTabWidget11eventFilterEP7QObjectP6QEvent [qt-mt]	_ZN10QTabWidget11qt_propertyEiiP8QVariant [qt-mt]
_ZN10QTabWidget11resizeEventEP12QResizeEvent [qt-mt]	_ZN10QTabWidget11setTabLabelEP7QWidgetRK7QString [qt-mt]
_ZN10QTabWidget11setTabShapeENS_8TabShapeE [qt-mt]	_ZN10QTabWidget11setUpLayoutEb [qt-mt]
_ZN10QTabWidget11styleChangeER6QStyle [qt-mt]	_ZN10QTabWidget13setTabEnabledEP7QWidgetb [qt-mt]
_ZN10QTabWidget13setTabIconSetEP7QWidgetRK8QIconSet [qt-mt]	_ZN10QTabWidget13setTabToolTipEP7QWidgetRK7QString [qt-mt]
_ZN10QTabWidget14currentChangedEP7QWidget [qt-mt]	_ZN10QTabWidget14setCurrentPageEi [qt-mt]
_ZN10QTabWidget14setTabPositionENS_11TabPositionE [qt-mt]	_ZN10QTabWidget15setCornerWidgetEP7QWidgetN2Qt6CornerE [qt-mt]
_ZN10QTabWidget16removeTabToolTipEP7QWidget [qt-mt]	_ZN10QTabWidget16staticMetaObjectEv [qt-mt]

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_ZN10QTabWidget18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN10QTabWidget2trEPKcS1_ [qt-mt]
_ZN10QTabWidget6addTabEP7QWidgetP4QTab [qt-mt]	_ZN10QTabWidget6addTabEP7QWidgetRK7QString [qt-mt]
_ZN10QTabWidget6addTabEP7QWidgetRK8QIconSetRK7QString [qt-mt]	_ZN10QTabWidget6trUtf8EPKcS1_ [qt-mt]
_ZN10QTabWidget7qt_castEPKc [qt-mt]	_ZN10QTabWidget7qt_emitEiP8QUObject [qt-mt]
_ZN10QTabWidget7showTabEi [qt-mt]	_ZN10QTabWidget8selectedERK7QString [qt-mt]
_ZN10QTabWidget8showPageEP7QWidget [qt-mt]	_ZN10QTabWidget9changeTabEP7QWidgetRK7QString [qt-mt]
_ZN10QTabWidget9changeTabEP7QWidgetRK8QIconSetRK7QString [qt-mt]	_ZN10QTabWidget9insertTabEP7QWidgetP4QTabi [qt-mt]
_ZN10QTabWidget9insertTabEP7QWidgetRK7QStringi [qt-mt]	_ZN10QTabWidget9insertTabEP7QWidgetRK8QIconSetRK7QStringi [qt-mt]
_ZN10QTabWidget9qt_invokeEiP8QUObject [qt-mt]	_ZN10QTabWidget9setMarginEi [qt-mt]
_ZN10QTabWidget9setTabBarEP7QTabBar [qt-mt]	_ZN10QTabWidget9showEventEP10QShowEvent [qt-mt]
_ZN10QTabWidgetC1EP7QWidgetPKcj [qt-mt]	_ZN10QTabWidgetC2EP7QWidgetPKcj [qt-mt]
_ZN10QTabWidgetD0Ev [qt-mt]	_ZN10QTabWidgetD1Ev [qt-mt]
_ZN10QTabWidgetD2Ev [qt-mt]	_ZN10QTableItem10setEnabledEb [qt-mt]
_ZN10QTableItem11setWordWrapEb [qt-mt]	_ZN10QTableItem12updateEditorEii [qt-mt]
_ZN10QTableItem14setReplaceableEb [qt-mt]	_ZN10QTableItem20setContentFromEditorEP7QWidget [qt-mt]
_ZN10QTableItem5paintEP8QPainterRK11QColorGroupRK5QRectb [qt-mt]	_ZN10QTableItem6setColEi [qt-mt]
_ZN10QTableItem6setRowEi [qt-mt]	_ZN10QTableItem7setSpanEii [qt-mt]
_ZN10QTableItem7setTextERK7QString [qt-mt]	_ZN10QTableItem9setPixmapERK7QPixmap [qt-mt]
_ZN10QTableItemC1EP6QTableNS_8EditTypeE [qt-mt]	_ZN10QTableItemC1EP6QTableNS_8EditTypeERK7QString [qt-mt]
_ZN10QTableItemC1EP6QTableNS_8EditTypeERK7QStringRK7QPixmap [qt-mt]	_ZN10QTableItemC2EP6QTableNS_8EditTypeE [qt-mt]

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_ZN10QTableItemD0Ev [qt-mt]	_ZN10QTableItemD1Ev [qt-mt]
_ZN10QTableItemD2Ev [qt-mt]	_ZN10QTextCodec11codecForMibEi [qt-mt]
_ZN10QTextCodec11loadCharmapEP9QIODevice [qt-mt]	_ZN10QTextCodec12codecForNameEPKci [qt-mt]
_ZN10QTextCodec13codecForIndexEi [qt-mt]	_ZN10QTextCodec14codecForLocaleEv [qt-mt]
_ZN10QTextCodec15codecForContentEPKci [qt-mt]	_ZN10QTextCodec15deleteAllCodecsEv [qt-mt]
_ZN10QTextCodec15loadCharmapFileE7QString [qt-mt]	_ZN10QTextCodec17setCodecForLocaleEPS_ [qt-mt]
_ZN10QTextCodec19fromUnicodeInternalEPK5QCharPti [qt-mt]	_ZN10QTextCodec24simpleHeuristicNameMatchEPKcS1_ [qt-mt]
_ZN10QTextCodec6localeEv [qt-mt]	_ZN10QTextCodecC1Ev [qt-mt]
_ZN10QTextCodecC2Ev [qt-mt]	_ZN10QTextCodecD0Ev [qt-mt]
_ZN10QTextCodecD1Ev [qt-mt]	_ZN10QTextCodecD2Ev [qt-mt]
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_ZN10QUType_int12canConvertToEP8QUObjectP6QUType [qt-mt]	_ZN10QUType_int13serializeFromEP8QUObjectP8QUBuffer [qt-mt]
_ZN10QUType_int14canConvertFromEP8QUObjectP6QUType [qt-mt]	_ZN10QUType_int3setEP8QUObjecti [qt-mt]
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_ZN10QUType_ptr3setEP8QUObjectPKv [qt-mt]	_ZN10QUType_ptr9convertToEP8QUObjectP6QUType [qt-mt]
_ZN10QVGroupBox11qt_propertyEiiP8QVariant [qt-mt]	_ZN10QVGroupBox16staticMetaObjectEv [qt-mt]
_ZN10QVGroupBox18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN10QVGroupBox2trEPKcS1_ [qt-mt]
ZN10QVGroupBox6trUtf8EPKcS1 [qt-mt]	_ZN10QVGroupBox7qt_castEPKc [qt-mt]
_ZN10QVGroupBox7qt_emitEiP8QUObject [qt-mt]	_ZN10QVGroupBox9qt_invokeEiP8QUObject [qt-mt]

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_ZN10QVGroupBoxC1EP7QWidgetPKc [qt-mt]	_ZN10QVGroupBoxC1ERK7QStringP7QWidgetPKc [qt-mt]
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_ZN10QVGroupBoxD0Ev [qt-mt]	_ZN10QVGroupBoxD1Ev [qt-mt]
_ZN10QVGroupBoxD2Ev [qt-mt]	_ZN10QValidator11qt_propertyEiiP8QVariant [qt-mt]
_ZN10QValidator16staticMetaObjectEv [qt-mt]	_ZN10QValidator18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
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_ZN10QValidatorC2EP7QObjectPKc [qt-mt]	_ZN10QValidatorD0Ev [qt-mt]
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_ZN10QWhatsThis7textForEP7QWidgetRK6QPointb [qt-mt]	_ZN10QWhatsThisC1EP7QWidget [qt-mt]
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_ZN10QWorkspace10removeIconEP7QWidget [qt-mt]	_ZN10QWorkspace10showWindowEP7QWidget [qt-mt]
_ZN10QWorkspace10wheelEventEP11QWheelEvent [qt-mt]	_ZN10QWorkspace11eventFilterEP7QObjectP6QEvent [qt-mt]
_ZN10QWorkspace11qt_propertyEiiP8QVariant [qt-mt]	_ZN10QWorkspace11resizeEventEP12QResizeEvent [qt-mt]

_ZN10QWorkspace11styleChangeER6QStyle [qt-mt]	_ZN10QWorkspace12handleUndockEP11QDockWindow [qt-mt]
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_ZN10QWorkspace14minimizeWindowEP7QWidget [qt-mt]	_ZN10QWorkspace15closeAllWindowsEv [qt-mt]
_ZN10QWorkspace15dockWindowsShowEv [qt-mt]	_ZN10QWorkspace15normalizeWindowEP7QWidget [qt-mt]
_ZN10QWorkspace15updateWorkspaceEv [qt-mt]	_ZN10QWorkspace15windowActivatedEP7QWidget [qt-mt]
_ZN10QWorkspace16scrollBarChangedEv [qt-mt]	_ZN10QWorkspace16staticMetaObjectEv [qt-mt]
_ZN10QWorkspace17closeActiveWindowEv [qt-mt]	_ZN10QWorkspace17showOperationMenuEv [qt-mt]
_ZN10QWorkspace18activateNextWindowEv [qt-mt]	_ZN10QWorkspace18activatePrevWindowEv [qt-mt]
_ZN10QWorkspace18popupOperationMenuERK6QPoint [qt-mt]	_ZN10QWorkspace18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
_ZN10QWorkspace19toolMenuAboutToShowEv [qt-mt]	_ZN10QWorkspace20hideMaximizeControlsEv [qt-mt]
_ZN10QWorkspace20minimizeActiveWindowEv [qt-mt]	_ZN10QWorkspace20setScrollBarsEnabledEb [qt-mt]
_ZN10QWorkspace20showMaximizeControlsEv [qt-mt]	_ZN10QWorkspace21normalizeActiveWindowEv [qt-mt]
_ZN10QWorkspace22activatePreviousWindowEv [qt-mt]	_ZN10QWorkspace22operationMenuActivatedEi [qt-mt]
_ZN10QWorkspace24operationMenuAboutToShowEv [qt-mt]	_ZN10QWorkspace25setPaletteBackgroundColorERK6QColor [qt-mt]
_ZN10QWorkspace26setPaletteBackgroundPixmapERK7QPixmap [qt-mt]	_ZN10QWorkspace2trEPKcS1_ [qt-mt]
_ZN10QWorkspace4initEv [qt-mt]	_ZN10QWorkspace4tileEv [qt-mt]
_ZN10QWorkspace5placeEP7QWidget [qt-mt]	_ZN10QWorkspace6trUtf8EPKcS1_ [qt-mt]
_ZN10QWorkspace7cascadeEv [qt-mt]	_ZN10QWorkspace7qt_castEPKc [qt-mt]
_ZN10QWorkspace7qt_emitEiP8QUObject [qt-mt]	_ZN10QWorkspace9findChildEP7QWidget [qt-mt]
_ZN10QWorkspace9hideEventEP10QHideEvent [qt-mt]	_ZN10QWorkspace9qt_invokeEiP8QUObject [qt-mt]
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_ZN11QCanvasItem11addToChunks Ev [qt-mt]	_ZN11QCanvasItem11setAnimatedE b [qt-mt]
_ZN11QCanvasItem11setSelectedEb [qt-mt]	_ZN11QCanvasItem11setVelocityEd d [qt-mt]
_ZN11QCanvasItem12changeChunk sEv [qt-mt]	_ZN11QCanvasItem16removeFromC hunksEv [qt-mt]
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_ZN11QCanvasItem6moveByEdd [qt-mt]	_ZN11QCanvasItem7advanceEi [qt-mt]
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_ZN11QCanvasItemC1EP7QCanvas [qt-mt]	_ZN11QCanvasItemC2EP7QCanvas [qt-mt]
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_ZN11QCanvasItemD2Ev [qt-mt]	_ZN11QCanvasLine6moveByEdd [qt-mt]
_ZN11QCanvasLine6setPenE4QPen [qt-mt]	_ZN11QCanvasLine9drawShapeER8 QPainter [qt-mt]
_ZN11QCanvasLine9setPointsEiiii [qt-mt]	_ZN11QCanvasLineC1EP7QCanvas [qt-mt]
_ZN11QCanvasLineC2EP7QCanvas [qt-mt]	_ZN11QCanvasLineD0Ev [qt-mt]
_ZN11QCanvasLineD1Ev [qt-mt]	_ZN11QCanvasLineD2Ev [qt-mt]
_ZN11QCanvasText11addToChunks Ev [qt-mt]	_ZN11QCanvasText12changeChunks Ev [qt-mt]
_ZN11QCanvasText12setTextFlagsEi [qt-mt]	_ZN11QCanvasText16removeFromC hunksEv [qt-mt]
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_ZN11QCanvasText7setFontERK5QF ont [qt-mt]	_ZN11QCanvasText7setRectEv [qt-mt]
_ZN11QCanvasText7setTextERK7QS tring [qt-mt]	_ZN11QCanvasText8setColorERK6Q Color [qt-mt]
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_ZN11QCanvasView12drawContent sEP8QPainter [qt-mt]	_ZN11QCanvasView12drawContent sEP8QPainteriiii [qt-mt]
_ZN11QCanvasView14setWorldMatr ixERK8QWMatrix [qt-mt]	_ZN11QCanvasView16staticMetaObj ectEv [qt-mt]
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_ZN11QCanvasViewD1Ev [qt-mt]	_ZN11QCanvasViewD2Ev [qt-mt]
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_ZN11QConnectionC2EPK7QObjecti PKci [qt-mt]	_ZN11QDataSource10maybeReadyE v [qt-mt]

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_ZN11QDataSource12enableRewindEb [qt-mt]	_ZN11QDataSource6rewindEv [qt-mt]
_ZN11QDataStream10writeBytesEPKcj [qt-mt]	_ZN11QDataStream11unsetDeviceEv [qt-mt]
_ZN11QDataStream12readRawBytesEPcj [qt-mt]	_ZN11QDataStream12setByteOrderEi [qt-mt]
_ZN11QDataStream13writeRawBytesEPKcj [qt-mt]	_ZN11QDataStream9readBytesERPcRj [qt-mt]
_ZN11QDataStream9setDeviceEP9QIODevice [qt-mt]	_ZN11QDataStreamC1E9QMemArrayIcEi [qt-mt]
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_ZN11QDataStreamrsERs [qt-mt]	_ZN11QDataStreamrsERx [qt-mt]
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_ZN11QDockWindow10setNewLineEb [qt-mt]	_ZN11QDockWindow11endRectDrawEb [qt-mt]
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_ZN11QDockWindow11resizeEventEP12QResizeEvent [qt-mt]	_ZN11QDockWindow12drawContentsEP8QPainter [qt-mt]
_ZN11QDockWindow12placeChangedENS_5PlaceE [qt-mt]	_ZN11QDockWindow12setCloseModeEi [qt-mt]
_ZN11QDockWindow13startRectDrawERK6QPointb [qt-mt]	_ZN11QDockWindow14removeFromDockEb [qt-mt]
_ZN11QDockWindow14setOrientationEN2Qt11OrientationE [qt-mt]	_ZN11QDockWindow14updatePositionERK6QPoint [qt-mt]
_ZN11QDockWindow15setOpaqueMovingEb [qt-mt]	_ZN11QDockWindow16contextMenuEventEP17QContextMenuEvent [qt-

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_ZN11QDockWindow19setFixedExtentWidthEi [qt-mt]	_ZN11QDockWindow20setFixedExtentHeightEi [qt-mt]
_ZN11QDockWindow24setVerticallyStretchableEb [qt-mt]	_ZN11QDockWindow24updateSplitterVisibilityEb [qt-mt]
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_ZN11QDockWindow9drawFrameEP8QPainter [qt-mt]	_ZN11QDockWindow9hideEventEP10QHideEvent [qt-mt]
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_ZN11QDragObject18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN11QDragObject2trEPKcS1_ [qt-mt]
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_ZN11QDragObject6sourceEv [qt-mt]	_ZN11QDragObject6targetEv [qt-mt]
ZN11QDragObject6trUtf8EPKcS1 [qt-mt]	_ZN11QDragObject7qt_castEPKc [qt-mt]
_ZN11QDragObject7qt_emitEiP8QUObject [qt-mt]	_ZN11QDragObject8dragCopyEv [qt-mt]
_ZN11QDragObject8dragLinkEv [qt-mt]	_ZN11QDragObject8dragMoveEv [qt-mt]
_ZN11QDragObject9qt_invokeEiP8QUObject [qt-mt]	_ZN11QDragObject9setPixmapE7QPixmap [qt-mt]
_ZN11QDragObject9setPixmapE7QPixmapRK6QPoint [qt-mt]	_ZN11QDragObject9setTargetEP7QWidget [qt-mt]
_ZN11QDragObjectC1EP7QWidgetPKc [qt-mt]	_ZN11QDragObjectC2EP7QWidgetPKc [qt-mt]
_ZN11QDragObjectD0Ev [qt-mt]	_ZN11QDragObjectD1Ev [qt-mt]
_ZN11QDragObjectD2Ev [qt-mt]	_ZN11QEucJpCodecC1Ev [qt-mt]
_ZN11QEucJpCodecC2Ev [qt-mt]	_ZN11QEucJpCodecD0Ev [qt-mt]
_ZN11QEucJpCodecD1Ev [qt-mt]	_ZN11QEucJpCodecD2Ev [qt-mt]
_ZN11QFileDialog10addWidgetsEP6QLabelP7QWidgetP11QPushButton [qt-mt]	_ZN11QFileDialog10changeModeEi [qt-mt]
_ZN11QFileDialog10deleteFileERK7QString [qt-mt]	_ZN11QFileDialog10dirEnteredERK7QString [qt-mt]
_ZN11QFileDialog10setFiltersEPPKc [qt-mt]	_ZN11QFileDialog10setFiltersERK11QStringList [qt-mt]
_ZN11QFileDialog10setFiltersERK7QString [qt-mt]	_ZN11QFileDialog11cdUpClickedEv [qt-mt]
_ZN11QFileDialog11dirSelectedEi [qt-mt]	_ZN11QFileDialog11eventFilterEP7QObjectP6QEvent [qt-mt]
_ZN11QFileDialog11insertEntryERK10QValueListI8QUrlInfoEP17QNetworkOperation [qt-mt]	_ZN11QFileDialog11itemChangedEP17QNetworkOperation [qt-mt]
_ZN11QFileDialog11qt_propertyEiiP8QVariant [qt-mt]	_ZN11QFileDialog11removeEntryEP17QNetworkOperation [qt-mt]
_ZN11QFileDialog11resizeEventEP12QResizeEvent [qt-mt]	_ZN11QFileDialog11setViewModeENS_8ViewModeE [qt-mt]
_ZN11QFileDialog11urlFinishedEP17QNetworkOperation [qt-mt]	_ZN11QFileDialog12fileSelectedERK7QString [qt-mt]
_ZN11QFileDialog12fileSelectedEi [qt-mt]	_ZN11QFileDialog12iconProviderEv [qt-mt]
_ZN11QFileDialog12pathSelectedEi [qt-mt]	_ZN11QFileDialog12setSelectionERK7QString [qt-mt]

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_ZN11QFileDialog13addLeftWidgetEP7QWidget [qt-mt]	_ZN11QFileDialog13addToolButtonEP7QButtonb [qt-mt]
_ZN11QFileDialog13cancelClickedEv [qt-mt]	_ZN11QFileDialog13filesSelectedERK11QStringList [qt-mt]
_ZN11QFileDialog13filterClickedEv [qt-mt]	_ZN11QFileDialog13fixupNameEditEv [qt-mt]
_ZN11QFileDialog13keyPressEventEP9QKeyEvent [qt-mt]	_ZN11QFileDialog14addRightWidgetEP7QWidget [qt-mt]
_ZN11QFileDialog14filterSelectedERK7QString [qt-mt]	_ZN11QFileDialog14setInfoPreviewEP7QWidgetP12QFilePreview [qt-mt]
_ZN11QFileDialog14setPreviewModeENS_11PreviewModeE [qt-mt]	_ZN11QFileDialog14updatePreviewsERK4QUrl [qt-mt]
_ZN11QFileDialog15fileHighlightedERK7QString [qt-mt]	_ZN11QFileDialog15fileHighlightedEi [qt-mt]
_ZN11QFileDialog15getOpenFileNameERK7QStringS2_P7QWidgetPKcS2_PS0_b [qt-mt]	_ZN11QFileDialog15getSaveFileNameERK7QStringS2_P7QWidgetPKcS2_PS0_b [qt-mt]
_ZN11QFileDialog15setIconProviderEP17QFileIconProvider [qt-mt]	_ZN11QFileDialog15trySetSelectionEbRK12QUrlOperatorb [qt-mt]
_ZN11QFileDialog16createdDirectoryERK8QUrlInfoP17QNetworkOperation [qt-mt]	_ZN11QFileDialog16doMimeTypeLookupEv [qt-mt]
_ZN11QFileDialog16fileNameEditDoneEv [qt-mt]	_ZN11QFileDialog16getOpenFileNamesERK7QStringS2_P7QWidgetPKcS2_PS0_b [qt-mt]
_ZN11QFileDialog16newFolderClickedEv [qt-mt]	_ZN11QFileDialog16popupContextMenuEP12QListBoxItemRK6QPoint [qt-mt]
_ZN11QFileDialog16popupContextMenuEP13QListViewItemRK6QPointi [qt-mt]	_ZN11QFileDialog16popupContextMenuERK7QStringbRNS_11PopupActionERK6QPoint [qt-mt]
_ZN11QFileDialog16staticMetaObjectEv [qt-mt]	_ZN11QFileDialog16updateGeometriesEv [qt-mt]
_ZN11QFileDialog17removeProgressDiaEv [qt-mt]	_ZN11QFileDialog17setSelectedFilterERK7QString [qt-mt]
_ZN11QFileDialog17setSelectedFilterEi [qt-mt]	_ZN11QFileDialog18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
_ZN11QFileDialog18setContentsPreviewEP7QWidgetP12QFilePreview [qt-mt]	_ZN11QFileDialog18setShowHiddenFilesEb [qt-mt]
_ZN11QFileDialog18updateFileNameEditEP12QListBoxItem [qt-mt]	_ZN11QFileDialog18updateFileNameEditEP13QListViewItem [qt-mt]
_ZN11QFileDialog20dataTransferProgressEiiP17QNetworkOperation [qt-	_ZN11QFileDialog20getExistingDirectoryERK7QStringP7QWidgetPKcS2

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_ZN11QFileDialog20modeButtonsDestroyedEv [qt-mt]	_ZN11QFileDialog21selectDirectoryOrFileEP12QListBoxItem [qt-mt]
_ZN11QFileDialog21selectDirectoryOrFileEP13QListViewItem [qt-mt]	_ZN11QFileDialog21setInfoPreviewEnabledEb [qt-mt]
_ZN11QFileDialog23listBoxSelectionChangedEv [qt-mt]	_ZN11QFileDialog25fileNameEditReturnPressedEv [qt-mt]
_ZN11QFileDialog25setContentsPreviewEnabledEb [qt-mt]	_ZN11QFileDialog26detailViewSelectionChangedEv [qt-mt]
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_ZN11QFileDialog4initEv [qt-mt]	_ZN11QFileDialog6goBackEv [qt-mt]
_ZN11QFileDialog6setDirERK4QDir [qt-mt]	_ZN11QFileDialog6setDirERK7QString [qt-mt]
_ZN11QFileDialog6setUrlERK12QUrlOperator [qt-mt]	_ZN11QFileDialog6trUtf8EPKcS1_ [qt-mt]
_ZN11QFileDialog7qt_castEPKc [qt-mt]	_ZN11QFileDialog7qt_emitEiP8QUObject [qt-mt]
_ZN11QFileDialog7setModeENS_4ModeE [qt-mt]	_ZN11QFileDialog8stopCopyEv [qt-mt]
_ZN11QFileDialog8urlStartEP17QNetworkOperation [qt-mt]	_ZN11QFileDialog9addFilterERK7QString [qt-mt]
_ZN11QFileDialog9okClickedEv [qt-mt]	_ZN11QFileDialog9qt_invokeEiP8QUObject [qt-mt]
_ZN11QFileDialog9rereadDirEv [qt-mt]	_ZN11QFileDialog9resortDirEv [qt-mt]
_ZN11QFileDialog9selectAllEb [qt-mt]	_ZN11QFileDialog9setFilterERK7QString [qt-mt]
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_ZN11QFileDialogD2Ev [qt-mt]	_ZN11QFocusEvent11resetReasonEv [qt-mt]
_ZN11QFocusEvent6reasonEv [qt-mt]	_ZN11QFocusEvent9setReasonENS_6ReasonE [qt-mt]
_ZN11QFontDialog11eventFilterEP7QObjectP6QEvent [qt-mt]	_ZN11QFontDialog11qt_propertyEiiP8QVariant [qt-mt]
_ZN11QFontDialog11sizeChangedERK7QString [qt-mt]	_ZN11QFontDialog11updateSizesEv [qt-mt]
_ZN11QFontDialog12updateSample	_ZN11QFontDialog12updateStylesEv

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_ZN11QFontDialog16staticMetaObje ctEv [qt-mt]	_ZN11QFontDialog16styleHighlighte dEi [qt-mt]
_ZN11QFontDialog17familyHighligh tedEi [qt-mt]	_ZN11QFontDialog17scriptHighlight edEi [qt-mt]
_ZN11QFontDialog18qt_static_prope rtyEP7QObjectiiP8QVariant [qt-mt]	_ZN11QFontDialog2trEPKcS1_ [qt-mt]
ZN11QFontDialog6trUtf8EPKcS1 [qt-mt]	_ZN11QFontDialog7getFontEPbP7Q WidgetPKc [qt-mt]
_ZN11QFontDialog7getFontEPbPK5 QFontP7QWidgetPKc [qt-mt]	_ZN11QFontDialog7getFontEPbRK5 QFontP7QWidgetPKc [qt-mt]
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_ZN11QFontDialog7setFontERK5QF ont [qt-mt]	_ZN11QFontDialog9qt_invokeEiP8Q UObject [qt-mt]
_ZN11QFontDialogC1EP7QWidgetP Kcbj [qt-mt]	_ZN11QFontDialogC2EP7QWidgetP Kcbj [qt-mt]
_ZN11QFontDialogD0Ev [qt-mt]	_ZN11QFontDialogD1Ev [qt-mt]
_ZN11QFontDialogD2Ev [qt-mt]	_ZN11QGLColormap10setEntriesEiP Kji [qt-mt]
_ZN11QGLColormap6detachEv [qt-mt]	_ZN11QGLColormap8setEntryEiRK6 QColor [qt-mt]
_ZN11QGLColormap8setEntryEij [qt-mt]	_ZN11QGLColormapC1ERKS_ [qt-mt]
_ZN11QGLColormapC1Ev [qt-mt]	_ZN11QGLColormapC2ERKS_ [qt-mt]
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_ZN11QGLColormapD2Ev [qt-mt]	_ZN11QGLColormapaSERKS_ [qt-mt]
ZN11QGridLayout10findWidgetEP 7QWidgetPiS2 [qt-mt]	_ZN11QGridLayout10invalidateEv [qt-mt]
_ZN11QGridLayout11qt_propertyEii P8QVariant [qt-mt]	_ZN11QGridLayout11setGeometryE RK5QRect [qt-mt]
_ZN11QGridLayout12addMultiCellE P11QLayoutItemiiiii [qt-mt]	_ZN11QGridLayout13addColSpacin gEii [qt-mt]
_ZN11QGridLayout13addRowSpaci ngEii [qt-mt]	_ZN11QGridLayout13setColSpacing Eii [qt-mt]
_ZN11QGridLayout13setColStretchE ii [qt-mt]	_ZN11QGridLayout13setRowSpacin gEii [qt-mt]
_ZN11QGridLayout13setRowStretch	_ZN11QGridLayout16staticMetaObje

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_ZN11QGridLayout3addEP11QLayoutItemii [qt-mt]	_ZN11QGridLayout4initEii [qt-mt]
_ZN11QGridLayout6expandEii [qt-mt]	_ZN11QGridLayout6trUtf8EPKcS1_ [qt-mt]
_ZN11QGridLayout7addItemEP11QLayoutItem [qt-mt]	_ZN11QGridLayout7addItemEP11QLayoutItemii [qt-mt]
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_ZN11QGridLayout9addWidgetEP7QWidgetiii [qt-mt]	_ZN11QGridLayout9qt_invokeEiP8QUObject [qt-mt]
_ZN11QGridLayout9setOriginENS_6CornerE [qt-mt]	_ZN11QGridLayoutC1EP7QLayoutiiiPKc [qt-mt]
_ZN11QGridLayoutC1EP7QWidgetiiiPKc [qt-mt]	_ZN11QGridLayoutC1EiiiPKc [qt-mt]
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_ZN11QGridLayoutD1Ev [qt-mt]	_ZN11QGridLayoutD2Ev [qt-mt]
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_ZN11QHBoxLayout18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN11QHBoxLayout2trEPKcS1_ [qt-mt]
ZN11QHBoxLayout6trUtf8EPKcS1 [qt-mt]	_ZN11QHBoxLayout7qt_castEPKc [qt-mt]
_ZN11QHBoxLayout7qt_emitEiP8QUObject [qt-mt]	_ZN11QHBoxLayout9qt_invokeEiP8QUObject [qt-mt]
_ZN11QHBoxLayoutC1EP7QLayoutiPKc [qt-mt]	_ZN11QHBoxLayoutC1EP7QWidgetiiPKc [qt-mt]
_ZN11QHBoxLayoutC1EiPKc [qt-mt]	_ZN11QHBoxLayoutC2EP7QLayoutiPKc [qt-mt]
_ZN11QHBoxLayoutC2EP7QWidgetiiPKc [qt-mt]	_ZN11QHBoxLayoutC2EiPKc [qt-mt]
_ZN11QHBoxLayoutD0Ev [qt-mt]	_ZN11QHBoxLayoutD1Ev [qt-mt]

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_ZN11QHBoxLayoutD2Ev [qt-mt]	_ZN11QHttpHeader11removeValueERK7QString [qt-mt]
_ZN11QHttpHeader14setContentTypeERK7QString [qt-mt]	_ZN11QHttpHeader16setContentLengthEi [qt-mt]
_ZN11QHttpHeader5parseERK7QString [qt-mt]	_ZN11QHttpHeader8setValidEb [qt-mt]
ZN11QHttpHeader8setValueERK7QStringS2 [qt-mt]	_ZN11QHttpHeader9parseLineERK7QStringi [qt-mt]
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_ZN11QHttpHeaderD2Ev [qt-mt]	_ZN11QHttpHeaderaSERKS_ [qt-mt]
_ZN11QLayoutItem10invalidateEv [qt-mt]	_ZN11QLayoutItem10spacerItemEv [qt-mt]
_ZN11QLayoutItem12setAlignmentEi [qt-mt]	_ZN11QLayoutItem6layoutEv [qt-mt]
_ZN11QLayoutItem6widgetEv [qt-mt]	_ZN11QLayoutItem8iteratorEv [qt-mt]
_ZN11QLayoutItemD0Ev [qt-mt]	_ZN11QLayoutItemD1Ev [qt-mt]
_ZN11QLayoutItemD2Ev [qt-mt]	_ZN11QMainWindow10childEventEP11QChildEvent [qt-mt]
_ZN11QMainWindow10paintEventEP11QPaintEvent [qt-mt]	_ZN11QMainWindow10setMenuBarEP8QMenuBar [qt-mt]
_ZN11QMainWindow11dockingAreaERK6QPoint [qt-mt]	_ZN11QMainWindow11eventFilterEP7QObjectP6QEvent [qt-mt]
_ZN11QMainWindow11qt_propertyEiiP8QVariant [qt-mt]	_ZN11QMainWindow11setUpLayoutEv [qt-mt]
_ZN11QMainWindow11styleChangeER6QStyle [qt-mt]	_ZN11QMainWindow12setStatusBarEP10QStatusBar [qt-mt]
_ZN11QMainWindow12showDockMenuERK6QPoint [qt-mt]	_ZN11QMainWindow13addDockWindowEP11QDockWindowN2Qt4DockEb [qt-mt]
_ZN11QMainWindow13addDockWindowEP11QDockWindowRK7QStringN2Qt4DockEb [qt-mt]	_ZN11QMainWindow13hasDockWindowEP11QDockWindow [qt-mt]
_ZN11QMainWindow13triggerLayoutEb [qt-mt]	_ZN11QMainWindow14dockMainWindowEP7QObject [qt-mt]
_ZN11QMainWindow14moveDock	_ZN11QMainWindow14moveDock

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_ZN11QMainWindow14setAppropriateEP11QDockWindowb [qt-mt]	_ZN11QMainWindow14setDockEnabledEN2Qt4DockEb [qt-mt]
_ZN11QMainWindow14setDockEnabledEP11QDockWindowN2Qt4DockEb [qt-mt]	_ZN11QMainWindow15menuAboutToShowEv [qt-mt]
_ZN11QMainWindow15setOpaqueMovingEb [qt-mt]	_ZN11QMainWindow15setToolTipGroupEP13QToolTipGroup [qt-mt]
_ZN11QMainWindow16removeDockWindowEP11QDockWindow [qt-mt]	_ZN11QMainWindow16setCentralWidgetEP7QWidget [qt-mt]
_ZN11QMainWindow16setUsesTextLabelEb [qt-mt]	_ZN11QMainWindow16slotPlaceChangedEv [qt-mt]
_ZN11QMainWindow16staticMetaObjectEv [qt-mt]	_ZN11QMainWindow17lineUpDockWindowsEb [qt-mt]
_ZN11QMainWindow17pixmapSizeChangedEb [qt-mt]	_ZN11QMainWindow17setUsesBigPixmapsEb [qt-mt]
_ZN11QMainWindow18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN11QMainWindow18setDockMenuEnabledEb [qt-mt]
_ZN11QMainWindow20usesTextLabelChangedEb [qt-mt]	_ZN11QMainWindow21setDockWindowsMovableEb [qt-mt]
_ZN11QMainWindow21setRightJustificationEb [qt-mt]	_ZN11QMainWindow22toolBarPositionChangedEP8QToolBar [qt-mt]
_ZN11QMainWindow25dockWindowPositionChangedEP11QDockWindow [qt-mt]	_ZN11QMainWindow2trEPKcS1_ [qt-mt]
_ZN11QMainWindow4hideEv [qt-mt]	_ZN11QMainWindow4showEv [qt-mt]
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_ZN11QMainWindow7qt_castEPKc [qt-mt]	_ZN11QMainWindow7qt_emitEiP8QUObject [qt-mt]
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_ZN11QMainWindow9whatsThisEv [qt-mt]	_ZN11QMainWindowC1EP7QWidgetPKcj [qt-mt]
_ZN11QMainWindowC2EP7QWidgetPKcj [qt-mt]	_ZN11QMainWindowD0Ev [qt-mt]
_ZN11QMainWindowD1Ev [qt-mt]	_ZN11QMainWindowD2Ev [qt-mt]
_ZN11QMessageBox10adjustSizeEv [qt-mt]	_ZN11QMessageBox10closeEventEP11QCloseEvent [qt-mt]
_ZN11QMessageBox11informationE	_ZN11QMessageBox11informationE

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P7QWidgetRK7QStringS4_S4_S4_S4_ii [qt-mt]	P7QWidgetRK7QStringS4_iii [qt-mt]
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_ZN11QMessageBox12standardIconENS_4IconE [qt-mt]	_ZN11QMessageBox12standardIconENS_4IconEN2Qt8GUIStyleE [qt-mt]
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_ZN11QMessageBox13keyPressEventEP9QKeyEvent [qt-mt]	_ZN11QMessageBox13resizeButtonsEv [qt-mt]
_ZN11QMessageBox13setButtonTextEiRK7QString [qt-mt]	_ZN11QMessageBox13setIconPixmapERK7QPixmap [qt-mt]
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_ZN11QMetaObjectD2Ev [qt-mt]	_ZN11QMimeSource10clearCacheEv [qt-mt]
_ZN11QMimeSourceC1Ev [qt-mt]	_ZN11QMimeSourceC2Ev [qt-mt]
_ZN11QMimeSourceD0Ev [qt-mt]	_ZN11QMimeSourceD1Ev [qt-mt]
_ZN11QMimeSourceD2Ev [qt-mt]	_ZN11QMouseEventC1EN6QEvent4TypeERK6QPointii [qt-mt]
_ZN11QMouseEventC2EN6QEvent4TypeERK6QPointii [qt-mt]	_ZN11QPointArray11makeEllipseEiiii [qt-mt]
_ZN11QPointArray12cleanBuffersEv [qt-mt]	_ZN11QPointArray7makeArcEiiiiii [qt-mt]
_ZN11QPointArray7makeArcEiiiiiiRK8QWMatrix [qt-mt]	_ZN11QPointArray8setPointEjii [qt-mt]
_ZN11QPointArray9putPointsEiiPKi [qt-mt]	_ZN11QPointArray9putPointsEiiRKS_i [qt-mt]
_ZN11QPointArray9putPointsEiiiiz [qt-mt]	_ZN11QPointArray9setPointsEiPKi [qt-mt]
_ZN11QPointArray9setPointsEiiiz [qt-mt]	_ZN11QPointArray9translateEii [qt-mt]
_ZN11QPointArrayC1ERK5QRectb [qt-mt]	_ZN11QPointArrayC1EiPKi [qt-mt]
_ZN11QPointArrayC2ERK5QRectb [qt-mt]	_ZN11QPointArrayC2EiPKi [qt-mt]
_ZN11QPushButton10drawButtonEP8QPainter [qt-mt]	_ZN11QPushButton10setDefaultEb [qt-mt]

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_ZN11QPushButton10setIconSetERK8QIconSet [qt-mt]	_ZN11QPushButton10updateMaskEv [qt-mt]
_ZN11QPushButton11qt_propertyEiiP8QVariant [qt-mt]	_ZN11QPushButton11resizeEventEP12QResizeEvent [qt-mt]
_ZN11QPushButton11setGeometryERK5QRect [qt-mt]	_ZN11QPushButton11setGeometryEiiii [qt-mt]
_ZN11QPushButton12focusInEventEP11QFocusEvent [qt-mt]	_ZN11QPushButton12popupPressedEv [qt-mt]
_ZN11QPushButton13focusOutEventEP11QFocusEvent [qt-mt]	_ZN11QPushButton14setAutoDefaultEb [qt-mt]
_ZN11QPushButton15drawButtonLabelEP8QPainter [qt-mt]	_ZN11QPushButton15setToggleButtonEb [qt-mt]
_ZN11QPushButton16staticMetaObjectEv [qt-mt]	_ZN11QPushButton18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
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_ZN11QPushButton4moveERK6QPoint [qt-mt]	_ZN11QPushButton4moveEii [qt-mt]
_ZN11QPushButton5setOnEb [qt-mt]	_ZN11QPushButton6resizeERK5QSize [qt-mt]
_ZN11QPushButton6resizeEii [qt-mt]	_ZN11QPushButton6trUtf8EPKcS1_ [qt-mt]
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_ZN11QPushButton7setFlatEb [qt-mt]	_ZN11QPushButton8setPopupEP10QPopupMenu [qt-mt]
_ZN11QPushButton9qt_invokeEiP8QUObject [qt-mt]	_ZN11QPushButtonC1EP7QWidgetPKc [qt-mt]
_ZN11QPushButtonC1ERK7QStringP7QWidgetPKc [qt-mt]	_ZN11QPushButtonC1ERK8QIconSetRK7QStringP7QWidgetPKc [qt-mt]
_ZN11QPushButtonC2EP7QWidgetPKc [qt-mt]	_ZN11QPushButtonC2ERK7QStringP7QWidgetPKc [qt-mt]
_ZN11QPushButtonC2ERK8QIconSetRK7QStringP7QWidgetPKc [qt-mt]	_ZN11QPushButtonD0Ev [qt-mt]
_ZN11QPushButtonD1Ev [qt-mt]	_ZN11QPushButtonD2Ev [qt-mt]
_ZN11QScrollView10fontChangeERK5QFont [qt-mt]	_ZN11QScrollView10setEnabledEb [qt-mt]
_ZN11QScrollView10setMarginsEiiii [qt-mt]	_ZN11QScrollView10wheelEventEP11QWheelEvent [qt-mt]
_ZN11QScrollView11eventFilterEP7QObjectP6QEvent [qt-mt]	_ZN11QScrollView11qt_propertyEiiP8QVariant [qt-mt]
_ZN11QScrollView11removeChildEP	_ZN11QScrollView11removeChildEP

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_ZN11QScrollView12drawContentsEP8QPainter [qt-mt]	_ZN11QScrollView12drawContentsEP8QPainteriiii [qt-mt]
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_ZN11QScrollView13enableClipperEb [qt-mt]	_ZN11QScrollView13ensureVisibleEii [qt-mt]
_ZN11QScrollView13ensureVisibleEiii [qt-mt]	_ZN11QScrollView13hbarIsPressedEv [qt-mt]
_ZN11QScrollView13vbarIsPressedEv [qt-mt]	_ZN11QScrollView14contentsMovingEii [qt-mt]
_ZN11QScrollView14hbarIsReleasedEv [qt-mt]	_ZN11QScrollView14mouseMoveEventEP11QMouseEvent [qt-mt]
_ZN11QScrollView14resizeContentsEii [qt-mt]	_ZN11QScrollView14setContentsPosEii [qt-mt]
_ZN11QScrollView14updateContentsERK5QRect [qt-mt]	_ZN11QScrollView14updateContentsEiiii [qt-mt]
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_ZN11QScrollView15changeFrameRectERK5QRect [qt-mt]	_ZN11QScrollView15mousePressEventEP11QMouseEvent [qt-mt]
_ZN11QScrollView15repaintContentsERK5QRectb [qt-mt]	_ZN11QScrollView15repaintContentsEb [qt-mt]
_ZN11QScrollView15repaintContentsEiiiib [qt-mt]	_ZN11QScrollView15setCornerWidgetEP7QWidget [qt-mt]
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_ZN11QScrollView15setVBarGeometryER10QScrollBariiii [qt-mt]	_ZN11QScrollView16contextMenuEventEP17QContextMenuEvent [qt-mt]
_ZN11QScrollView16doDragAutoScrollEv [qt-mt]	_ZN11QScrollView16staticMetaObjectEv [qt-mt]
_ZN11QScrollView16updateScrollBarsEv [qt-mt]	_ZN11QScrollView17contentsDropEventEP10QDropEvent [qt-mt]
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_ZN11QScrollView17setHScrollBarModeENS_13ScrollBarModeE [qt-mt]	_ZN11QScrollView17setVScrollBarModeENS_13ScrollBarModeE [qt-mt]
_ZN11QScrollView17viewportDropEventEP10QDropEvent [qt-mt]	_ZN11QScrollView18contentsWheelEventEP11QWheelEvent [qt-mt]
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_ZN11QScrollView18viewportPaintEventEP11QPaintEvent [qt-mt]	_ZN11QScrollView18viewportWheelEventEP11QWheelEvent [qt-mt]
_ZN11QScrollView19setStaticBackgroundEb [qt-mt]	_ZN11QScrollView19startDragAutoScrollEv [qt-mt]
_ZN11QScrollView19viewportResizeEventEP12QResizeEvent [qt-mt]	_ZN11QScrollView21contentsDragMoveEventEP14QDragMoveEvent [qt-mt]
_ZN11QScrollView21mouseDoubleClickEventEP11QMouseEvent [qt-mt]	_ZN11QScrollView21verticalSliderPressedEv [qt-mt]
_ZN11QScrollView21viewportDragMoveEventEP14QDragMoveEvent [qt-mt]	_ZN11QScrollView22contentsDragEnterEventEP15QDragEnterEvent [qt-mt]
_ZN11QScrollView22contentsDragLeaveEventEP15QDragLeaveEvent [qt-mt]	_ZN11QScrollView22contentsMouseMoveEventEP11QMouseEvent [qt-mt]
_ZN11QScrollView22disableSizeHintCachingEv [qt-mt]	_ZN11QScrollView22verticalSliderReleasedEv [qt-mt]
_ZN11QScrollView22viewportDragEnterEventEP15QDragEnterEvent [qt-mt]	_ZN11QScrollView22viewportDragLeaveEventEP15QDragLeaveEvent [qt-mt]
_ZN11QScrollView22viewportMouseMoveEventEP11QMouseEvent [qt-mt]	_ZN11QScrollView23contentsMousePressEventEP11QMouseEvent [qt-mt]
_ZN11QScrollView23horizontalSliderPressedEv [qt-mt]	_ZN11QScrollView23isVerticalSliderPressedEv [qt-mt]
_ZN11QScrollView23viewportMousePressEventEP11QMouseEvent [qt-mt]	_ZN11QScrollView24contentsContextMenuEventEP17QContextMenuEvent [qt-mt]
_ZN11QScrollView24horizontalSliderReleasedEv [qt-mt]	_ZN11QScrollView24viewportContextMenuEventEP17QContextMenuEvent [qt-mt]
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_ZN11QScrollView25viewportMouseReleaseEventEP11QMouseEvent [qt-mt]	_ZN11QScrollView29contentsMouseDoubleClickEventEP11QMouseEvent [qt-mt]
_ZN11QScrollView29viewportMouseDoubleClickEventEP11QMouseEvent [qt-mt]	_ZN11QScrollView2trEPKcS1_ [qt-mt]
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_ZN11QScrollView6childYEP7QWidget [qt-mt]	_ZN11QScrollView6hslideEi [qt-mt]
_ZN11QScrollView6resizeERK5QSize [qt-mt]	_ZN11QScrollView6resizeEii [qt-mt]
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_ZN11QScrollView9moveChildEP7QWidgetii [qt-mt]	_ZN11QScrollView9qt_invokeEiP8QUObject [qt-mt]
_ZN11QScrollViewC1EP7QWidgetPKcj [qt-mt]	_ZN11QScrollViewC2EP7QWidgetPKcj [qt-mt]
_ZN11QScrollViewD0Ev [qt-mt]	_ZN11QScrollViewD1Ev [qt-mt]
_ZN11QScrollViewD2Ev [qt-mt]	_ZN11QSpacerItem10changeSizeEiiN11QSizePolicy8SizeTypeES1_ [qt-mt]
_ZN11QSpacerItem10spacerItemEv [qt-mt]	_ZN11QSpacerItem11setGeometryERK5QRect [qt-mt]
_ZN11QSpinWidget10editWidgetEv [qt-mt]	_ZN11QSpinWidget10paintEventEP11QPaintEvent [qt-mt]
_ZN11QSpinWidget10wheelEventEP11QWheelEvent [qt-mt]	_ZN11QSpinWidget11qt_propertyEiiP8QVariant [qt-mt]
_ZN11QSpinWidget11resizeEventEP12QResizeEvent [qt-mt]	_ZN11QSpinWidget11styleChangeER6QStyle [qt-mt]
_ZN11QSpinWidget11timerDoneExEv [qt-mt]	_ZN11QSpinWidget12setUpEnabledEb [qt-mt]
_ZN11QSpinWidget13enableChangedEb [qt-mt]	_ZN11QSpinWidget13setEditWidgetEP7QWidget [qt-mt]
_ZN11QSpinWidget13stepUpPressedEv [qt-mt]	_ZN11QSpinWidget13updateDisplayEv [qt-mt]
_ZN11QSpinWidget14mouseMoveEventEP11QMouseEvent [qt-mt]	_ZN11QSpinWidget14setDownEnabledEb [qt-mt]
_ZN11QSpinWidget15mousePressEventEP11QMouseEvent [qt-mt]	_ZN11QSpinWidget15stepDownPressedEv [qt-mt]
_ZN11QSpinWidget16setButtonSymbolsENS_13ButtonSymbolsE [qt-mt]	_ZN11QSpinWidget16staticMetaObjectEv [qt-mt]
_ZN11QSpinWidget17mouseReleaseEventEP11QMouseEvent [qt-mt]	_ZN11QSpinWidget18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]

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_ZN11QSpinWidget22windowActivationChangeEb [qt-mt]	_ZN11QSpinWidget2trEPKcS1_ [qt-mt]
_ZN11QSpinWidget6stepUpEv [qt-mt]	_ZN11QSpinWidget6trUtf8EPKcS1_ [qt-mt]
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_ZN11QSpinWidget7qt_emitEiP8QUObject [qt-mt]	_ZN11QSpinWidget8stepDownEv [qt-mt]
_ZN11QSpinWidget9qt_invokeEiP8QUObject [qt-mt]	_ZN11QSpinWidget9timerDoneEv [qt-mt]
_ZN11QSpinWidgetC1EP7QWidgetPKc [qt-mt]	_ZN11QSpinWidgetC2EP7QWidgetPKc [qt-mt]
_ZN11QSpinWidgetD0Ev [qt-mt]	_ZN11QSpinWidgetD1Ev [qt-mt]
_ZN11QSpinWidgetD2Ev [qt-mt]	_ZN11QStoredDrag11qt_propertyEiiP8QVariant [qt-mt]
_ZN11QStoredDrag14setEncodedDataERK9QMemArrayIcE [qt-mt]	_ZN11QStoredDrag16staticMetaObjectEv [qt-mt]
_ZN11QStoredDrag18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN11QStoredDrag2trEPKcS1_ [qt-mt]
ZN11QStoredDrag6trUtf8EPKcS1 [qt-mt]	_ZN11QStoredDrag7qt_castEPKc [qt-mt]
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_ZN11QStoredDragD0Ev [qt-mt]	_ZN11QStoredDragD1Ev [qt-mt]
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_ZN11QStringList11fromStrListERK8QStrList [qt-mt]	_ZN11QStringList4gresERK7QRegExpRK7QString [qt-mt]
_ZN11QStringList4gresERK7QStringS2_b [qt-mt]	_ZN11QStringList4sortEv [qt-mt]
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_ZN11QStringList5splitERK7QStringS2_b [qt-mt]	_ZN11QStyleSheet11qt_propertyEiiP8QVariant [qt-mt]
_ZN11QStyleSheet12defaultSheetEv [qt-mt]	_ZN11QStyleSheet15mightBeRichTextERK7QString [qt-mt]
ZN11QStyleSheet15setDefaultSheetEPS [qt-mt]	_ZN11QStyleSheet16staticMetaObjectEv [qt-mt]
_ZN11QStyleSheet18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN11QStyleSheet20convertFromPlainTextERK7QStringN15QStyleSheetIt

	em14WhiteSpaceModeE [qt-mt]
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_ZN11QStyleSheet4itemERK7QString [qt-mt]	_ZN11QStyleSheet6escapeERK7QString [qt-mt]
_ZN11QStyleSheet6insertEP15QStyleSheetItem [qt-mt]	_ZN11QStyleSheet6trUtf8EPKcS1_ [qt-mt]
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_ZN11QStyleSheetC2EP7QObjectPKc [qt-mt]	_ZN11QStyleSheetD0Ev [qt-mt]
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_ZN11QTextStream10output_intEimb [qt-mt]	_ZN11QTextStream10ts_getlineEP5QChar [qt-mt]
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_ZN11QTextStream10writeBlockEPK5QCharj [qt-mt]	_ZN11QTextStream10writeBlockEPKcj [qt-mt]
_ZN11QTextStream11setEncodingENS_8EncodingE [qt-mt]	_ZN11QTextStream11unsetDeviceEv [qt-mt]
_ZN11QTextStream12input_doubleEv [qt-mt]	_ZN11QTextStream12readRawBytesEPcj [qt-mt]
_ZN11QTextStream13writeRawBytesEPKcj [qt-mt]	_ZN11QTextStream14skipWhiteSpaceEv [qt-mt]
_ZN11QTextStream4initEv [qt-mt]	_ZN11QTextStream4readEv [qt-mt]
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_ZN11QTextStreamC1EP9QIODevice [qt-mt]	_ZN11QTextStreamC1ER7QStringi [qt-mt]
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_ZN11QToolButton10enterEventEP6QEvent [qt-mt]	_ZN11QToolButton10leaveEventEP6QEvent [qt-mt]
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_ZN11QToolButton11eventFilterEP7QObjectP6QEvent [qt-mt]	_ZN11QToolButton11qt_propertyEiiP8QVariant [qt-mt]
_ZN11QToolButton12popupPressed	_ZN11QToolButton12setAutoRaiseE

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_ZN11QToolButton12setTextLabelERK7QStringb [qt-mt]	_ZN11QToolButton13paletteChangeERK8QPalette [qt-mt]
_ZN11QToolButton13setOffIconSetERK8QIconSet [qt-mt]	_ZN11QToolButton13setPopupDelayEi [qt-mt]
_ZN11QToolButton14popupTimerDoneEv [qt-mt]	_ZN11QToolButton15drawButtonLabelEP8QPainter [qt-mt]
_ZN11QToolButton15mousePressEventEP11QMouseEvent [qt-mt]	_ZN11QToolButton15setTextPositionENS_12TextPositionE [qt-mt]
_ZN11QToolButton15setToggleButtonEb [qt-mt]	_ZN11QToolButton16setUsesBigPixmapEb [qt-mt]
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_ZN11QToolButton6toggleEv [qt-mt]	_ZN11QToolButton6trUtf8EPKcS1_ [qt-mt]
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_ZN11QToolButton9moveEventEP10QMoveEvent [qt-mt]	_ZN11QToolButton9openPopupEv [qt-mt]
_ZN11QToolButton9qt_invokeEiP8QUObject [qt-mt]	_ZN11QToolButtonC1EN2Qt9ArrowTypeEP7QWidgetPKc [qt-mt]
_ZN11QToolButtonC1EP7QWidgetPKc [qt-mt]	_ZN11QToolButtonC1ERK8QIconSetRK7QStringS5_P7QObjectPKcP8QToolBarS9_ [qt-mt]
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_ZN11QTranslator18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN11QTranslator2trEPKcS1_ [qt-mt]
_ZN11QTranslator4loadERK7QStrin	_ZN11QTranslator4saveERK7QStrin

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_ZN11QTranslator6removeERK18QTranslatorMessage [qt-mt]	_ZN11QTranslator6trUtf8EPKcS1_ [qt-mt]
_ZN11QTranslator7do_loadEPKhi [qt-mt]	_ZN11QTranslator7qt_castEPKc [qt-mt]
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_ZN11QTranslator9qt_invokeEiP8QUObject [qt-mt]	_ZN11QTranslator9unsqueezeEv [qt-mt]
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_ZN11QVBoxLayoutD2Ev [qt-mt]	_ZN11QWheelEventC1ERK6QPointiiN2Qt11OrientationE [qt-mt]
_ZN11QWheelEventC2ERK6QPointiiN2Qt11OrientationE [qt-mt]	_ZN11QWidgetItem11setGeometryERK5QRect [qt-mt]
_ZN11QWidgetItem6widgetEv [qt-mt]	_ZN11QXmlLocatorC1Ev [qt-mt]
_ZN11QXmlLocatorC2Ev [qt-mt]	_ZN11QXmlLocatorD0Ev [qt-mt]
_ZN11QXmlLocatorD1Ev [qt-mt]	_ZN11QXmlLocatorD2Ev [qt-mt]
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_ZN12QActionGroup10setEnabledEb [qt-mt]	_ZN12QActionGroup10setIconSetERK8QIconSet [qt-mt]
_ZN12QActionGroup10setToolTipERK7QString [qt-mt]	_ZN12QActionGroup11qt_propertyEiiP8QVariant [qt-mt]
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_ZN12QActionGroup12childToggledEb [qt-mt]	_ZN12QActionGroup12setExclusiveEb [qt-mt]
_ZN12QActionGroup12setWhatsThisERK7QString [qt-mt]	_ZN12QActionGroup14childDestroyedEv [qt-mt]
_ZN12QActionGroup14internalToggleEP7QAction [qt-mt]	_ZN12QActionGroup15objectDestroyedEv [qt-mt]
_ZN12QActionGroup15setToggleActionEb [qt-mt]	_ZN12QActionGroup15setUsesDropDownEb [qt-mt]
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_ZN12QActionGroup5addToEP7QW	_ZN12QActionGroup5setOnEb [qt-

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_ZN12QActionGroup7addedToEiP10QPopupMenuP7QAction [qt-mt]	_ZN12QActionGroup7qt_castEPKc [qt-mt]
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_ZN12QActionGroup8selectedEP7QAction [qt-mt]	_ZN12QActionGroup9qt_invokeEiP8QUObject [qt-mt]
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_ZN12QActionGroupD2Ev [qt-mt]	_ZN12QApplication10allWidgetsEv [qt-mt]
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_ZN12QApplication13startDragTimeEv [qt-mt]	_ZN12QApplication14addLibraryPathERK7QString [qt-mt]
_ZN12QApplication14guiThreadAwakeEv [qt-mt]	_ZN12QApplication14internalNotifyEP7QObjectP6QEvent [qt-mt]
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_ZN12QApplication15processOneEventEv [qt-mt]	_ZN12QApplication15process_cmdlineEPiPPc [qt-mt]
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_ZN12QApplication15setLibraryPathsERK11QStringList [qt-mt]	_ZN12QApplication15topLevelWidgetsEv [qt-mt]
_ZN12QApplication15wakeUpGuiThreadEv [qt-mt]	_ZN12QApplication15x11ProcessEventEP7_XEvent [qt-mt]
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_ZN12QApplication16removeTranslatorEP11QTranslator [qt-mt]	_ZN12QApplication16sendPostedEventsEP7QObjecti [qt-mt]
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_ZN12QApplication16setReverseLayoutEb [qt-mt]	_ZN12QApplication16setStartDragTimeEi [qt-mt]
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_ZN12QApplication16x11ClientMessageEP7QWidgetP7_XEventb [qt-mt]	_ZN12QApplication17activeModalWidgetEv [qt-mt]
_ZN12QApplication17activePopupWidgetEv [qt-mt]	_ZN12QApplication17installTranslatorEP11QTranslator [qt-mt]
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_ZN12QApplication18applicationDirPathEv [qt-mt]	_ZN12QApplication18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
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_ZN12QApplication18x11_apply_settingsEv [qt-mt]	_ZN12QApplication19applicationFilePathEv [qt-mt]
_ZN12QApplication19doubleClickIntervalEv [qt-mt]	_ZN12QApplication19setWheelScrollLinesEi [qt-mt]
_ZN12QApplication20desktopSettingsAwareEv [qt-mt]	_ZN12QApplication20setStartDragDistanceEi [qt-mt]
_ZN12QApplication20x11_initialize_styleEv [qt-mt]	_ZN12QApplication21restoreOverrideCursorEv [qt-mt]

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_ZN12QApplication22setDoubleClickIntervalEi [qt-mt]	_ZN12QApplication22setGlobalMouseTrackingEb [qt-mt]
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_ZN12QApplication4exitEi [qt-mt]	_ZN12QApplication4fontEPK7QWidget [qt-mt]
_ZN12QApplication4lockEv [qt-mt]	_ZN12QApplication4quitEv [qt-mt]
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_ZN12QCustomEventC2Ei [qt-mt]	_ZN12QDataBrowser10readFieldsEv [qt-mt]

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_ZN12QDataBrowser13cursorChangedEN10QSqlCursor4ModeE [qt-mt]	_ZN12QDataBrowser13deleteCurrentEv [qt-mt]
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_ZN12QDomNotationD0Ev [qt-mt]	_ZN12QDomNotationD1Ev [qt-mt]
_ZN12QDomNotationD2Ev [qt-mt]	_ZN12QDomNotationaSERKS_ [qt-mt]
_ZN12QDragManager10timerEventEP11QTimerEvent [qt-mt]	_ZN12QDragManager10updateModeEN2Qt11ButtonStateE [qt-mt]
_ZN12QDragManager11eventFilterEP7QObjectP6QEvent [qt-mt]	_ZN12QDragManager11qt_propertyEiiP8QVariant [qt-mt]
_ZN12QDragManager12updateCursorEv [qt-mt]	_ZN12QDragManager12updatePixmapEv [qt-mt]
_ZN12QDragManager16staticMetaO	_ZN12QDragManager18qt_static_pr

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ZN12QDragManager2trEPKcS1 [qt-mt]	_ZN12QDragManager4dragEP11QDragObjectNS0_8DragModeE [qt-mt]
_ZN12QDragManager4dropEv [qt-mt]	_ZN12QDragManager4moveERK6QPoint [qt-mt]
_ZN12QDragManager6cancelEb [qt-mt]	_ZN12QDragManager6trUtf8EPKcS1_ [qt-mt]
_ZN12QDragManager7qt_castEPKc [qt-mt]	_ZN12QDragManager7qt_emitEiP8QUObject [qt-mt]
_ZN12QDragManager9qt_invokeEiP8QUObject [qt-mt]	_ZN12QDragManagerC1Ev [qt-mt]
_ZN12QDragManagerC2Ev [qt-mt]	_ZN12QDragManagerD0Ev [qt-mt]
_ZN12QDragManagerD1Ev [qt-mt]	_ZN12QDragManagerD2Ev [qt-mt]
_ZN12QFilePreviewC1Ev [qt-mt]	_ZN12QFilePreviewC2Ev [qt-mt]
_ZN12QFontMetricsC1EPK8QPainter [qt-mt]	_ZN12QFontMetricsC1ERK5QFont [qt-mt]
_ZN12QFontMetricsC1ERK5QFontNS0_6ScriptE [qt-mt]	_ZN12QFontMetricsC1ERKS_ [qt-mt]
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_ZN12QFontMetricsD1Ev [qt-mt]	_ZN12QFontMetricsD2Ev [qt-mt]
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_ZN12QGb2312CodecC2Ev [qt-mt]	_ZN12QHostAddress10setAddressEPh [qt-mt]
_ZN12QHostAddress10setAddressERK7QString [qt-mt]	_ZN12QHostAddress10setAddressEj [qt-mt]
_ZN12QHostAddressC1EPh [qt-mt]	_ZN12QHostAddressC1ERK10Q_IPV6ADDR [qt-mt]
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_ZN12QHostAddressD0Ev [qt-mt]	_ZN12QHostAddressD1Ev [qt-mt]

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_ZN12QIconFactory12createPixmapERK8QIconSetNS0_4SizeENS0_4ModeENS0_5StateE [qt-mt]	_ZN12QIconFactory14defaultFactoryEv [qt-mt]
ZN12QIconFactory21installDefaultFactoryEPS [qt-mt]	_ZN12QIconFactoryC1Ev [qt-mt]
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_ZN12QIconFactoryD1Ev [qt-mt]	_ZN12QIconFactoryD2Ev [qt-mt]
_ZN12QImageFormatD0Ev [qt-mt]	_ZN12QImageFormatD1Ev [qt-mt]
_ZN12QImageFormatD2Ev [qt-mt]	_ZN12QInputDialog10getIntegerERK7QStringS2_iiiiPbP7QWidgetPKc [qt-mt]
_ZN12QInputDialog11qt_propertyEiiP8QVariant [qt-mt]	_ZN12QInputDialog11textChangedERK7QString [qt-mt]
_ZN12QInputDialog16staticMetaObjectEv [qt-mt]	_ZN12QInputDialog18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
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_ZN12QInputDialog7getItemERK7QStringS2_RK11QStringListibPbP7QWidgetPKc [qt-mt]	_ZN12QInputDialog7getTextERK7QStringS2_N9QLineEdit8EchoModeES2_PbP7QWidgetPKc [qt-mt]
_ZN12QInputDialog7qt_castEPKc [qt-mt]	_ZN12QInputDialog7qt_emitEiP8QUObject [qt-mt]
_ZN12QInputDialog7setTypeENS_4TypeE [qt-mt]	_ZN12QInputDialog9getDoubleERK7QStringS2_dddiPbP7QWidgetPKc [qt-mt]
_ZN12QInputDialog9qt_invokeEiP8QUObject [qt-mt]	_ZN12QInputDialog9tryAcceptEv [qt-mt]
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_ZN12QInputDialogD0Ev [qt-mt]	_ZN12QInputDialogD1Ev [qt-mt]
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_ZN12QListBoxItemD0Ev [qt-mt]	_ZN12QListBoxItemD1Ev [qt-mt]
_ZN12QListBoxItemD2Ev [qt-mt]	_ZN12QListBoxText5paintEP8QPainter [qt-mt]
_ZN12QListBoxTextC1EP8QListBoxRK7QString [qt-mt]	_ZN12QListBoxTextC1EP8QListBoxRK7QStringP12QListBoxItem [qt-mt]
_ZN12QListBoxTextC1ERK7QString [qt-mt]	_ZN12QListBoxTextC2EP8QListBoxRK7QString [qt-mt]
_ZN12QListBoxTextC2EP8QListBoxRK7QStringP12QListBoxItem [qt-mt]	_ZN12QListBoxTextC2ERK7QString [qt-mt]
_ZN12QListBoxTextD0Ev [qt-mt]	_ZN12QListBoxTextD1Ev [qt-mt]
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ZN12QPaintDevice11copyX11DataEPKS [qt-mt]	_ZN12QPaintDevice12cloneX11DataEPKS_ [qt-mt]
_ZN12QPaintDevice13setResolutionEi [qt-mt]	_ZN12QPaintDevice13x11SetAppDpiXEi [qt-mt]
_ZN12QPaintDevice13x11SetAppDpiXEii [qt-mt]	_ZN12QPaintDevice13x11SetAppDpiYEi [qt-mt]
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_ZN12QPixmapCache6insertERK7QStringP7QPixmap [qt-mt]	_ZN12QPixmapCache6insertERK7QStringRK7QPixmap [qt-mt]
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_ZN12QPrintDialog18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN12QPrintDialog19fileNameEditChangedERK7QString [qt-mt]
ZN12QPrintDialog20setGlobalPrintDialogEPS [qt-mt]	_ZN12QPrintDialog20setupPrinterSettingsEv [qt-mt]
_ZN12QPrintDialog21printerOrFileSelectedEi [qt-mt]	_ZN12QPrintDialog2trEPKcS1_ [qt-mt]
ZN12QPrintDialog6trUtf8EPKcS1 [qt-mt]	_ZN12QPrintDialog7qt_castEPKc [qt-mt]
_ZN12QPrintDialog7qt_emitEiP8QUObject [qt-mt]	_ZN12QPrintDialog9addButtonEP11QPushButton [qt-mt]
_ZN12QPrintDialog9okClickedEv [qt-mt]	_ZN12QPrintDialog9qt_invokeEiP8QUObject [qt-mt]
_ZN12QPrintDialogC1EP8QPrinterP7QWidgetPKc [qt-mt]	_ZN12QPrintDialogC2EP8QPrinterP7QWidgetPKc [qt-mt]
_ZN12QPrintDialogD0Ev [qt-mt]	_ZN12QPrintDialogD1Ev [qt-mt]
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_ZN12QProgressBar12setIndicatorER7QStringii [qt-mt]	_ZN12QProgressBar13setTotalStepsEi [qt-mt]
_ZN12QProgressBar16staticMetaObjectEv [qt-mt]	_ZN12QProgressBar18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
_ZN12QProgressBar18setCenterIndicatorEb [qt-mt]	_ZN12QProgressBar20setPercentageVisibleEb [qt-mt]
_ZN12QProgressBar24setIndicatorFollowsStyleEb [qt-mt]	_ZN12QProgressBar2trEPKcS1_ [qt-mt]
_ZN12QProgressBar4showEv [qt-mt]	_ZN12QProgressBar5resetEv [qt-mt]
ZN12QProgressBar6trUtf8EPKcS1 [qt-mt]	_ZN12QProgressBar7qt_castEPKc [qt-mt]
_ZN12QProgressBar7qt_emitEiP8QUObject [qt-mt]	_ZN12QProgressBar9initFrameEv [qt-mt]
_ZN12QProgressBar9qt_invokeEiP8QUObject [qt-mt]	_ZN12QProgressBarC1EP7QWidgetPKcj [qt-mt]
_ZN12QProgressBarC1EiP7QWidgetPKcj [qt-mt]	_ZN12QProgressBarC2EP7QWidgetPKcj [qt-mt]
_ZN12QProgressBarC2EiP7QWidgetPKcj [qt-mt]	_ZN12QRadioButton10drawButtonEP8QPainter [qt-mt]
_ZN12QRadioButton10setCheckedEb [qt-mt]	_ZN12QRadioButton10updateMaskEv [qt-mt]
_ZN12QRadioButton11qt_propertyEiiP8QVariant [qt-mt]	_ZN12QRadioButton11resizeEventEP12QResizeEvent [qt-mt]
_ZN12QRadioButton15drawButtonLabelEP8QPainter [qt-mt]	_ZN12QRadioButton16staticMetaObjectEv [qt-mt]
_ZN12QRadioButton18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN12QRadioButton2trEPKcS1_ [qt-mt]
_ZN12QRadioButton4initEv [qt-mt]	_ZN12QRadioButton6trUtf8EPKcS1_ [qt-mt]
_ZN12QRadioButton7qt_castEPKc [qt-mt]	_ZN12QRadioButton7qt_emitEiP8QUObject [qt-mt]
_ZN12QRadioButton9qt_invokeEiP8QUObject [qt-mt]	_ZN12QRadioButtonC1EP7QWidgetPKc [qt-mt]
_ZN12QRadioButtonC1ERK7QStringP7QWidgetPKc [qt-mt]	_ZN12QRadioButtonC2EP7QWidgetPKc [qt-mt]
_ZN12QRadioButtonC2ERK7QStringP7QWidgetPKc [qt-mt]	_ZN12QSqlDatabase11addDatabaseEP10QSqlDriverRK7QString [qt-mt]
ZN12QSqlDatabase11addDatabaseERK7QStringS2 [qt-mt]	_ZN12QSqlDatabase11qt_propertyEiiP8QVariant [qt-mt]
_ZN12QSqlDatabase11setHostName	_ZN12QSqlDatabase11setPasswordE

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_ZN12QSqlDatabase17isDriverAvailableERK7QString [qt-mt]	_ZN12QSqlDatabase17registerSqlDriverERK7QStringPK21QSqlDriverCreatorBase [qt-mt]
_ZN12QSqlDatabase17setConnectOptionsERK7QString [qt-mt]	_ZN12QSqlDatabase18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
ZN12QSqlDatabase2trEPKcS1 [qt-mt]	_ZN12QSqlDatabase4initERK7QStringS2_ [qt-mt]
ZN12QSqlDatabase4openERK7QStringS2 [qt-mt]	_ZN12QSqlDatabase4openEv [qt-mt]
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ZN12QSqlDatabase6trUtf8EPKcS1 [qt-mt]	_ZN12QSqlDatabase7driversEv [qt-mt]
_ZN12QSqlDatabase7qt_castEPKc [qt-mt]	_ZN12QSqlDatabase7qt_emitEiP8QUObject [qt-mt]
_ZN12QSqlDatabase7setPortEi [qt-mt]	_ZN12QSqlDatabase8containsERK7QString [qt-mt]
_ZN12QSqlDatabase8databaseERK7QStringb [qt-mt]	_ZN12QSqlDatabase8rollbackEv [qt-mt]
_ZN12QSqlDatabase9qt_invokeEiP8QUObject [qt-mt]	_ZN12QSqlDatabaseC1EP10QSqlDriverP7QObjectPKc [qt-mt]
_ZN12QSqlDatabaseC1ERK7QStringS2_P7QObjectPKc [qt-mt]	_ZN12QSqlDatabaseC2EP10QSqlDriverP7QObjectPKc [qt-mt]
_ZN12QSqlDatabaseC2ERK7QStringS2_P7QObjectPKc [qt-mt]	_ZN12QSqlDatabaseD0Ev [qt-mt]
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_ZN12QStylePlugin11qt_propertyEiiP8QVariant [qt-mt]	_ZN12QStylePlugin16staticMetaObjectEv [qt-mt]
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ZN12QStylePlugin6trUtf8EPKcS1 [qt-mt]	_ZN12QStylePlugin7qt_castEPKc [qt-mt]
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_ZN12QTableHeader10saveStatesEv [qt-mt]	_ZN12QTableHeader10setCachingEb [qt-mt]
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_ZN12QTableHeader17mouseReleaseEventEP11QMouseEvent [qt-mt]	_ZN12QTableHeader18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
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ZN12QTableHeader6trUtf8EPKcS1 [qt-mt]	_ZN12QTableHeader7qt_castEPKc [qt-mt]
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_ZN12QTableHeader8setLabelEiRK7QStringi [qt-mt]	_ZN12QTableHeader8setLabelEiRK8QIconSetRK7QStringi [qt-mt]
_ZN12QTableHeader9qt_invokeEiP8QUObject [qt-mt]	_ZN12QTableHeader9setLabelsERK11QStringList [qt-mt]
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_ZN12QTextBrowser11highlightedERK7QString [qt-mt]	_ZN12QTextBrowser11linkClickedERK7QString [qt-mt]
_ZN12QTextBrowser11popupDetailERK7QStringRK6QPoint [qt-mt]	_ZN12QTextBrowser11qt_propertyEiiP8QVariant [qt-mt]
ZN12QTextBrowser13anchorClickedERK7QStringS2 [qt-mt]	_ZN12QTextBrowser13keyPressEventEP9QKeyEvent [qt-mt]
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_ZN12QTextBrowser7qt_castEPKc [qt-mt]	_ZN12QTextBrowser7qt_emitEiP8QUObject [qt-mt]
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_ZN12QTextBrowser9qt_invokeEiP8QUObject [qt-mt]	_ZN12QTextBrowser9setSourceERK7QString [qt-mt]
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_ZN12QUType_idisp11serializeToEP8QUObjectP8QUBuffer [qt-mt]	_ZN12QUType_idisp12canConvertToEP8QUObjectP6QUType [qt-mt]
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_ZN12QUType_iface9convertToEP8QUObjectP6QUType [qt-mt]	_ZN12QUrlOperator10checkValidEv [qt-mt]
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_ZN12QUrlOperator12clearEntriesEv [qt-mt]	_ZN12QUrlOperator12continueCopyEP17QNetworkOperation [qt-mt]
_ZN12QUrlOperator12finishedCopyEv [qt-mt]	_ZN12QUrlOperator12listChildrenEv [qt-mt]
_ZN12QUrlOperator13setNameFilterERK7QString [qt-mt]	_ZN12QUrlOperator14startOperationEP17QNetworkOperation [qt-mt]
_ZN12QUrlOperator15deleteOperationEP17QNetworkOperation [qt-mt]	_ZN12QUrlOperator15slotItemChangedEP17QNetworkOperation [qt-mt]
_ZN12QUrlOperator15startedNextCopyERK8QPtrListI17QNetworkOperationE [qt-mt]	_ZN12QUrlOperator16createdDirectoryERK8QUrlInfoP17QNetworkOperation [qt-mt]
_ZN12QUrlOperator16staticMetaObjectEv [qt-mt]	_ZN12QUrlOperator18getNetworkProtocolEv [qt-mt]
_ZN12QUrlOperator18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN12QUrlOperator20dataTransferProgressEiiP17QNetworkOperation [qt-mt]
_ZN12QUrlOperator21deleteNetworkProtocolEv [qt-mt]	_ZN12QUrlOperator22connectionStateChangedEiRK7QString [qt-mt]
ZN12QUrlOperator2trEPKcS1 [qt-mt]	_ZN12QUrlOperator3getERK7QString [qt-mt]
_ZN12QUrlOperator3putERK9QMemArrayIcERK7QString [qt-mt]	_ZN12QUrlOperator4cdUpEv [qt-mt]
_ZN12QUrlOperator4copyERK11QStringListRK7QStringb [qt-mt]	_ZN12QUrlOperator4copyERK7QStringS2_bb [qt-mt]
_ZN12QUrlOperator4dataERK9QMemArrayIcEP17QNetworkOperation [qt-mt]	_ZN12QUrlOperator4stopEv [qt-mt]
_ZN12QUrlOperator5isDirEPb [qt-	_ZN12QUrlOperator5mkdirERK7QSt

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_ZN12QUrlOperator5parseERK7QString [qt-mt]	_ZN12QUrlOperator5resetEv [qt-mt]
_ZN12QUrlOperator5startEP17QNetworkOperation [qt-mt]	_ZN12QUrlOperator6removeERK7QString [qt-mt]
ZN12QUrlOperator6renameERK7QStringS2 [qt-mt]	_ZN12QUrlOperator6trUtf8EPKcS1_ [qt-mt]
_ZN12QUrlOperator7qt_castEPKc [qt-mt]	_ZN12QUrlOperator7qt_emitEiP8QUObject [qt-mt]
_ZN12QUrlOperator7removedEP17QNetworkOperation [qt-mt]	_ZN12QUrlOperator7setPathERK7QString [qt-mt]
_ZN12QUrlOperator8addEntryERK10QValueListI8QUrlInfoE [qt-mt]	_ZN12QUrlOperator8finishedEP17QNetworkOperation [qt-mt]
_ZN12QUrlOperator9qt_invokeEiP8QUObject [qt-mt]	_ZN12QUrlOperatorC1ERK7QString [qt-mt]
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_ZN12QUrlOperatorC1Ev [qt-mt]	_ZN12QUrlOperatorC2ERK7QString [qt-mt]
ZN12QUrlOperatorC2ERKS [qt-mt]	_ZN12QUrlOperatorC2ERKS_RK7QStringb [qt-mt]
_ZN12QUrlOperatorC2Ev [qt-mt]	_ZN12QUrlOperatorD0Ev [qt-mt]
_ZN12QUrlOperatorD1Ev [qt-mt]	_ZN12QUrlOperatorD2Ev [qt-mt]
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_ZN12QWidgetStack11aboutToShowEi [qt-mt]	_ZN12QWidgetStack11qt_propertyEiiP8QVariant [qt-mt]
_ZN12QWidgetStack11raiseWidgetEP7QWidget [qt-mt]	_ZN12QWidgetStack11raiseWidgetEi [qt-mt]
_ZN12QWidgetStack11resizeEventEP12QResizeEvent [qt-mt]	_ZN12QWidgetStack12frameChangedEv [qt-mt]
_ZN12QWidgetStack12removeWidgetEP7QWidget [qt-mt]	_ZN12QWidgetStack12setFrameRectERK5QRect [qt-mt]
_ZN12QWidgetStack16staticMetaObjectEv [qt-mt]	_ZN12QWidgetStack18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
_ZN12QWidgetStack18setChildGeometriesEv [qt-mt]	_ZN12QWidgetStack2trEPKcS1_ [qt-mt]
_ZN12QWidgetStack4initEv [qt-mt]	_ZN12QWidgetStack4showEv [qt-mt]

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ZN12QWidgetStack6trUtf8EPKcS1 [qt-mt]	_ZN12QWidgetStack7qt_castEPKc [qt-mt]
_ZN12QWidgetStack7qt_emitEiP8QUObject [qt-mt]	_ZN12QWidgetStack9addWidgetEP7QWidgeti [qt-mt]
_ZN12QWidgetStack9qt_invokeEiP8QUObject [qt-mt]	_ZN12QWidgetStackC1EP7QWidgetPKc [qt-mt]
_ZN12QWidgetStackC1EP7QWidgetPKcj [qt-mt]	_ZN12QWidgetStackC2EP7QWidgetPKc [qt-mt]
_ZN12QWidgetStackC2EP7QWidgetPKcj [qt-mt]	_ZN12QWidgetStackD0Ev [qt-mt]
_ZN12QWidgetStackD1Ev [qt-mt]	_ZN12QWidgetStackD2Ev [qt-mt]
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_ZN13QCanvasPixmapC1ERK6QImage [qt-mt]	_ZN13QCanvasPixmapC1ERK7QPixmapRK6QPoint [qt-mt]
_ZN13QCanvasPixmapC1ERK7QString [qt-mt]	_ZN13QCanvasPixmapC2ERK6QImage [qt-mt]
_ZN13QCanvasPixmapC2ERK7QPixmapRK6QPoint [qt-mt]	_ZN13QCanvasPixmapC2ERK7QString [qt-mt]
_ZN13QCanvasPixmapD0Ev [qt-mt]	_ZN13QCanvasPixmapD1Ev [qt-mt]
_ZN13QCanvasPixmapD2Ev [qt-mt]	_ZN13QCanvasSpline10recalcPolyEv [qt-mt]
_ZN13QCanvasSpline16setControlPointsE11QPointArrayb [qt-mt]	_ZN13QCanvasSplineC1EP7QCanvas [qt-mt]
_ZN13QCanvasSplineC2EP7QCanvas [qt-mt]	_ZN13QCanvasSplineD0Ev [qt-mt]
_ZN13QCanvasSplineD1Ev [qt-mt]	_ZN13QCanvasSplineD2Ev [qt-mt]
_ZN13QCanvasSprite11addToChunksEv [qt-mt]	_ZN13QCanvasSprite11setSequenceEP18QCanvasPixmapArray [qt-mt]
_ZN13QCanvasSprite12changeChunksEv [qt-mt]	_ZN13QCanvasSprite16removeFromChunksEv [qt-mt]
_ZN13QCanvasSprite17setFrameAnimationENS_18FrameAnimationTypeEii [qt-mt]	_ZN13QCanvasSprite4drawER8QPainter [qt-mt]
_ZN13QCanvasSprite4moveEdd [qt-mt]	_ZN13QCanvasSprite4moveEddi [qt-mt]
_ZN13QCanvasSprite7advanceEi [qt-mt]	_ZN13QCanvasSprite8setFrameEi [qt-mt]
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_ZN13QDateTimeEdit11resizeEventEP12QResizeEvent [qt-mt]	_ZN13QDateTimeEdit11setDateTimeERK9QDateTime [qt-mt]
_ZN13QDateTimeEdit12valueChangedERK9QDateTime [qt-mt]	_ZN13QDateTimeEdit14setAutoAdvanceEb [qt-mt]
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ZN13QDateTimeEdit2trEPKcS1 [qt-mt]	_ZN13QDateTimeEdit4initEv [qt-mt]
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_ZN13QDateTimeEdit8newValueERK5QTime [qt-mt]	_ZN13QDateTimeEdit9qt_invokeEiP8QUObject [qt-mt]
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_ZN13QDateTimeEditC2EP7QWidgetPKc [qt-mt]	_ZN13QDateTimeEditC2ERK9QDateTimeP7QWidgetPKc [qt-mt]
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_ZN13QDateTimeEditD2Ev [qt-mt]	_ZN13QErrorMessage11nextPendingEv [qt-mt]
_ZN13QErrorMessage11qt_propertyEiiP8QVariant [qt-mt]	_ZN13QErrorMessage16staticMetaObjectEv [qt-mt]
_ZN13QErrorMessage18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN13QErrorMessage2trEPKcS1_ [qt-mt]
_ZN13QErrorMessage4doneEi [qt-mt]	_ZN13QErrorMessage6trUtf8EPKcS1_ [qt-mt]
_ZN13QErrorMessage7messageERK7QString [qt-mt]	_ZN13QErrorMessage7qt_castEPKc [qt-mt]
_ZN13QErrorMessage7qt_emitEiP8QUObject [qt-mt]	_ZN13QErrorMessage9qtHandlerEv [qt-mt]
_ZN13QErrorMessage9qt_invokeEiP8QUObject [qt-mt]	_ZN13QErrorMessageC1EP7QWidgetPKc [qt-mt]
_ZN13QErrorMessageC2EP7QWidgetPKc [qt-mt]	_ZN13QErrorMessageD0Ev [qt-mt]
_ZN13QErrorMessageD1Ev [qt-mt]	_ZN13QErrorMessageD2Ev [qt-mt]
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_ZN13QFontDatabase12scriptSample EN5QFont6ScriptE [qt-mt]	_ZN13QFontDatabase13parseFontNa meERK7QStringRS0_S3_ [qt-mt]
_ZN13QFontDatabase13standardSize sEv [qt-mt]	_ZN13QFontDatabase14createDataba seEv [qt-mt]
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_ZN13QHButtonGroup7qt_emitEiP8 QUObject [qt-mt]	_ZN13QHButtonGroup9qt_invokeEi P8QUObject [qt-mt]
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_ZN13QHButtonGroupC2EP7QWid getPKc [qt-mt]	_ZN13QHButtonGroupC2ERK7QStri ngP7QWidgetPKc [qt-mt]
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_ZN13QHButtonGroupD2Ev [qt-mt]	_ZN13QIconDragData11setTextRect ERK5QRect [qt-mt]
_ZN13QIconDragData13setPixmapR ectERK5QRect [qt-mt]	_ZN13QIconDragDataC1ERK5QRect S2_ [qt-mt]
_ZN13QIconDragDataC1Ev [qt-mt]	_ZN13QIconDragDataC2ERK5QRect S2_ [qt-mt]
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_ZN13QIconDragItemD0Ev [qt-mt]	_ZN13QIconDragItemD1Ev [qt-mt]
_ZN13QIconDragItemD2Ev [qt-mt]	_ZN13QIconViewItem10paintFocusE P8QPainterRK11QColorGroup [qt-mt]
_ZN13QIconViewItem10renameItem Ev [qt-mt]	_ZN13QIconViewItem10setPictureE RK8QPicture [qt-mt]
_ZN13QIconViewItem11calcTmpTex tEv [qt-mt]	_ZN13QIconViewItem11dragEntered Ev [qt-mt]

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_ZN13QIconViewItem14setDragEna bledEb [qt-mt]	_ZN13QIconViewItem14setDropEna bledEb [qt-mt]
_ZN13QIconViewItem15removeRena meBoxEv [qt-mt]	_ZN13QIconViewItem16cancelRena meItemEv [qt-mt]
_ZN13QIconViewItem16setRenameE nabledEb [qt-mt]	_ZN13QIconViewItem4initEPS_P8Q Picture [qt-mt]
_ZN13QIconViewItem4moveERK6Q Point [qt-mt]	_ZN13QIconViewItem4moveEii [qt-mt]
_ZN13QIconViewItem6moveByERK 6QPoint [qt-mt]	_ZN13QIconViewItem6moveByEii [qt-mt]
_ZN13QIconViewItem6renameEv [qt-mt]	_ZN13QIconViewItem6setKeyERK7 QString [qt-mt]
_ZN13QIconViewItem7droppedEP10 QDropEventRK10QValueListI13QIco nDragItemE [qt-mt]	_ZN13QIconViewItem7repaintEv [qt-mt]
_ZN13QIconViewItem7setTextERK7 QString [qt-mt]	_ZN13QIconViewItem7setTextERK7 QStringbb [qt-mt]
_ZN13QIconViewItem8calcRectERK7 QString [qt-mt]	_ZN13QIconViewItem8dragLeftEv [qt-mt]
_ZN13QIconViewItem9checkRectEv [qt-mt]	_ZN13QIconViewItem9paintItemEP8 QPainterRK11QColorGroup [qt-mt]
_ZN13QIconViewItem9setPixmapER K7QPixmap [qt-mt]	_ZN13QIconViewItem9setPixmapER K7QPixmapbb [qt-mt]
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_ZN13QIconViewItemC2EP9QIconViewRK7QStringRK7QPixmap [qt-mt]	_ZN13QIconViewItemC2EP9QIconViewRK7QStringRK8QPicture [qt-mt]
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_ZN13QIconViewItemD2Ev [qt-mt]	_ZN13QImageDecoder10formatNameEPKhi [qt-mt]
_ZN13QImageDecoder12inputFormatsEv [qt-mt]	_ZN13QImageDecoder22registerDecoderFactoryEP16QImageFormatType [qt-mt]
_ZN13QImageDecoder24unregisterDecoderFactoryEP16QImageFormatType [qt-mt]	_ZN13QImageDecoder6decodeEPKhi [qt-mt]
_ZN13QImageDecoder6formatEPKc [qt-mt]	_ZN13QImageDecoderC1EP14QImageConsumer [qt-mt]
_ZN13QImageDecoderC2EP14QImageConsumer [qt-mt]	_ZN13QImageDecoderD1Ev [qt-mt]
_ZN13QImageDecoderD2Ev [qt-mt]	_ZN13QIntValidator11qt_propertyEiiP8QVariant [qt-mt]
_ZN13QIntValidator16staticMetaObjectEv [qt-mt]	_ZN13QIntValidator18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
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_ZN13QIntValidator7qt_emitEiP8QUObject [qt-mt]	_ZN13QIntValidator8setRangeEii [qt-mt]
_ZN13QIntValidator9qt_invokeEiP8QUObject [qt-mt]	_ZN13QIntValidator9setBottomEi [qt-mt]
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_ZN13QIntValidatorD2Ev [qt-mt]	_ZN13QListViewItem10insertItemEPS_ [qt-mt]
_ZN13QListViewItem10paintFocusEP8QPainterRK11QColorGroupRK5QRect [qt-mt]	_ZN13QListViewItem10setEnabledEb [qt-mt]
_ZN13QListViewItem10setVisibleEb [qt-mt]	_ZN13QListViewItem11dragEnteredEv [qt-mt]

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_ZN13QListViewItem12activatedPosER6QPoint [qt-mt]	_ZN13QListViewItem12cancelRenameEi [qt-mt]
_ZN13QListViewItem13paintBranchesEP8QPainterRK11QColorGroupiii [qt-mt]	_ZN13QListViewItem13setExpandableEb [qt-mt]
_ZN13QListViewItem13setSelectableEb [qt-mt]	_ZN13QListViewItem14setDragEnabledEb [qt-mt]
_ZN13QListViewItem14setDropEnabledEb [qt-mt]	_ZN13QListViewItem14sortChildItemsEib [qt-mt]
ZN13QListViewItem15moveToJustAfterEPS [qt-mt]	_ZN13QListViewItem15removeRenameBoxEv [qt-mt]
_ZN13QListViewItem16invalidateHeightEv [qt-mt]	_ZN13QListViewItem16setRenameEnabledEib [qt-mt]
_ZN13QListViewItem17ignoreDoubleClickEv [qt-mt]	_ZN13QListViewItem20setMultiLinesEnabledEb [qt-mt]
_ZN13QListViewItem26enforceSortOrderBackToRootEv [qt-mt]	_ZN13QListViewItem4initEv [qt-mt]
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_ZN13QListViewItem7droppedEP10QDropEvent [qt-mt]	_ZN13QListViewItem7setOpenEb [qt-mt]
_ZN13QListViewItem7setTextEiRK7QString [qt-mt]	_ZN13QListViewItem8activateEv [qt-mt]
_ZN13QListViewItem8dragLeftEv [qt-mt]	_ZN13QListViewItem8moveItemEPS_ [qt-mt]
_ZN13QListViewItem8okRenameEi [qt-mt]	_ZN13QListViewItem8takeItemEPS_ [qt-mt]
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_ZN13QListViewItem9setPixmapEiRK7QPixmap [qt-mt]	_ZN13QListViewItemC1EP9QListView [qt-mt]
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_ZN13QListViewItemC1EPS_7QStrin	_ZN13QListViewItemC1EPS_S0_ [qt-

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_ZN13QListViewItemD1Ev [qt-mt]	_ZN13QListViewItemD2Ev [qt-mt]
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_ZN13QRangeControl11rangeChangeEv [qt-mt]	_ZN13QRangeControl11setMaxValueEi [qt-mt]
_ZN13QRangeControl11setMinValueEi [qt-mt]	_ZN13QRangeControl11valueChangeEv [qt-mt]
_ZN13QRangeControl12subtractLineEv [qt-mt]	_ZN13QRangeControl12subtractPageEv [qt-mt]
_ZN13QRangeControl14directSetValueEi [qt-mt]	_ZN13QRangeControl7addLineEv [qt-mt]
_ZN13QRangeControl7addPageEv [qt-mt]	_ZN13QRangeControl8setRangeEii [qt-mt]
_ZN13QRangeControl8setStepsEii [qt-mt]	_ZN13QRangeControl8setValueEi [qt-mt]
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_ZN13QRangeControlC2Eiiiii [qt-mt]	_ZN13QRangeControlC2Ev [qt-mt]
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_ZN13QRangeControlD2Ev [qt-mt]	_ZN13QServerSocket11qt_propertyEiiP8QVariant [qt-mt]
_ZN13QServerSocket12socketDeviceEv [qt-mt]	_ZN13QServerSocket16staticMetaObjectEv [qt-mt]
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ZN13QServerSocket6trUtf8EPKcS1 [qt-mt]	_ZN13QServerSocket7qt_castEPKc [qt-mt]

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_ZN13QServerSocket9setSocketEi [qt-mt]	_ZN13QServerSocketC1EP7QObjectPKc [qt-mt]
_ZN13QServerSocketC1ERK12QHostAddresstiP7QObjectPKc [qt-mt]	_ZN13QServerSocketC1EtiP7QObjectPKc [qt-mt]
_ZN13QServerSocketC2EP7QObjectPKc [qt-mt]	_ZN13QServerSocketC2ERK12QHostAddresstiP7QObjectPKc [qt-mt]
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_ZN13QSignalMapper10setMappingEPK7QObjectRK7QString [qt-mt]	_ZN13QSignalMapper10setMappingEPK7QObjecti [qt-mt]
_ZN13QSignalMapper11qt_propertyEiiP8QVariant [qt-mt]	_ZN13QSignalMapper13removeMappingEv [qt-mt]
_ZN13QSignalMapper14removeMappingsEPK7QObject [qt-mt]	_ZN13QSignalMapper16staticMetaObjectEv [qt-mt]
_ZN13QSignalMapper18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN13QSignalMapper2trEPKcS1_ [qt-mt]
_ZN13QSignalMapper3mapEv [qt-mt]	_ZN13QSignalMapper6getRecEPK7QObject [qt-mt]
_ZN13QSignalMapper6mappedERK7QString [qt-mt]	_ZN13QSignalMapper6mappedEi [qt-mt]
ZN13QSignalMapper6trUtf8EPKcS1 [qt-mt]	_ZN13QSignalMapper7qt_castEPKc [qt-mt]
_ZN13QSignalMapper7qt_emitEiP8QUObject [qt-mt]	_ZN13QSignalMapper9qt_invokeEiP8QUObject [qt-mt]
_ZN13QSignalMapperC1EP7QObjectPKc [qt-mt]	_ZN13QSignalMapperC2EP7QObjectPKc [qt-mt]
_ZN13QSignalMapperD0Ev [qt-mt]	_ZN13QSignalMapperD1Ev [qt-mt]
_ZN13QSignalMapperD2Ev [qt-mt]	_ZN13QSocketDevice10writeBlockEPKcm [qt-mt]
_ZN13QSocketDevice10writeBlockEPKcmRK12QHostAddresst [qt-mt]	_ZN13QSocketDevice11setBlockingEb [qt-mt]
_ZN13QSocketDevice15createNewSocketEv [qt-mt]	_ZN13QSocketDevice17setSendBufferSizeEj [qt-mt]
_ZN13QSocketDevice18setAddressReusableEb [qt-mt]	_ZN13QSocketDevice20setReceiveBufferSizeEj [qt-mt]
_ZN13QSocketDevice25fetchConnectionParametersEv [qt-mt]	_ZN13QSocketDevice2atEm [qt-mt]
_ZN13QSocketDevice4bindERK12Q	_ZN13QSocketDevice4initEv [qt-mt]

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HostAddresst [qt-mt]	
_ZN13QSocketDevice4openEi [qt-mt]	_ZN13QSocketDevice5closeEv [qt-mt]
_ZN13QSocketDevice5flushEv [qt-mt]	_ZN13QSocketDevice5getchEv [qt-mt]
_ZN13QSocketDevice5putchEi [qt-mt]	_ZN13QSocketDevice6acceptEv [qt-mt]
_ZN13QSocketDevice6listenEi [qt-mt]	_ZN13QSocketDevice7connectERK12QHostAddresst [qt-mt]
_ZN13QSocketDevice7ungetchEi [qt-mt]	_ZN13QSocketDevice8setErrorENS_5ErrorE [qt-mt]
_ZN13QSocketDevice9readBlockEPcm [qt-mt]	_ZN13QSocketDevice9setOptionENS_6OptionEi [qt-mt]
_ZN13QSocketDevice9setSocketEiNS_4TypeE [qt-mt]	_ZN13QSocketDeviceC1ENS_4TypeE [qt-mt]
_ZN13QSocketDeviceC1ENS_4TypeENS_8ProtocolEi [qt-mt]	_ZN13QSocketDeviceC1EiNS_4TypeE [qt-mt]
_ZN13QSocketDeviceC2ENS_4TypeE [qt-mt]	_ZN13QSocketDeviceC2ENS_4TypeENS_8ProtocolEi [qt-mt]
_ZN13QSocketDeviceC2EiNS_4TypeE [qt-mt]	_ZN13QSocketDeviceD0Ev [qt-mt]
_ZN13QSocketDeviceD1Ev [qt-mt]	_ZN13QSocketDeviceD2Ev [qt-mt]
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_ZN13QSplashScreen12drawContentsEv [qt-mt]	_ZN13QSplashScreen14messageChangedERK7QString [qt-mt]
_ZN13QSplashScreen15mousePressEventEP11QMouseEvent [qt-mt]	_ZN13QSplashScreen16staticMetaObjectEv [qt-mt]
_ZN13QSplashScreen18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN13QSplashScreen2trEPKcS1_ [qt-mt]
_ZN13QSplashScreen5clearEv [qt-mt]	_ZN13QSplashScreen6finishEP7QWidget [qt-mt]
ZN13QSplashScreen6trUtf8EPKcS1 [qt-mt]	_ZN13QSplashScreen7messageERK7QStringiRK6QColor [qt-mt]
_ZN13QSplashScreen7qt_castEPKc [qt-mt]	_ZN13QSplashScreen7qt_emitEiP8QUObject [qt-mt]
_ZN13QSplashScreen7repaintEv [qt-mt]	_ZN13QSplashScreen9qt_invokeEiP8QUObject [qt-mt]
_ZN13QSplashScreen9setPixmapERK7QPixmap [qt-mt]	_ZN13QSplashScreenC1ERK7QPixmapj [qt-mt]
_ZN13QSplashScreenC2ERK7QPixm	_ZN13QSplashScreenD0Ev [qt-mt]

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_ZN13QSqlFieldInfo7setTrimEb [qt-mt]	_ZN13QSqlFieldInfoC1ERK7QStringN8QVariant4TypeEiiiRKS3_ibbb [qt-mt]
_ZN13QSqlFieldInfoC1ERK9QSqlFieldb [qt-mt]	_ZN13QSqlFieldInfoC1ERKS_ [qt-mt]
_ZN13QSqlFieldInfoC2ERK7QStringN8QVariant4TypeEiiiRKS3_ibbb [qt-mt]	_ZN13QSqlFieldInfoC2ERK9QSqlFieldb [qt-mt]
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_ZN13QStyleFactory6createERK7QString [qt-mt]	_ZN13QToolTipGroup10setEnabledEb [qt-mt]
_ZN13QToolTipGroup11qt_propertyEiiP8QVariant [qt-mt]	_ZN13QToolTipGroup16staticMetaObjectEv [qt-mt]
_ZN13QToolTipGroup18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN13QToolTipGroup2trEPKcS1_ [qt-mt]
ZN13QToolTipGroup6trUtf8EPKcS1 [qt-mt]	_ZN13QToolTipGroup7qt_castEPKc [qt-mt]
_ZN13QToolTipGroup7qt_emitEiP8QUObject [qt-mt]	_ZN13QToolTipGroup7showTipERK7QString [qt-mt]
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_ZN13QToolTipGroupC2EP7QObjectPKc [qt-mt]	_ZN13QToolTipGroupD0Ev [qt-mt]
_ZN13QToolTipGroupD1Ev [qt-mt]	_ZN13QToolTipGroupD2Ev [qt-mt]
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_ZN13QUType_double12canConvertToEP8QUObjectP6QUType [qt-mt]	_ZN13QUType_double13serializeFromEP8QUObjectP8QUBuffer [qt-mt]
_ZN13QUType_double14canConvertFromEP8QUObjectP6QUType [qt-mt]	_ZN13QUType_double3setEP8QUObjectd [qt-mt]
_ZN13QUType_double9convertToEP	_ZN13QUType_varptr11convertFro

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_ZN13QUType_varptr3setEP8QUObjectPKv [qt-mt]	_ZN13QUType_varptr9convertToEP8QUObjectP6QUType [qt-mt]
_ZN13QVButtonGroup11qt_propertyEiiP8QVariant [qt-mt]	_ZN13QVButtonGroup16staticMetaObjectEv [qt-mt]
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_ZN13QVButtonGroup7qt_emitEiP8QUObject [qt-mt]	_ZN13QVButtonGroup9qt_invokeEiP8QUObject [qt-mt]
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_ZN13QVButtonGroupD2Ev [qt-mt]	_ZN13QWidgetPlugin11qt_propertyEiiP8QVariant [qt-mt]
_ZN13QWidgetPlugin16staticMetaObjectEv [qt-mt]	_ZN13QWidgetPlugin18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
ZN13QWidgetPlugin2trEPKcS1 [qt-mt]	_ZN13QWidgetPlugin6trUtf8EPKcS1_ [qt-mt]
_ZN13QWidgetPlugin7qt_castEPKc [qt-mt]	_ZN13QWidgetPlugin7qt_emitEiP8QUObject [qt-mt]
_ZN13QWidgetPlugin9qt_invokeEiP8QUObject [qt-mt]	_ZN13QWidgetPluginC1Ev [qt-mt]
_ZN13QWidgetPluginC2Ev [qt-mt]	_ZN13QWidgetPluginD0Ev [qt-mt]
_ZN13QWidgetPluginD1Ev [qt-mt]	_ZN13QWidgetPluginD2Ev [qt-mt]
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_ZN14QCanvasEllipse9setAnglesEii [qt-mt]	_ZN14QCanvasEllipseC1EP7QCanvas [qt-mt]
_ZN14QCanvasEllipseC1EiiP7QCanvas [qt-mt]	_ZN14QCanvasEllipseC1EiiiiP7QCanvas [qt-mt]
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s [qt-mt]	vas [qt-mt]
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_ZN14QCanvasEllipseD1Ev [qt-mt]	_ZN14QCanvasEllipseD2Ev [qt-mt]
_ZN14QCanvasPolygon6moveByEdd [qt-mt]	_ZN14QCanvasPolygon9drawShapeER8QPainter [qt-mt]
_ZN14QCanvasPolygon9setPointsE11QPointArray [qt-mt]	_ZN14QCanvasPolygonC1EP7QCanvas [qt-mt]
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_ZN14QCanvasPolygonD1Ev [qt-mt]	_ZN14QCanvasPolygonD2Ev [qt-mt]
_ZN14QCheckListItem10paintFocusEP8QPainterRK11QColorGroupRK5QRect [qt-mt]	_ZN14QCheckListItem11setTristateEb [qt-mt]
_ZN14QCheckListItem11stateChangeENS_11ToggleStateE [qt-mt]	_ZN14QCheckListItem11stateChangeEb [qt-mt]
_ZN14QCheckListItem12restoreStateEPvi [qt-mt]	_ZN14QCheckListItem12turnOffChildEv [qt-mt]
_ZN14QCheckListItem14setStoredStateENS_11ToggleStateEPv [qt-mt]	_ZN14QCheckListItem15setCurrentStateENS_11ToggleStateE [qt-mt]
_ZN14QCheckListItem16updateControllerEbb [qt-mt]	_ZN14QCheckListItem17updateStoredStateEPv [qt-mt]
_ZN14QCheckListItem4initEv [qt-mt]	_ZN14QCheckListItem5setOnEb [qt-mt]
_ZN14QCheckListItem5setupEv [qt-mt]	_ZN14QCheckListItem8activateEv [qt-mt]
_ZN14QCheckListItem8setStateENS_11ToggleStateE [qt-mt]	_ZN14QCheckListItem8setStateENS_11ToggleStateEbb [qt-mt]
_ZN14QCheckListItem9paintCellEP8QPainterRK11QColorGroupiii [qt-mt]	_ZN14QCheckListItemC1EP13QListViewItemRK7QStringNS_4TypeE [qt-mt]
_ZN14QCheckListItemC1EP13QListViewItemRK7QStringRK7QPixmap [qt-mt]	_ZN14QCheckListItemC1EP13QListViewItemS1_RK7QStringNS_4TypeE [qt-mt]
_ZN14QCheckListItemC1EP9QListViewP13QListViewItemRK7QStringNS_4TypeE [qt-mt]	_ZN14QCheckListItemC1EP9QListViewRK7QStringNS_4TypeE [qt-mt]
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_ZN14QCheckListItemC1EPS_RK7QStringNS_4TypeE [qt-mt]	_ZN14QCheckListItemC2EP13QListViewItemRK7QStringNS_4TypeE [qt-mt]

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_ZN14QCheckListItemC2EP13QListViewItemRK7QStringRK7QPixmap [qt-mt]	_ZN14QCheckListItemC2EP13QListViewItemS1_RK7QStringNS_4TypeE [qt-mt]
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_ZN14QCheckListItemD1Ev [qt-mt]	_ZN14QCheckListItemD2Ev [qt-mt]
_ZN14QDesktopWidget11insertChildEP7QObject [qt-mt]	_ZN14QDesktopWidget11qt_propertyEiiP8QVariant [qt-mt]
_ZN14QDesktopWidget11resizeEventEP12QResizeEvent [qt-mt]	_ZN14QDesktopWidget15workAreaResizedEi [qt-mt]
_ZN14QDesktopWidget16staticMetaObjectEv [qt-mt]	_ZN14QDesktopWidget18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
ZN14QDesktopWidget2trEPKcS1 [qt-mt]	_ZN14QDesktopWidget6screenEi [qt-mt]
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_ZN14QDesktopWidget7qt_emitEiP8QUObject [qt-mt]	_ZN14QDesktopWidget7resizedEi [qt-mt]
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_ZN14QDesktopWidgetC2Ev [qt-mt]	_ZN14QDesktopWidgetD0Ev [qt-mt]
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ZN14QEditorFactory21installDefaultFactoryEPS [qt-mt]	_ZN14QEditorFactoryC1EP7QObjectPKc [qt-mt]
_ZN14QEditorFactoryC2EP7QObjectPKc [qt-mt]	_ZN14QEditorFactoryD0Ev [qt-mt]
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_ZN14QGDictIterator7toFirstEv [qt-mt]	_ZN14QGDictIteratorC1ERK6QGDict [qt-mt]
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_ZN14QGListIterator7toFirstEv [qt-mt]	_ZN14QGListIteratorC1ERK6QGList [qt-mt]
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_ZN14QGListIteratorclEv [qt-mt]	_ZN14QGListIteratormIEj [qt-mt]
_ZN14QGListIteratormmEv [qt-mt]	_ZN14QGListIteratorpLEj [qt-mt]
_ZN14QGListIteratorppEv [qt-mt]	_ZN14QJpUnicodeConv12newConverterEi [qt-mt]
_ZN14QListBoxPixmap5paintEP8QPainter [qt-mt]	_ZN14QListBoxPixmapC1EP8QListBoxRK7QPixmap [qt-mt]
_ZN14QListBoxPixmapC1EP8QListBoxRK7QPixmapP12QListBoxItem [qt-mt]	_ZN14QListBoxPixmapC1EP8QListBoxRK7QPixmapRK7QString [qt-mt]
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_ZN14QListBoxPixmapD1Ev [qt-mt]	_ZN14QListBoxPixmapD2Ev [qt-mt]
_ZN14QMultiLineEdit10cursorDownEb [qt-mt]	_ZN14QMultiLineEdit10cursorLeftEbb [qt-mt]
_ZN14QMultiLineEdit10insertLineERK7QStringi [qt-mt]	_ZN14QMultiLineEdit10removeLineEi [qt-mt]
_ZN14QMultiLineEdit11cursorRightEbb [qt-mt]	_ZN14QMultiLineEdit11qt_propertyEiiP8QVariant [qt-mt]

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_ZN14QMultiLineEdit12setAlignmentEi [qt-mt]	_ZN14QMultiLineEdit13insertAndMarkERK7QStringb [qt-mt]
_ZN14QMultiLineEdit16staticMetaObjectEv [qt-mt]	_ZN14QMultiLineEdit17cursorWordForwardEb [qt-mt]
_ZN14QMultiLineEdit17setCursorPositionEiib [qt-mt]	_ZN14QMultiLineEdit18cursorWordBackwardEb [qt-mt]
_ZN14QMultiLineEdit18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN14QMultiLineEdit2trEPKcS1_ [qt-mt]
_ZN14QMultiLineEdit3endEb [qt-mt]	_ZN14QMultiLineEdit4homeEb [qt-mt]
_ZN14QMultiLineEdit6pageUpEb [qt-mt]	_ZN14QMultiLineEdit6trUtf8EPKcS1_ [qt-mt]
_ZN14QMultiLineEdit7newLineEv [qt-mt]	_ZN14QMultiLineEdit7qt_castEPKc [qt-mt]
_ZN14QMultiLineEdit7qt_emitEiP8QUObject [qt-mt]	_ZN14QMultiLineEdit8cursorUpEb [qt-mt]
_ZN14QMultiLineEdit8insertAtERK7QStringiib [qt-mt]	_ZN14QMultiLineEdit8killLineEv [qt-mt]
_ZN14QMultiLineEdit8pageDownEb [qt-mt]	_ZN14QMultiLineEdit9backspaceEv [qt-mt]
_ZN14QMultiLineEdit9qt_invokeEiP8QUObject [qt-mt]	_ZN14QMultiLineEdit9setEditedEb [qt-mt]
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_ZN14QMultiLineEditD2Ev [qt-mt]	_ZN14QPtrCollection7newItemEPv [qt-mt]
_ZN14QSqlRecordInfoC1ERK10QSqlRecord [qt-mt]	_ZN14QSqlRecordInfoC2ERK10QSqlRecord [qt-mt]
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_ZN14QUType_QString5clearEP8QUObject [qt-mt]	_ZN14QUType_QString9convertToEP8QUObjectP6QUType [qt-mt]
_ZN14QWaitCondition4waitEP6QMutexm [qt-mt]	_ZN14QWaitCondition4waitEm [qt-mt]
_ZN14QWaitCondition7wakeAllEv	_ZN14QWaitCondition7wakeOneEv

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_ZN14QWaitConditionD0Ev [qt-mt]	_ZN14QWaitConditionD1Ev [qt-mt]
_ZN14QWaitConditionD2Ev [qt-mt]	_ZN14QXmlAttributes5clearEv [qt-mt]
_ZN14QXmlAttributes6appendERK7QStringS2_S2_S2_ [qt-mt]	_ZN15QCanvasItemList10drawUniqueER8QPainter [qt-mt]
_ZN15QCanvasItemList4sortEv [qt-mt]	_ZN15QCheckTableItem10setCheckedEb [qt-mt]
_ZN15QCheckTableItem20setContentFromEditorEP7QWidget [qt-mt]	_ZN15QCheckTableItem5paintEP8QPainterRK11QColorGroupRK5QRectb [qt-mt]
_ZN15QCheckTableItem7setTextERK7QString [qt-mt]	_ZN15QCheckTableItemC1EP6QTableRK7QString [qt-mt]
_ZN15QCheckTableItemC2EP6QTableRK7QString [qt-mt]	_ZN15QComboTableItem11setEditableEb [qt-mt]
_ZN15QComboTableItem13setStringListERK11QStringList [qt-mt]	_ZN15QComboTableItem14setCurrentItemERK7QString [qt-mt]
_ZN15QComboTableItem14setCurrentItemEi [qt-mt]	_ZN15QComboTableItem20setContentFromEditorEP7QWidget [qt-mt]
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_ZN15QComboTableItemC2EP6QTableRK11QStringListb [qt-mt]	_ZN15QComboTableItemD0Ev [qt-mt]
_ZN15QComboTableItemD1Ev [qt-mt]	_ZN15QComboTableItemD2Ev [qt-mt]
_ZN15QCustomMenuItem7setFontERK5QFont [qt-mt]	_ZN15QCustomMenuItemC1Ev [qt-mt]
_ZN15QCustomMenuItemC2Ev [qt-mt]	_ZN15QCustomMenuItemD0Ev [qt-mt]
_ZN15QCustomMenuItemD1Ev [qt-mt]	_ZN15QCustomMenuItemD2Ev [qt-mt]
_ZN15QDockAreaLayout10invalidateEv [qt-mt]	_ZN15QDockAreaLayout11layoutItemsERK5QRectb [qt-mt]
_ZN15QDockAreaLayout11qt_propertyEiiP8QVariant [qt-mt]	_ZN15QDockAreaLayout11setGeometryERK5QRect [qt-mt]
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ZN15QDockAreaLayout6trUtf8EPKcS1 [qt-mt]	_ZN15QDockAreaLayout7qt_castEPKc [qt-mt]
_ZN15QDockAreaLayout7qt_emitEiP8QUObject [qt-mt]	_ZN15QDockAreaLayout8iteratorEv [qt-mt]
_ZN15QDockAreaLayout9qt_invokeEiP8QUObject [qt-mt]	_ZN15QGCacheIterator6toLastEv [qt-mt]
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_ZN15QGCacheIteratormmEv [qt-mt]	_ZN15QGCacheIteratorpLEj [qt-mt]
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_ZN15QGPluginManager14addLibraryPathERK7QString [qt-mt]	_ZN15QGPluginManagerC1ERK5QUuidRK11QStringListRK7QStringb [qt-mt]
_ZN15QGPluginManagerC2ERK5QUuidRK11QStringListRK7QStringb [qt-mt]	_ZN15QGPluginManagerD1Ev [qt-mt]
_ZN15QGPluginManagerD2Ev [qt-mt]	_ZN15QIODeviceSource11readyToSendEv [qt-mt]
_ZN15QIODeviceSource12enableRewindEb [qt-mt]	_ZN15QIODeviceSource6rewindEv [qt-mt]
_ZN15QIODeviceSource6sendToEP9QDataSinki [qt-mt]	_ZN15QIODeviceSourceC1EP9QIODevicei [qt-mt]
_ZN15QIODeviceSourceC2EP9QIODevicei [qt-mt]	_ZN15QIODeviceSourceD0Ev [qt-mt]
_ZN15QIODeviceSourceD1Ev [qt-mt]	_ZN15QIODeviceSourceD2Ev [qt-mt]
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_ZN15QMapPrivateBase18removeAndRebalanceEP12QMapNodeBaseRS1_S2_S2_ [qt-mt]	_ZN15QMapPrivateBase9rebalanceEP12QMapNodeBaseRS1_ [qt-mt]
_ZN15QObjectUserDataD0Ev [qt-mt]	_ZN15QObjectUserDataD1Ev [qt-mt]
_ZN15QObjectUserDataD2Ev [qt-mt]	_ZN15QPNGImagePacker17setPixel

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_ZN15QPNGImagePackerC2EP9QIODeviceii [qt-mt]	_ZN15QPNGImageWriter10setLoopingEi [qt-mt]
_ZN15QPNGImageWriter10writeImageERK6QImageii [qt-mt]	_ZN15QPNGImageWriter10writeImageERK6QImageiii [qt-mt]
_ZN15QPNGImageWriter13setFrameDelayEi [qt-mt]	_ZN15QPNGImageWriter17setDisposalMethodENS_14DisposalMethodE [qt-mt]
_ZN15QPNGImageWriter8setGammaEf [qt-mt]	_ZN15QPNGImageWriterC1EP9QIODevice [qt-mt]
_ZN15QPNGImageWriterC2EP9QIODevice [qt-mt]	_ZN15QPNGImageWriterD1Ev [qt-mt]
_ZN15QPNGImageWriterD2Ev [qt-mt]	_ZN15QPolygonScanner4scanERK11QPointArraybii [qt-mt]
_ZN15QPolygonScanner4scanERK11QPointArraybiiNS_4EdgeE [qt-mt]	_ZN15QPolygonScanner4scanERK11QPointArraybiib [qt-mt]
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_ZN15QProgressDialog11resizeEventEP12QResizeEvent [qt-mt]	_ZN15QProgressDialog11setProgressEi [qt-mt]
_ZN15QProgressDialog11setProgressEii [qt-mt]	_ZN15QProgressDialog11styleChangeER6QStyle [qt-mt]
_ZN15QProgressDialog12setAutoCloseEb [qt-mt]	_ZN15QProgressDialog12setAutoResetEb [qt-mt]
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_ZN15QProgressDialog15setCancelButtonEP11QPushButton [qt-mt]	_ZN15QProgressDialog16staticMetaObjectEv [qt-mt]
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_ZN15QProgressDialog6cancelEv [qt-mt]	_ZN15QProgressDialog6layoutEv [qt-mt]
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_ZN15QProgressDialog7qt_castEPKc [qt-mt]	_ZN15QProgressDialog7qt_emitEiP8QUObject [qt-mt]

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_ZN15QProgressDialogC2EP7QWidgetPKcbj [qt-mt]	_ZN15QProgressDialogC2ERK7QStringS2_iP7QWidgetPKcbj [qt-mt]
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_ZN15QSessionManager13requestPhase2Ev [qt-mt]	_ZN15QSessionManager14setRestartHintENS_11RestartHintE [qt-mt]
_ZN15QSessionManager16staticMetaObjectEv [qt-mt]	_ZN15QSessionManager17allowsInteractionEv [qt-mt]
_ZN15QSessionManager17setDiscardCommandERK11QStringList [qt-mt]	_ZN15QSessionManager17setRestartCommandERK11QStringList [qt-mt]
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_ZN15QSocketNotifier16staticMetaObjectEv [qt-mt]	_ZN15QSocketNotifier18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
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_ZN15QSocketNotifierC2EiNS_4TypeEP7QObjectPKc [qt-mt]	_ZN15QSocketNotifierD0Ev [qt-mt]
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_ZN15QSqlPropertyMap6removeERK7QString [qt-mt]	_ZN15QSqlPropertyMap8propertyEP7QWidget [qt-mt]
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_ZN15QSqlPropertyMapD2Ev [qt-mt]	_ZN15QStyleSheetItem10styleSheetEv [qt-mt]
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_ZN15QStyleSheetItem12setAlignmentEi [qt-mt]	_ZN15QStyleSheetItem12setListStyleENS_9ListStyleE [qt-mt]
_ZN15QStyleSheetItem13setFontFamilyERK7QString [qt-mt]	_ZN15QStyleSheetItem13setFontItalicEb [qt-mt]
_ZN15QStyleSheetItem13setFontWeightEi [qt-mt]	_ZN15QStyleSheetItem14setDisplayModeENS_11DisplayModeE [qt-mt]

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_ZN15QStyleSheetItem16setFontStrikeOutEb [qt-mt]	_ZN15QStyleSheetItem16setFontUnderlineEb [qt-mt]
_ZN15QStyleSheetItem17setWhiteSpaceModeENS_14WhiteSpaceModeE [qt-mt]	_ZN15QStyleSheetItem18setLogicalFontSizeEi [qt-mt]
_ZN15QStyleSheetItem18setNumberOfColumnsEi [qt-mt]	_ZN15QStyleSheetItem20setVerticalAlignmentENS_17VerticalAlignmentE [qt-mt]
_ZN15QStyleSheetItem22setLogicalFontSizeStepEi [qt-mt]	_ZN15QStyleSheetItem4initEv [qt-mt]
_ZN15QStyleSheetItem8setColorERK6QColor [qt-mt]	_ZN15QStyleSheetItem9setAnchorEb [qt-mt]
_ZN15QStyleSheetItem9setMarginENS_6MarginEi [qt-mt]	_ZN15QStyleSheetItemC1EP11QStyleSheetRK7QString [qt-mt]
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_ZN15QTableSelectionC2Eiiii [qt-mt]	_ZN15QTableSelectionC2Ev [qt-mt]
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_ZN15QXmlInputSource4dataEv [qt-mt]	_ZN15QXmlInputSource4initEv [qt-mt]
_ZN15QXmlInputSource4nextEv [qt-mt]	_ZN15QXmlInputSource5resetEv [qt-mt]
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_ZN16QDomNamedNodeMap14setNamedItemNSERK8QDomNode [qt-mt]	_ZN16QDomNamedNodeMap15removeNamedItemERK7QString [qt-mt]
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_ZN16QImageFormatTypeD2Ev [qt-mt]	_ZN16QNetworkProtocol11itemChangedEP17QNetworkOperation [qt-mt]
_ZN16QNetworkProtocol11newChildrenERK10QValueListI8QUrlInfoEP17QNetworkOperation [qt-mt]	_ZN16QNetworkProtocol11qt_propertyEiiP8QVariant [qt-mt]
_ZN16QNetworkProtocol12addOperationEP17QNetworkOperation [qt-mt]	_ZN16QNetworkProtocol12operationGetEP17QNetworkOperation [qt-mt]
_ZN16QNetworkProtocol12operationPutEP17QNetworkOperation [qt-mt]	_ZN16QNetworkProtocol13setAutoDeleteEbi [qt-mt]
_ZN16QNetworkProtocol14operationMkDirEP17QNetworkOperation [qt-mt]	_ZN16QNetworkProtocol15checkConnectionEP17QNetworkOperation [qt-mt]
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_ZN16QNetworkProtocol15operationRenameEP17QNetworkOperation [qt-mt]	_ZN16QNetworkProtocol16createdDirectoryERK8QUrlInfoP17QNetworkOperation [qt-mt]
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_ZN16QNetworkProtocol17operationPutChunkEP17QNetworkOperation [qt-mt]	_ZN16QNetworkProtocol18getNetworkProtocolERK7QString [qt-mt]
_ZN16QNetworkProtocol18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN16QNetworkProtocol19clearOperationQueueEv [qt-mt]
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_ZN16QNetworkProtocol21operationListChildrenEP17QNetworkOperation [qt-mt]	_ZN16QNetworkProtocol22connectionStateChangedEiRK7QString [qt-mt]
_ZN16QNetworkProtocol22hasOnlyLocalFileSystemEv [qt-mt]	_ZN16QNetworkProtocol23registerNetworkProtocolERK7QStringP27QNetworkProtocolFactoryBase [qt-mt]
ZN16QNetworkProtocol2trEPKcS1 [qt-mt]	_ZN16QNetworkProtocol4dataERK9QMemArrayIcEP17QNetworkOperation [qt-mt]
_ZN16QNetworkProtocol4stopEv [qt-mt]	_ZN16QNetworkProtocol5startEP17QNetworkOperation [qt-mt]
_ZN16QNetworkProtocol6setUrlEP12QUrlOperator [qt-mt]	_ZN16QNetworkProtocol6trUtf8EPKcS1_ [qt-mt]
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_ZN16QSqlResultSharedD1Ev [qt-mt]	_ZN16QSqlResultSharedD2Ev [qt-mt]
_ZN16QSqlSelectCursor14populateCursorEv [qt-mt]	_ZN16QSqlSelectCursor4execERK7QString [qt-mt]
_ZN16QSqlSelectCursor6selectERK7QStringRK9QSqlIndex [qt-mt]	_ZN16QSqlSelectCursorC1ERK7QStringP12QSqlDatabase [qt-mt]
ZN16QSqlSelectCursorC1ERKS [qt-mt]	_ZN16QSqlSelectCursorC2ERK7QStringP12QSqlDatabase [qt-mt]
ZN16QSqlSelectCursorC2ERKS [qt-mt]	_ZN16QSqlSelectCursorD0Ev [qt-mt]
_ZN16QSqlSelectCursorD1Ev [qt-mt]	_ZN16QSqlSelectCursorD2Ev [qt-mt]
_ZN16QTextCodecPlugin11qt_propertyEiiP8QVariant [qt-mt]	_ZN16QTextCodecPlugin16staticMetaObjectEv [qt-mt]
_ZN16QTextCodecPlugin18qt_static_propertyEP7QObjectiiP8QVariant	_ZN16QTextCodecPlugin2trEPKcS1_

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_ZN16QTextCodecPlugin7qt_emitEiP8QUObject [qt-mt]	_ZN16QTextCodecPlugin9qt_invokeEiP8QUObject [qt-mt]
_ZN16QTextCodecPluginC1Ev [qt-mt]	_ZN16QTextCodecPluginC2Ev [qt-mt]
_ZN16QTextCodecPluginD0Ev [qt-mt]	_ZN16QTextCodecPluginD1Ev [qt-mt]
_ZN16QTextCodecPluginD2Ev [qt-mt]	_ZN16QXmlSimpleReader10setFeatureERK7QStringb [qt-mt]
_ZN16QXmlSimpleReader10stringAddCERK5QChar [qt-mt]	_ZN16QXmlSimpleReader11next_eat_wsEv [qt-mt]
_ZN16QXmlSimpleReader11parseFailedEMS_FbvEi [qt-mt]	_ZN16QXmlSimpleReader11parsePrologEv [qt-mt]
_ZN16QXmlSimpleReader11parseStringEv [qt-mt]	_ZN16QXmlSimpleReader11setPropertyERK7QStringPv [qt-mt]
_ZN16QXmlSimpleReader12insertXmlRefERK7QStringS2_b [qt-mt]	_ZN16QXmlSimpleReader12parseAttTypeEv [qt-mt]
_ZN16QXmlSimpleReader12parseCommentEv [qt-mt]	_ZN16QXmlSimpleReader12parseContentEv [qt-mt]
_ZN16QXmlSimpleReader12parseDoctypeEv [qt-mt]	_ZN16QXmlSimpleReader12parseElementEv [qt-mt]
_ZN16QXmlSimpleReader12parseNmtokenEv [qt-mt]	_ZN16QXmlSimpleReader13parseAttValueEv [qt-mt]
_ZN16QXmlSimpleReader13parseContinueEv [qt-mt]	_ZN16QXmlSimpleReader13setDTDHandlerEP14QXmlDTDHandler [qt-mt]
_ZN16QXmlSimpleReader13unexpectedEofEMS_FbvEi [qt-mt]	_ZN16QXmlSimpleReader14parseAttributeEv [qt-mt]
_ZN16QXmlSimpleReader14parseChoiceSeqEv [qt-mt]	_ZN16QXmlSimpleReader14parseReferenceEv [qt-mt]
_ZN16QXmlSimpleReader14pushParseStateEMS_FbvEi [qt-mt]	_ZN16QXmlSimpleReader14setDeclHandlerEP15QXmlDeclHandler [qt-mt]
_ZN16QXmlSimpleReader15parseEntityDeclEv [qt-mt]	_ZN16QXmlSimpleReader15parseExternalIDEv [qt-mt]
_ZN16QXmlSimpleReader15parseMarkupdeclEv [qt-mt]	_ZN16QXmlSimpleReader15setErrorHandlerEP16QXmlErrorHandler [qt-mt]
_ZN16QXmlSimpleReader16parseAttlistDeclEv [qt-mt]	_ZN16QXmlSimpleReader16parseElementDeclEv [qt-mt]
_ZN16QXmlSimpleReader16parseEn	_ZN16QXmlSimpleReader16parsePE

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_ZN16QXmlSimpleReader16process ReferenceEv [qt-mt]	_ZN16QXmlSimpleReader16reportP arseErrorERK7QString [qt-mt]
_ZN16QXmlSimpleReader17parseNo tationDeclEv [qt-mt]	_ZN16QXmlSimpleReader17reportE ndEntitiesEv [qt-mt]
_ZN16QXmlSimpleReader17setCont entHandlerEP18QXmlContentHandl er [qt-mt]	_ZN16QXmlSimpleReader17setEntit yResolverEP18QXmlEntityResolver [qt-mt]
_ZN16QXmlSimpleReader17setLexic alHandlerEP18QXmlLexicalHandler [qt-mt]	_ZN16QXmlSimpleReader20parseBe ginOrContinueEib [qt-mt]
_ZN16QXmlSimpleReader22process ElementEmptyTagEv [qt-mt]	_ZN16QXmlSimpleReader23process ElementAttributeEv [qt-mt]
_ZN16QXmlSimpleReader24process ElementETagBegin2Ev [qt-mt]	_ZN16QXmlSimpleReader3refEv [qt-mt]
_ZN16QXmlSimpleReader4initEPK1 5QXmlInputSource [qt-mt]	_ZN16QXmlSimpleReader4nameEv [qt-mt]
_ZN16QXmlSimpleReader4nextEv [qt-mt]	_ZN16QXmlSimpleReader5parseEP K15QXmlInputSource [qt-mt]
_ZN16QXmlSimpleReader5parseEP K15QXmlInputSourceb [qt-mt]	_ZN16QXmlSimpleReader5parseER K15QXmlInputSource [qt-mt]
_ZN16QXmlSimpleReader6eat_wsEv [qt-mt]	_ZN16QXmlSimpleReader6stringEv [qt-mt]
_ZN16QXmlSimpleReader7parsePIE v [qt-mt]	_ZN16QXmlSimpleReader7refAddC ERK5QChar [qt-mt]
_ZN16QXmlSimpleReader8initDataE v [qt-mt]	_ZN16QXmlSimpleReader8nameAd dCERK5QChar [qt-mt]
_ZN16QXmlSimpleReader9parseMis cEv [qt-mt]	_ZN16QXmlSimpleReader9parseNa meEv [qt-mt]
_ZN16QXmlSimpleReaderC1Ev [qt-mt]	_ZN16QXmlSimpleReaderC2Ev [qt-mt]
_ZN16QXmlSimpleReaderD0Ev [qt-mt]	_ZN16QXmlSimpleReaderD1Ev [qt-mt]
_ZN16QXmlSimpleReaderD2Ev [qt-mt]	_ZN17QContextMenuEventC1ENS_6 ReasonERK6QPointi [qt-mt]
_ZN17QContextMenuEventC2ENS_6 ReasonERK6QPointi [qt-mt]	_ZN17QDateTimeEditBase11qt_prop ertyEiiP8QVariant [qt-mt]
_ZN17QDateTimeEditBase16staticM etaObjectEv [qt-mt]	_ZN17QDateTimeEditBase18qt_stati c_propertyEP7QObjectiiP8QVariant [qt-mt]
_ZN17QDateTimeEditBase2trEPKcS1 _ [qt-mt]	_ZN17QDateTimeEditBase6trUtf8EP KcS1_ [qt-mt]
_ZN17QDateTimeEditBase7qt_castE	_ZN17QDateTimeEditBase7qt_emitE

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_ZN17QDomCharacterData10deleteDataEmm [qt-mt]	_ZN17QDomCharacterData10insertDataEmRK7QString [qt-mt]
_ZN17QDomCharacterData11replaceDataEmmRK7QString [qt-mt]	_ZN17QDomCharacterData13substringDataEmm [qt-mt]
_ZN17QDomCharacterData7setDataERK7QString [qt-mt]	_ZN17QDomCharacterDataC1EP24QDomCharacterDataPrivate [qt-mt]
ZN17QDomCharacterDataC1ERKS [qt-mt]	_ZN17QDomCharacterDataC1Ev [qt-mt]
_ZN17QDomCharacterDataC2EP24QDomCharacterDataPrivate [qt-mt]	_ZN17QDomCharacterDataC2ERKS_ [qt-mt]
_ZN17QDomCharacterDataC2Ev [qt-mt]	_ZN17QDomCharacterDataD0Ev [qt-mt]
_ZN17QDomCharacterDataD1Ev [qt-mt]	_ZN17QDomCharacterDataD2Ev [qt-mt]
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_ZN17QFileIconProvider16staticMetaObjectEv [qt-mt]	_ZN17QFileIconProvider18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
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ZN17QFileIconProvider6trUtf8EPKcS1 [qt-mt]	_ZN17QFileIconProvider7qt_castEPKc [qt-mt]
_ZN17QFileIconProvider7qt_emitEiP8QUObject [qt-mt]	_ZN17QFileIconProvider9qt_invokeEiP8QUObject [qt-mt]
_ZN17QFileIconProviderC1EP7QObjectPKc [qt-mt]	_ZN17QFileIconProviderC2EP7QObjectPKc [qt-mt]
_ZN17QNetworkOperation11qt_propertyEiiP8QVariant [qt-mt]	_ZN17QNetworkOperation12setErrorCodeEi [qt-mt]
_ZN17QNetworkOperation16staticMetaObjectEv [qt-mt]	_ZN17QNetworkOperation17setProtocolDetailERK7QString [qt-mt]
_ZN17QNetworkOperation18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN17QNetworkOperation2trEPKcS1_ [qt-mt]
_ZN17QNetworkOperation4freeEv [qt-mt]	_ZN17QNetworkOperation6setArgEiRK7QString [qt-mt]
ZN17QNetworkOperation6trUtf8EPKcS1 [qt-mt]	_ZN17QNetworkOperation7qt_castEPKc [qt-mt]
_ZN17QNetworkOperation7qt_emitEiP8QUObject [qt-mt]	_ZN17QNetworkOperation8deleteMeEv [qt-mt]

_ZN17QNetworkOperation8setStateEN16QNetworkProtocol5StateE [qt-mt]	_ZN17QNetworkOperation9qt_invokeEiP8QUObject [qt-mt]
_ZN17QNetworkOperation9setRawArgEiRK9QMemArrayIcE [qt-mt]	_ZN17QNetworkOperationC1EN16QNetworkProtocol9OperationERK7QStringS4_S4_ [qt-mt]
_ZN17QNetworkOperationC1EN16QNetworkProtocol9OperationERK9QMemArrayIcES5_S5_ [qt-mt]	_ZN17QNetworkOperationC2EN16QNetworkProtocol9OperationERK7QStringS4_S4_ [qt-mt]
_ZN17QNetworkOperationC2EN16QNetworkProtocol9OperationERK9QMemArrayIcES5_S5_ [qt-mt]	_ZN17QNetworkOperationD0Ev [qt-mt]
_ZN17QNetworkOperationD1Ev [qt-mt]	_ZN17QNetworkOperationD2Ev [qt-mt]
_ZN17QSqlEditorFactory12createEditorEP7QWidgetPK9QSqlField [qt-mt]	_ZN17QSqlEditorFactory12createEditorEP7QWidgetRK8QVariant [qt-mt]
_ZN17QSqlEditorFactory14defaultFactoryEv [qt-mt]	_ZN17QSqlEditorFactory21installDefaultFactoryEPS_ [qt-mt]
_ZN17QSqlEditorFactoryC1EP7QObjectPKc [qt-mt]	_ZN17QSqlEditorFactoryC2EP7QObjectPKc [qt-mt]
_ZN17QSqlEditorFactoryD0Ev [qt-mt]	_ZN17QSqlEditorFactoryD1Ev [qt-mt]
_ZN17QSqlEditorFactoryD2Ev [qt-mt]	_ZN17QTextCodecFactory12createForMibEi [qt-mt]
_ZN17QTextCodecFactory13createForNameERK7QString [qt-mt]	_ZN17QtSqlCachedResult10fetchFirstEv [qt-mt]
_ZN17QtSqlCachedResult4dataEi [qt-mt]	_ZN17QtSqlCachedResult4initEi [qt-mt]
_ZN17QtSqlCachedResult5fetchEi [qt-mt]	_ZN17QtSqlCachedResult6isNullEi [qt-mt]
_ZN17QtSqlCachedResult7cleanupEv [qt-mt]	_ZN17QtSqlCachedResult9cacheNextEv [qt-mt]
_ZN17QtSqlCachedResult9fetchLastEv [qt-mt]	_ZN17QtSqlCachedResult9fetchNextEv [qt-mt]
_ZN17QtSqlCachedResult9fetchPrevEv [qt-mt]	_ZN17QtSqlCachedResultC1EPK10QSqlDriver [qt-mt]
_ZN17QtSqlCachedResultC2EPK10QSqlDriver [qt-mt]	_ZN17QtSqlCachedResultD0Ev [qt-mt]
_ZN17QtSqlCachedResultD1Ev [qt-mt]	_ZN17QtSqlCachedResultD2Ev [qt-mt]
_ZN18QCanvasPixmapArray11readPixmapsERK7QStringi [qt-mt]	_ZN18QCanvasPixmapArray11readPixmapsERK7QStringib [qt-mt]
_ZN18QCanvasPixmapArray18read	_ZN18QCanvasPixmapArray5resetE

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CollisionMasksERK7QString [qt-mt]	v [qt-mt]
_ZN18QCanvasPixmapArray8setImageEiP13QCanvasPixmap [qt-mt]	_ZN18QCanvasPixmapArrayC1E10QValueListI7QPixmapE11QPointArray [qt-mt]
_ZN18QCanvasPixmapArrayC1E8QPtrListI7QPixmapES0_I6QPointE [qt-mt]	_ZN18QCanvasPixmapArrayC1ERK7QStringi [qt-mt]
_ZN18QCanvasPixmapArrayC1Ev [qt-mt]	_ZN18QCanvasPixmapArrayC2E10QValueListI7QPixmapE11QPointArray [qt-mt]
_ZN18QCanvasPixmapArrayC2E8QPtrListI7QPixmapES0_I6QPointE [qt-mt]	_ZN18QCanvasPixmapArrayC2ERK7QStringi [qt-mt]
_ZN18QCanvasPixmapArrayC2Ev [qt-mt]	_ZN18QCanvasPixmapArrayD1Ev [qt-mt]
_ZN18QCanvasPixmapArrayD2Ev [qt-mt]	_ZN18QCanvasPixmapArrayntEv [qt-mt]
ZN18QDomImplementation10hasFeatureERK7QStringS2 [qt-mt]	_ZN18QDomImplementation14createDocumentERK7QStringS2_RK16QDomDocumentType [qt-mt]
_ZN18QDomImplementation18createDocumentTypeERK7QStringS2_S2_ [qt-mt]	_ZN18QDomImplementation6isNullEv [qt-mt]
_ZN18QDomImplementationC1EP25QDomImplementationPrivate [qt-mt]	_ZN18QDomImplementationC1ERKS_ [qt-mt]
_ZN18QDomImplementationC1Ev [qt-mt]	_ZN18QDomImplementationC2EP25QDomImplementationPrivate [qt-mt]
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_ZN18QDomImplementationD0Ev [qt-mt]	_ZN18QDomImplementationD1Ev [qt-mt]
_ZN18QDomImplementationD2Ev [qt-mt]	_ZN18QDomImplementationaSERKS_ [qt-mt]
_ZN18QGuardedPtrPrivate11qt_propertyEiiP8QVariant [qt-mt]	_ZN18QGuardedPtrPrivate15objectDestroyedEv [qt-mt]
_ZN18QGuardedPtrPrivate16staticMetaObjectEv [qt-mt]	_ZN18QGuardedPtrPrivate18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
ZN18QGuardedPtrPrivate2trEPKcS1 [qt-mt]	_ZN18QGuardedPtrPrivate6trUtf8EPKcS1_ [qt-mt]
_ZN18QGuardedPtrPrivate7qt_castEPKc [qt-mt]	_ZN18QGuardedPtrPrivate7qt_emitEiP8QUObject [qt-mt]
_ZN18QGuardedPtrPrivate9qt_invokeEiP8QUObject [qt-mt]	_ZN18QGuardedPtrPrivate9reconnectEP7QObject [qt-mt]

_ZN18QGuardedPtrPrivateC1EP7QObject [qt-mt]	_ZN18QGuardedPtrPrivateC2EP7QObject [qt-mt]
_ZN18QGuardedPtrPrivateD0Ev [qt-mt]	_ZN18QGuardedPtrPrivateD1Ev [qt-mt]
_ZN18QGuardedPtrPrivateD2Ev [qt-mt]	_ZN18QHttpRequestHeader10setRequestERK7QStringS2_ii [qt-mt]
_ZN18QHttpRequestHeader9parseLineERK7QStringi [qt-mt]	_ZN18QHttpRequestHeaderC1ERK7QString [qt-mt]
_ZN18QHttpRequestHeaderC1ERK7QStringS2_ii [qt-mt]	_ZN18QHttpRequestHeaderC1ERKS_ [qt-mt]
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_ZN18QHttpRequestHeaderC2Ev [qt-mt]	_ZN18QImageFormatPlugin11qt_propertyEiiP8QVariant [qt-mt]
_ZN18QImageFormatPlugin16staticMetaObjectEv [qt-mt]	_ZN18QImageFormatPlugin18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
ZN18QImageFormatPlugin2trEPKcS1 [qt-mt]	_ZN18QImageFormatPlugin6trUtf8EPKcS1_ [qt-mt]
_ZN18QImageFormatPlugin7qt_castEPKc [qt-mt]	_ZN18QImageFormatPlugin7qt_emitEiP8QUObject [qt-mt]
_ZN18QImageFormatPlugin9loadImageERK7QStringS2_P6QImage [qt-mt]	_ZN18QImageFormatPlugin9qt_invokeEiP8QUObject [qt-mt]
_ZN18QImageFormatPlugin9saveImageERK7QStringS2_RK6QImage [qt-mt]	_ZN18QImageFormatPluginC1Ev [qt-mt]
_ZN18QImageFormatPluginC2Ev [qt-mt]	_ZN18QImageFormatPluginD0Ev [qt-mt]
_ZN18QImageFormatPluginD1Ev [qt-mt]	_ZN18QImageFormatPluginD2Ev [qt-mt]
_ZN18QMetaObjectCleanUp13setMetaObjectERP11QMetaObject [qt-mt]	_ZN18QMetaObjectCleanUpC1EPKcPFP11QMetaObjectvE [qt-mt]
_ZN18QMetaObjectCleanUpC1Ev [qt-mt]	_ZN18QMetaObjectCleanUpC2EPKcPFP11QMetaObjectvE [qt-mt]
_ZN18QMetaObjectCleanUpC2Ev [qt-mt]	_ZN18QMetaObjectCleanUpD1Ev [qt-mt]
_ZN18QMetaObjectCleanUpD2Ev [qt-mt]	_ZN18QMimeSourceFactory10addFactoryEPS_ [qt-mt]
_ZN18QMimeSourceFactory11addFilePathERK7QString [qt-mt]	_ZN18QMimeSourceFactory11setFilePathERK11QStringList [qt-mt]

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ZN18QMimeSourceFactory13removeFactoryEPS [qt-mt]	_ZN18QMimeSourceFactory14defaultFactoryEv [qt-mt]
_ZN18QMimeSourceFactory16setExtensionTypeERK7QStringPKc [qt-mt]	_ZN18QMimeSourceFactory17setDefaultFactoryEPS_ [qt-mt]
_ZN18QMimeSourceFactory18takeDefaultFactoryEv [qt-mt]	_ZN18QMimeSourceFactory7setDataERK7QStringP11QMimeSource [qt-mt]
ZN18QMimeSourceFactory7setTextERK7QStringS2 [qt-mt]	_ZN18QMimeSourceFactory8setImageERK7QStringRK6QImage [qt-mt]
_ZN18QMimeSourceFactory9setPixmapERK7QStringRK7QPixmap [qt-mt]	_ZN18QMimeSourceFactoryC1Ev [qt-mt]
_ZN18QMimeSourceFactoryC2Ev [qt-mt]	_ZN18QMimeSourceFactoryD0Ev [qt-mt]
_ZN18QMimeSourceFactoryD1Ev [qt-mt]	_ZN18QMimeSourceFactoryD2Ev [qt-mt]
_ZN18QSyntaxHighlighter11rehighlightEv [qt-mt]	_ZN18QSyntaxHighlighter9setFormatEiiRK5QFont [qt-mt]
_ZN18QSyntaxHighlighter9setFormatEiiRK5QFontRK6QColor [qt-mt]	_ZN18QSyntaxHighlighter9setFormatEiiRK6QColor [qt-mt]
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_ZN18QSyntaxHighlighterD2Ev [qt-mt]	_ZN18QThreadStorageData3setEPv [qt-mt]
_ZN18QThreadStorageData6finishEPPv [qt-mt]	_ZN18QThreadStorageDataC1EPFvPvE [qt-mt]
_ZN18QThreadStorageDataC2EPFvPvE [qt-mt]	_ZN18QThreadStorageDataD1Ev [qt-mt]
_ZN18QThreadStorageDataD2Ev [qt-mt]	_ZN18QTranslatorMessageC1EPKcS1_S1_RK7QString [qt-mt]
_ZN18QTranslatorMessageC1ER11QDataStream [qt-mt]	_ZN18QTranslatorMessageC1ERKS_ [qt-mt]
_ZN18QTranslatorMessageC1Ev [qt-mt]	_ZN18QTranslatorMessageC2EPKcS1_S1_RK7QString [qt-mt]
_ZN18QTranslatorMessageC2ER11QDataStream [qt-mt]	_ZN18QTranslatorMessageC2ERKS_ [qt-mt]
_ZN18QTranslatorMessageC2Ev [qt-mt]	_ZN18QTranslatorMessageaSERKS_ [qt-mt]
_ZN18QXmlDefaultHandler10charactersERK7QString [qt-mt]	_ZN18QXmlDefaultHandler10endElementERK7QStringS2_S2_ [qt-mt]
_ZN18QXmlDefaultHandler10fatalEr	_ZN18QXmlDefaultHandler10startC

rorERK18QXmlParseException [qt-mt]	DATAEv [qt-mt]
_ZN18QXmlDefaultHandler11endDocumentEv [qt-mt]	_ZN18QXmlDefaultHandler11errorStringEv [qt-mt]
_ZN18QXmlDefaultHandler11startEntityERK7QString [qt-mt]	_ZN18QXmlDefaultHandler12notationDeclERK7QStringS2_S2_ [qt-mt]
_ZN18QXmlDefaultHandler12startElementERK7QStringS2_S2_RK14QXmlAttributes [qt-mt]	_ZN18QXmlDefaultHandler13attributeDeclERK7QStringS2_S2_S2_S2_ [qt-mt]
_ZN18QXmlDefaultHandler13resolveEntityERK7QStringS2_RP15QXmlInputSource [qt-mt]	_ZN18QXmlDefaultHandler13skippedEntityERK7QString [qt-mt]
_ZN18QXmlDefaultHandler13startDocumentEv [qt-mt]	_ZN18QXmlDefaultHandler16endPrefixMappingERK7QString [qt-mt]
_ZN18QXmlDefaultHandler18externalEntityDeclERK7QStringS2_S2_ [qt-mt]	_ZN18QXmlDefaultHandler18internalEntityDeclERK7QStringS2_ [qt-mt]
_ZN18QXmlDefaultHandler18setDocumentLocatorEP11QXmlLocator [qt-mt]	_ZN18QXmlDefaultHandler18startPrefixMappingERK7QStringS2_ [qt-mt]
_ZN18QXmlDefaultHandler18unparsedEntityDeclERK7QStringS2_S2_S2_ [qt-mt]	_ZN18QXmlDefaultHandler19ignorableWhitespaceERK7QString [qt-mt]
ZN18QXmlDefaultHandler21processingInstructionERK7QStringS2 [qt-mt]	_ZN18QXmlDefaultHandler5errorERK18QXmlParseException [qt-mt]
_ZN18QXmlDefaultHandler6endDTDEv [qt-mt]	_ZN18QXmlDefaultHandler7commentERK7QString [qt-mt]
_ZN18QXmlDefaultHandler7warningERK18QXmlParseException [qt-mt]	_ZN18QXmlDefaultHandler8endCDATAEv [qt-mt]
_ZN18QXmlDefaultHandler8startDTDERK7QStringS2_S2_ [qt-mt]	_ZN18QXmlDefaultHandler9endEntityERK7QString [qt-mt]
_ZN19QDomEntityReferenceC1EP26QDomEntityReferencePrivate [qt-mt]	_ZN19QDomEntityReferenceC1ERKS_ [qt-mt]
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ZN19QDomEntityReferenceC2ERKS [qt-mt]	_ZN19QDomEntityReferenceC2Ev [qt-mt]
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_ZN19QDomEntityReferenceD2Ev [qt-mt]	_ZN19QDomEntityReferenceaSERKS_ [qt-mt]
_ZN19QHttpResponseHeader13setStatusLineEiRK7QStringii [qt-mt]	_ZN19QHttpResponseHeader9parseLineERK7QStringi [qt-mt]

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_ZN19QHttpResponseHeaderC1ERK7QString [qt-mt]	_ZN19QHttpResponseHeaderC1ERKS_ [qt-mt]
_ZN19QHttpResponseHeaderC1EiRK7QStringii [qt-mt]	_ZN19QHttpResponseHeaderC1Ev [qt-mt]
_ZN19QHttpResponseHeaderC2ERK7QString [qt-mt]	_ZN19QHttpResponseHeaderC2ERKS_ [qt-mt]
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_ZN20QCanvasPolygonalItem8setBrushE6QBrush [qt-mt]	_ZN20QCanvasPolygonalItemC1EP7QCanvas [qt-mt]
_ZN20QCanvasPolygonalItemC2EP7QCanvas [qt-mt]	_ZN20QCanvasPolygonalItemD0Ev [qt-mt]
_ZN20QCanvasPolygonalItemD1Ev [qt-mt]	_ZN20QCanvasPolygonalItemD2Ev [qt-mt]
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_ZN20QDomDocumentFragmentD2Ev [qt-mt]	_ZN20QDomDocumentFragmentaSERKS_ [qt-mt]
_ZN20QXmlNamespaceSupport10popContextEv [qt-mt]	_ZN20QXmlNamespaceSupport11pushContextEv [qt-mt]
_ZN20QXmlNamespaceSupport5resetEv [qt-mt]	_ZN20QXmlNamespaceSupport9setPrefixERK7QStringS2_ [qt-mt]
_ZN20QXmlNamespaceSupportC1Ev [qt-mt]	_ZN20QXmlNamespaceSupportC2Ev [qt-mt]
_ZN20QXmlNamespaceSupportD1Ev [qt-mt]	_ZN20QXmlNamespaceSupportD2Ev [qt-mt]
_ZN21QListViewItemIterator13addToListViewEv [qt-mt]	_ZN21QListViewItemIterator14currentRemovedEv [qt-mt]
_ZN21QListViewItemIterator4initEi	_ZN21QListViewItemIteratorC1EP13

[qt-mt]	QListViewItem [qt-mt]
_ZN21QListViewItemIteratorC1EP13QListViewItemi [qt-mt]	_ZN21QListViewItemIteratorC1EP9QListView [qt-mt]
_ZN21QListViewItemIteratorC1EP9QListViewi [qt-mt]	_ZN21QListViewItemIteratorC1ERKS_ [qt-mt]
_ZN21QListViewItemIteratorC1Ev [qt-mt]	_ZN21QListViewItemIteratorC2EP13QListViewItem [qt-mt]
_ZN21QListViewItemIteratorC2EP13QListViewItemi [qt-mt]	_ZN21QListViewItemIteratorC2EP9QListView [qt-mt]
_ZN21QListViewItemIteratorC2EP9QListViewi [qt-mt]	_ZN21QListViewItemIteratorC2ERKS_ [qt-mt]
_ZN21QListViewItemIteratorC2Ev [qt-mt]	_ZN21QListViewItemIteratorD1Ev [qt-mt]
_ZN21QListViewItemIteratorD2Ev [qt-mt]	_ZN21QListViewItemIteratoraSERKS_ [qt-mt]
_ZN21QListViewItemIteratordeEv [qt-mt]	_ZN21QListViewItemIteratormIEi [qt-mt]
_ZN21QListViewItemIteratormmEi [qt-mt]	_ZN21QListViewItemIteratormmEv [qt-mt]
_ZN21QListViewItemIteratorpLEi [qt-mt]	_ZN21QListViewItemIteratorppEi [qt-mt]
_ZN21QListViewItemIteratorppEv [qt-mt]	_ZN21QObjectCleanupHandler11qt_propertyEiiP8QVariant [qt-mt]
_ZN21QObjectCleanupHandler15objectDestroyedEP7QObject [qt-mt]	_ZN21QObjectCleanupHandler16staticMetaObjectEv [qt-mt]
_ZN21QObjectCleanupHandler18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN21QObjectCleanupHandler2trEPKcS1_ [qt-mt]
_ZN21QObjectCleanupHandler3addEP7QObject [qt-mt]	_ZN21QObjectCleanupHandler5clearEv [qt-mt]
_ZN21QObjectCleanupHandler6removeEP7QObject [qt-mt]	_ZN21QObjectCleanupHandler6trUtf8EPKcS1_ [qt-mt]
_ZN21QObjectCleanupHandler7qt_castEPKc [qt-mt]	_ZN21QObjectCleanupHandler7qt_emitEiP8QUObject [qt-mt]
_ZN21QObjectCleanupHandler9qt_invokeEiP8QUObject [qt-mt]	_ZN21QObjectCleanupHandlerC1Ev [qt-mt]
_ZN21QObjectCleanupHandlerC2Ev [qt-mt]	_ZN21QObjectCleanupHandlerD0Ev [qt-mt]
_ZN21QObjectCleanupHandlerD1Ev [qt-mt]	_ZN21QObjectCleanupHandlerD2Ev [qt-mt]
_ZN25QDomProcessingInstruction7setDataERK7QString [qt-mt]	_ZN25QDomProcessingInstructionC1EP32QDomProcessingInstructionPrivate [qt-mt]

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ZN25QDomProcessingInstructionC1ERKS [qt-mt]	_ZN25QDomProcessingInstructionC1Ev [qt-mt]
_ZN25QDomProcessingInstructionC2EP32QDomProcessingInstructionPrivate [qt-mt]	_ZN25QDomProcessingInstructionC2ERKS_ [qt-mt]
_ZN25QDomProcessingInstructionC2Ev [qt-mt]	_ZN25QDomProcessingInstructionD0Ev [qt-mt]
_ZN25QDomProcessingInstructionD1Ev [qt-mt]	_ZN25QDomProcessingInstructionD2Ev [qt-mt]
ZN25QDomProcessingInstructionaSERKS [qt-mt]	_ZN4QDir10setCurrentERK7QString [qt-mt]
_ZN4QDir10setSortingEi [qt-mt]	_ZN4QDir11homeDirPathEv [qt-mt]
_ZN4QDir11rootDirPathEv [qt-mt]	_ZN4QDir12cleanDirPathERK7QString [qt-mt]
_ZN4QDir12convertToAbsEv [qt-mt]	_ZN4QDir13setNameFilterERK7QString [qt-mt]
_ZN4QDir14currentDirPathEv [qt-mt]	_ZN4QDir14isRelativePathERK7QString [qt-mt]
_ZN4QDir14readDirEntriesERK7QStringii [qt-mt]	_ZN4QDir15setMatchAllDirsEb [qt-mt]
_ZN4QDir17convertSeparatorsERK7QString [qt-mt]	_ZN4QDir2cdERK7QStringb [qt-mt]
_ZN4QDir4cdUpEv [qt-mt]	_ZN4QDir4homeEv [qt-mt]
_ZN4QDir4initEv [qt-mt]	_ZN4QDir4rootEv [qt-mt]
_ZN4QDir5matchERK11QStringListRK7QString [qt-mt]	_ZN4QDir5matchERK7QStringS2_ [qt-mt]
_ZN4QDir6detachEv [qt-mt]	_ZN4QDir6drivesEv [qt-mt]
_ZN4QDir6existsERK7QStringb [qt-mt]	_ZN4QDir6removeERK7QStringb [qt-mt]
_ZN4QDir6renameERK7QStringS2_b [qt-mt]	_ZN4QDir7currentEv [qt-mt]
_ZN4QDir7setPathERK7QString [qt-mt]	_ZN4QDir8slashifyER7QString [qt-mt]
_ZN4QDir9separatorEv [qt-mt]	_ZN4QDir9setFilterEi [qt-mt]
_ZN4QDirC1ERK7QStringS2_ii [qt-mt]	_ZN4QDirC1ERKS_ [qt-mt]
_ZN4QDirC1Ev [qt-mt]	_ZN4QDirC2ERK7QStringS2_ii [qt-mt]
ZN4QDirC2ERKS [qt-mt]	_ZN4QDirC2Ev [qt-mt]
_ZN4QDirD0Ev [qt-mt]	_ZN4QDirD1Ev [qt-mt]
_ZN4QDirD2Ev [qt-mt]	_ZN4QDiraSERK7QString [qt-mt]

ZN4QDiraSERKS [qt-mt]	_ZN4QDns10startQueryEv [qt-mt]
_ZN4QDns11qt_propertyEiiP8QVariant [qt-mt]	_ZN4QDns12resultsReadyEv [qt-mt]
_ZN4QDns13setRecordTypeENS_10RecordTypeE [qt-mt]	_ZN4QDns16staticMetaObjectEv [qt-mt]
_ZN4QDns18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN4QDns18setStartQueryTimerEv [qt-mt]
_ZN4QDns18toInAddrArpaDomainERK12QHostAddress [qt-mt]	_ZN4QDns2trEPKcS1_ [qt-mt]
ZN4QDns6trUtf8EPKcS1 [qt-mt]	_ZN4QDns7qt_castEPKc [qt-mt]
_ZN4QDns7qt_emitEiP8QUObject [qt-mt]	_ZN4QDns8setLabelERK12QHostAddress [qt-mt]
_ZN4QDns8setLabelERK7QString [qt-mt]	_ZN4QDns9doResInitEv [qt-mt]
_ZN4QDns9qt_invokeEiP8QUObject [qt-mt]	_ZN4QDnsC1ERK12QHostAddressNS_10RecordTypeE [qt-mt]
_ZN4QDnsC1ERK7QStringNS_10RecordTypeE [qt-mt]	_ZN4QDnsC1Ev [qt-mt]
_ZN4QDnsC2ERK12QHostAddressNS_10RecordTypeE [qt-mt]	_ZN4QDnsC2ERK7QStringNS_10RecordTypeE [qt-mt]
_ZN4QDnsC2Ev [qt-mt]	_ZN4QDnsD0Ev [qt-mt]
_ZN4QDnsD1Ev [qt-mt]	_ZN4QDnsD2Ev [qt-mt]
_ZN4QFtp10addCommandEP11QFtpCommand [qt-mt]	_ZN4QFtp10dataClosedEv [qt-mt]
_ZN4QFtp10npListInfoERK8QUrlInfo [qt-mt]	_ZN4QFtp10piFinishedERK7QString [qt-mt]
_ZN4QFtp10piFtpReplyEiRK7QString [qt-mt]	_ZN4QFtp10rawCommandERK7QString [qt-mt]
_ZN4QFtp11npReadyReadEv [qt-mt]	_ZN4QFtp11qt_propertyEiiP8QVariant [qt-mt]
_ZN4QFtp12operationGetEP17QNetworkOperation [qt-mt]	_ZN4QFtp12operationPutEP17QNetworkOperation [qt-mt]
_ZN4QFtp12stateChangedEi [qt-mt]	_ZN4QFtp13connectToHostERK7QStringt [qt-mt]
_ZN4QFtp13dataConnectedEv [qt-mt]	_ZN4QFtp13dataHostFoundEv [qt-mt]
_ZN4QFtp13dataReadyReadEv [qt-mt]	_ZN4QFtp14commandStartedEi [qt-mt]
_ZN4QFtp14npStateChangedEi [qt-mt]	_ZN4QFtp14operationMkDirEP17QNetworkOperation [qt-mt]
_ZN4QFtp14piConnectStateEi [qt-	_ZN4QFtp15checkConnectionEP17Q

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mt]	NetworkOperation [qt-mt]
_ZN4QFtp15commandFinishedEib [qt-mt]	_ZN4QFtp15operationRemoveEP17QNetworkOperation [qt-mt]
_ZN4QFtp15operationRenameEP17QNetworkOperation [qt-mt]	_ZN4QFtp15rawCommandReplyEiRK7QString [qt-mt]
_ZN4QFtp16dataBytesWrittenEi [qt-mt]	_ZN4QFtp16startNextCommandEv [qt-mt]
_ZN4QFtp16staticMetaObjectEv [qt-mt]	_ZN4QFtp18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
_ZN4QFtp20clearPendingCommandsEv [qt-mt]	_ZN4QFtp20dataTransferProgressEii [qt-mt]
_ZN4QFtp21operationListChildrenEP17QNetworkOperation [qt-mt]	_ZN4QFtp22npDataTransferProgressEii [qt-mt]
_ZN4QFtp2cdERK7QString [qt-mt]	_ZN4QFtp2trEPKcS1_ [qt-mt]
_ZN4QFtp3getERK7QStringP9QIODevice [qt-mt]	_ZN4QFtp3putEP9QIODeviceRK7QString [qt-mt]
_ZN4QFtp3putERK9QMemArrayIcERK7QString [qt-mt]	_ZN4QFtp4doneEb [qt-mt]
_ZN4QFtp4initEv [qt-mt]	_ZN4QFtp4listERK7QString [qt-mt]
_ZN4QFtp5abortEv [qt-mt]	_ZN4QFtp5closeEv [qt-mt]
_ZN4QFtp5errorEi [qt-mt]	_ZN4QFtp5loginERK7QStringS2_ [qt-mt]
_ZN4QFtp5mkdirERK7QString [qt-mt]	_ZN4QFtp5rmdirERK7QString [qt-mt]
_ZN4QFtp6closedEv [qt-mt]	_ZN4QFtp6npDoneEb [qt-mt]
_ZN4QFtp6removeERK7QString [qt-mt]	_ZN4QFtp6renameERK7QStringS2_ [qt-mt]
ZN4QFtp6trUtf8EPKcS1 [qt-mt]	_ZN4QFtp7piErrorEiRK7QString [qt-mt]
_ZN4QFtp7qt_castEPKc [qt-mt]	_ZN4QFtp7qt_emitEiP8QUObject [qt-mt]
_ZN4QFtp7readAllEv [qt-mt]	_ZN4QFtp8listInfoERK8QUrlInfo [qt-mt]
_ZN4QFtp8parseDirERK7QStringR8QUrlInfo [qt-mt]	_ZN4QFtp9connectedEv [qt-mt]
_ZN4QFtp9hostFoundEv [qt-mt]	_ZN4QFtp9qt_invokeEiP8QUObject [qt-mt]
_ZN4QFtp9readBlockEPcm [qt-mt]	_ZN4QFtp9readyReadEv [qt-mt]
_ZN4QFtpC1EP7QObjectPKc [qt-mt]	_ZN4QFtpC1Ev [qt-mt]
_ZN4QFtpC2EP7QObjectPKc [qt-mt]	_ZN4QFtpC2Ev [qt-mt]

_ZN4QFtpD0Ev [qt-mt]	_ZN4QFtpD1Ev [qt-mt]
_ZN4QFtpD2Ev [qt-mt]	_ZN4QPen11setCapStyleEN2Qt11PenCapStyleE [qt-mt]
_ZN4QPen12setJoinStyleEN2Qt12PenJoinStyleE [qt-mt]	_ZN4QPen4initERK6QColorjj [qt-mt]
_ZN4QPen6detachEv [qt-mt]	_ZN4QPen8setColorERK6QColor [qt-mt]
_ZN4QPen8setStyleEN2Qt8PenStyleE [qt-mt]	_ZN4QPen8setWidthEj [qt-mt]
_ZN4QPenC1EN2Qt8PenStyleE [qt-mt]	_ZN4QPenC1ERK6QColorjN2Qt8PenStyleE [qt-mt]
_ZN4QPenC1ERK6QColorjN2Qt8PenStyleENS3_11PenCapStyleENS3_12PenJoinStyleE [qt-mt]	_ZN4QPenC1ERKS_ [qt-mt]
_ZN4QPenC1Ev [qt-mt]	_ZN4QPenC2EN2Qt8PenStyleE [qt-mt]
_ZN4QPenC2ERK6QColorjN2Qt8PenStyleE [qt-mt]	_ZN4QPenC2ERK6QColorjN2Qt8PenStyleENS3_11PenCapStyleENS3_12PenJoinStyleE [qt-mt]
ZN4QPenC2ERKS [qt-mt]	_ZN4QPenC2Ev [qt-mt]
_ZN4QPenD1Ev [qt-mt]	_ZN4QPenD2Ev [qt-mt]
ZN4QPenaSERKS [qt-mt]	_ZN4QTab10setIconSetERK8QIconSet [qt-mt]
_ZN4QTab7setTextERK7QString [qt-mt]	_ZN4QTab9setTabBarEP7QTabBar [qt-mt]
_ZN4QTabC1ERK7QString [qt-mt]	_ZN4QTabC1ERK8QIconSetRK7QString [qt-mt]
_ZN4QTabC1Ev [qt-mt]	_ZN4QTabC2ERK7QString [qt-mt]
_ZN4QTabC2ERK8QIconSetRK7QString [qt-mt]	_ZN4QTabC2Ev [qt-mt]
_ZN4QTabD0Ev [qt-mt]	_ZN4QTabD1Ev [qt-mt]
_ZN4QTabD2Ev [qt-mt]	_ZN4QUrl11setFileNameERK7QString [qt-mt]
_ZN4QUrl11setPasswordERK7QString [qt-mt]	_ZN4QUrl11setProtocolERK7QString [qt-mt]
_ZN4QUrl13isRelativeUrlERK7QString [qt-mt]	_ZN4QUrl19encodedPathAndQueryEv [qt-mt]
_ZN4QUrl22setEncodedPathAndQueryERK7QString [qt-mt]	_ZN4QUrl4cdUpEv [qt-mt]
_ZN4QUrl5parseERK7QString [qt-mt]	_ZN4QUrl5resetEv [qt-mt]

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_ZN4QUrl6decodeER7QString [qt-mt]	_ZN4QUrl6encodeER7QString [qt-mt]
_ZN4QUrl6setRefERK7QString [qt-mt]	_ZN4QUrl7addPathERK7QString [qt-mt]
_ZN4QUrl7setHostERK7QString [qt-mt]	_ZN4QUrl7setPathERK7QString [qt-mt]
_ZN4QUrl7setPortEi [qt-mt]	_ZN4QUrl7setUserERK7QString [qt-mt]
_ZN4QUrl8setQueryERK7QString [qt-mt]	_ZN4QUrlC1ERK7QString [qt-mt]
ZN4QUrlC1ERKS [qt-mt]	_ZN4QUrlC1ERKS_RK7QStringb [qt-mt]
_ZN4QUrlC1Ev [qt-mt]	_ZN4QUrlC2ERK7QString [qt-mt]
ZN4QUrlC2ERKS [qt-mt]	_ZN4QUrlC2ERKS_RK7QStringb [qt-mt]
_ZN4QUrlC2Ev [qt-mt]	_ZN4QUrlD0Ev [qt-mt]
_ZN4QUrlD1Ev [qt-mt]	_ZN4QUrlD2Ev [qt-mt]
_ZN4QUrlaSERK7QString [qt-mt]	_ZN4QUrlaSERKS_ [qt-mt]
_ZN5QDate10fromStringERK7QStringN2Qt10DateFormatE [qt-mt]	_ZN5QDate11currentDateEN2Qt8TimeSpecE [qt-mt]
_ZN5QDate11currentDateEv [qt-mt]	_ZN5QDate11longDayNameEi [qt-mt]
_ZN5QDate12shortDayNameEi [qt-mt]	_ZN5QDate13longMonthNameEi [qt-mt]
_ZN5QDate14shortMonthNameEi [qt-mt]	_ZN5QDate17gregorianToJulianEiii [qt-mt]
_ZN5QDate17julianToGregorianEjRiS0_S0_ [qt-mt]	_ZN5QDate6setYMDEiii [qt-mt]
_ZN5QDate7isValidEiii [qt-mt]	_ZN5QDate8leapYearEi [qt-mt]
_ZN5QDateC1Eiii [qt-mt]	_ZN5QDateC2Eiii [qt-mt]
_ZN5QDial10paintEventEP11QPaintEvent [qt-mt]	_ZN5QDial10wheelEventEP11QWheelEvent [qt-mt]
_ZN5QDial11dialPressedEv [qt-mt]	_ZN5QDial11qt_propertyEiiP8QVariant [qt-mt]
_ZN5QDial11rangeChangeEv [qt-mt]	_ZN5QDial11resizeEventEP12QResizeEvent [qt-mt]
_ZN5QDial11setLineStepEi [qt-mt]	_ZN5QDial11setMaxValueEi [qt-mt]
_ZN5QDial11setMinValueEi [qt-mt]	_ZN5QDial11setPageStepEi [qt-mt]
_ZN5QDial11setTrackingEb [qt-mt]	_ZN5QDial11setWrappingEb [qt-mt]
_ZN5QDial11valueChangeEv [qt-mt]	_ZN5QDial12dialReleasedEv [qt-mt]

_ZN5QDial12focusInEventEP11QFocusEvent [qt-mt]	_ZN5QDial12subtractLineEv [qt-mt]
_ZN5QDial12subtractPageEv [qt-mt]	_ZN5QDial12valueChangedEi [qt-mt]
_ZN5QDial13focusOutEventEP11QFocusEvent [qt-mt]	_ZN5QDial13keyPressEventEP9QKeyEvent [qt-mt]
_ZN5QDial13repaintScreenEPK5QRect [qt-mt]	_ZN5QDial14mouseMoveEventEP11QMouseEvent [qt-mt]
_ZN5QDial14setNotchTargetEd [qt-mt]	_ZN5QDial15mousePressEventEP11QMouseEvent [qt-mt]
_ZN5QDial16staticMetaObjectEv [qt-mt]	_ZN5QDial17mouseReleaseEventEP11QMouseEvent [qt-mt]
_ZN5QDial17setNotchesVisibleEb [qt-mt]	_ZN5QDial18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
ZN5QDial2trEPKcS1 [qt-mt]	_ZN5QDial6trUtf8EPKcS1_ [qt-mt]
_ZN5QDial7addLineEv [qt-mt]	_ZN5QDial7addPageEv [qt-mt]
_ZN5QDial7qt_castEPKc [qt-mt]	_ZN5QDial7qt_emitEiP8QUObject [qt-mt]
_ZN5QDial8setValueEi [qt-mt]	_ZN5QDial9calcLinesEv [qt-mt]
_ZN5QDial9dialMovedEi [qt-mt]	_ZN5QDial9qt_invokeEiP8QUObject [qt-mt]
_ZN5QDialC1EP7QWidgetPKcj [qt-mt]	_ZN5QDialC1EiiiiP7QWidgetPKc [qt-mt]
_ZN5QDialC2EP7QWidgetPKcj [qt-mt]	_ZN5QDialC2EiiiiP7QWidgetPKc [qt-mt]
_ZN5QDialD0Ev [qt-mt]	_ZN5QDialD1Ev [qt-mt]
_ZN5QDialD2Ev [qt-mt]	_ZN5QFile10decodeNameERK8QCString [qt-mt]
_ZN5QFile10encodeNameERK7QString [qt-mt]	_ZN5QFile10writeBlockEPKcm [qt-mt]
_ZN5QFile14setErrorStringERK7QString [qt-mt]	_ZN5QFile19setDecodingFunctionEPF7QStringRK8QCStringE [qt-mt]
_ZN5QFile19setEncodingFunctionEPF8QCStringRK7QStringE [qt-mt]	_ZN5QFile19setErrorStringErrnoEi [qt-mt]
_ZN5QFile2atEm [qt-mt]	_ZN5QFile4initEv [qt-mt]
_ZN5QFile4openEi [qt-mt]	_ZN5QFile4openEiP8_IO_FILE [qt-mt]
_ZN5QFile4openEii [qt-mt]	_ZN5QFile5closeEv [qt-mt]
_ZN5QFile5flushEv [qt-mt]	_ZN5QFile5getchEv [qt-mt]
_ZN5QFile5putchEi [qt-mt]	_ZN5QFile6existsERK7QString [qt-mt]

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_ZN5QFile6removeERK7QString [qt-mt]	_ZN5QFile6removeEv [qt-mt]
_ZN5QFile7setNameERK7QString [qt-mt]	_ZN5QFile7ungetchEi [qt-mt]
_ZN5QFile8readLineEPcm [qt-mt]	_ZN5QFile8readLineER7QStringm [qt-mt]
_ZN5QFile9readBlockEPcm [qt-mt]	_ZN5QFileC1ERK7QString [qt-mt]
_ZN5QFileC1Ev [qt-mt]	_ZN5QFileC2ERK7QString [qt-mt]
_ZN5QFileC2Ev [qt-mt]	_ZN5QFileD0Ev [qt-mt]
_ZN5QFileD1Ev [qt-mt]	_ZN5QFileD2Ev [qt-mt]
_ZN5QFont10fromStringERK7QString [qt-mt]	_ZN5QFont10initializeEv [qt-mt]
_ZN5QFont10setRawModeEb [qt-mt]	_ZN5QFont10setRawNameERK7QString [qt-mt]
_ZN5QFont10setStretchEi [qt-mt]	_ZN5QFont10substituteERK7QString [qt-mt]
_ZN5QFont11defaultFontEv [qt-mt]	_ZN5QFont11setOverlineEb [qt-mt]
_ZN5QFont11substitutesERK7QString [qt-mt]	_ZN5QFont12setPixelSizeEi [qt-mt]
_ZN5QFont12setPointSizeEi [qt-mt]	_ZN5QFont12setStrikeOutEb [qt-mt]
_ZN5QFont12setStyleHintENS_9StyleHintENS_13StyleStrategyE [qt-mt]	_ZN5QFont12setUnderlineEb [qt-mt]
_ZN5QFont12x11SetScreenEi [qt-mt]	_ZN5QFont13setFixedPitchEb [qt-mt]
_ZN5QFont13substitutionsEv [qt-mt]	_ZN5QFont14setDefaultFontERKS_ [qt-mt]
_ZN5QFont15cacheStatisticsEv [qt-mt]	_ZN5QFont16setStyleStrategyENS_13StyleStrategyE [qt-mt]
_ZN5QFont17setPixelSizeFloatEf [qt-mt]	_ZN5QFont17setPointSizeFloatEf [qt-mt]
ZN5QFont18insertSubstitutionERK7QStringS2 [qt-mt]	_ZN5QFont18removeSubstitutionERK7QString [qt-mt]
_ZN5QFont19insertSubstitutionsERK7QStringRK11QStringList [qt-mt]	_ZN5QFont6detachEv [qt-mt]
_ZN5QFont7cleanupEv [qt-mt]	_ZN5QFont9setFamilyERK7QString [qt-mt]
_ZN5QFont9setItalicEb [qt-mt]	_ZN5QFont9setWeightEi [qt-mt]
_ZN5QFontC1EP12QFontPrivateP12QPaintDevice [qt-mt]	_ZN5QFontC1ERK7QStringiib [qt-mt]
ZN5QFontC1ERKS [qt-mt]	_ZN5QFontC1Ev [qt-mt]

_ZN5QFontC2EP12QFontPrivateP12QPaintDevice [qt-mt]	_ZN5QFontC2ERK7QStringiib [qt-mt]
ZN5QFontC2ERKS [qt-mt]	_ZN5QFontC2Ev [qt-mt]
_ZN5QFontD1Ev [qt-mt]	_ZN5QFontD2Ev [qt-mt]
ZN5QFontaSERKS [qt-mt]	_ZN5QGrid10setSpacingEi [qt-mt]
_ZN5QGrid11qt_propertyEiiP8QVariant [qt-mt]	_ZN5QGrid12frameChangedEv [qt-mt]
_ZN5QGrid16staticMetaObjectEv [qt-mt]	_ZN5QGrid18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
ZN5QGrid2trEPKcS1 [qt-mt]	_ZN5QGrid6trUtf8EPKcS1_ [qt-mt]
_ZN5QGrid7qt_castEPKc [qt-mt]	_ZN5QGrid7qt_emitEiP8QUObject [qt-mt]
_ZN5QGrid9qt_invokeEiP8QUObject [qt-mt]	_ZN5QGridC1EiN2Qt11OrientationEP7QWidgetPKcj [qt-mt]
_ZN5QGridC1EiP7QWidgetPKcj [qt-mt]	_ZN5QGridC2EiN2Qt11OrientationEP7QWidgetPKcj [qt-mt]
_ZN5QGridC2EiP7QWidgetPKcj [qt-mt]	_ZN5QHBox10setSpacingEi [qt-mt]
_ZN5QHBox11qt_propertyEiiP8QVariant [qt-mt]	_ZN5QHBox12frameChangedEv [qt-mt]
_ZN5QHBox16setStretchFactorEP7QWidgeti [qt-mt]	_ZN5QHBox16staticMetaObjectEv [qt-mt]
_ZN5QHBox18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN5QHBox2trEPKcS1_ [qt-mt]
ZN5QHBox6trUtf8EPKcS1 [qt-mt]	_ZN5QHBox7qt_castEPKc [qt-mt]
_ZN5QHBox7qt_emitEiP8QUObject [qt-mt]	_ZN5QHBox9qt_invokeEiP8QUObject [qt-mt]
_ZN5QHBoxC1EP7QWidgetPKcj [qt-mt]	_ZN5QHBoxC1EbP7QWidgetPKcj [qt-mt]
_ZN5QHBoxC2EP7QWidgetPKcj [qt-mt]	_ZN5QHBoxC2EbP7QWidgetPKcj [qt-mt]
_ZN5QHttp10addRequestEP12QHttpRequest [qt-mt]	_ZN5QHttp10clientDoneEb [qt-mt]
_ZN5QHttp10slotClosedEv [qt-mt]	_ZN5QHttp10timerEventEP11QTimerEvent [qt-mt]
_ZN5QHttp11clientReplyERK19QHttpResponseHeader [qt-mt]	_ZN5QHttp11qt_propertyEiiP8QVariant [qt-mt]
_ZN5QHttp11sendRequestEv [qt-mt]	_ZN5QHttp12operationGetEP17QNetworkOperation [qt-mt]
_ZN5QHttp12operationPutEP17QNetworkOperation [qt-mt]	_ZN5QHttp12stateChangedEi [qt-mt]

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_ZN5QHttp13killIdleTimerEv [qt-mt]	_ZN5QHttp13slotConnectedEv [qt-mt]
_ZN5QHttp13slotReadyReadEv [qt-mt]	_ZN5QHttp14requestStartedEi [qt-mt]
_ZN5QHttp15closeConnectionEv [qt-mt]	_ZN5QHttp15requestFinishedEib [qt-mt]
_ZN5QHttp16dataReadProgressEii [qt-mt]	_ZN5QHttp16dataSendProgressEii [qt-mt]
_ZN5QHttp16slotBytesWrittenEi [qt-mt]	_ZN5QHttp16startNextRequestEv [qt-mt]
_ZN5QHttp16staticMetaObjectEv [qt-mt]	_ZN5QHttp17finishedWithErrorERK7QStringi [qt-mt]
_ZN5QHttp18clientStateChangedEi [qt-mt]	_ZN5QHttp18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
_ZN5QHttp19finishedWithSuccessEv [qt-mt]	_ZN5QHttp20clearPendingRequestsEv [qt-mt]
_ZN5QHttp22responseHeaderReceivedERK19QHttpResponseHeader [qt-mt]	_ZN5QHttp2trEPKcS1_ [qt-mt]
_ZN5QHttp3getERK7QStringP9QIODevice [qt-mt]	_ZN5QHttp4doneEb [qt-mt]
_ZN5QHttp4headERK7QString [qt-mt]	_ZN5QHttp4initEv [qt-mt]
ZN5QHttp4postERK7QStringP9QIODeviceS4 [qt-mt]	_ZN5QHttp4postERK7QStringRK9QMemArrayIcEP9QIODevice [qt-mt]
_ZN5QHttp5abortEv [qt-mt]	_ZN5QHttp5closeEv [qt-mt]
ZN5QHttp6trUtf8EPKcS1 [qt-mt]	_ZN5QHttp7qt_castEPKc [qt-mt]
_ZN5QHttp7qt_emitEiP8QUObject [qt-mt]	_ZN5QHttp7readAllEv [qt-mt]
ZN5QHttp7requestERK18QHttpRequestHeaderP9QIODeviceS4 [qt-mt]	_ZN5QHttp7requestERK18QHttpRequestHeaderRK9QMemArrayIcEP9QIODevice [qt-mt]
_ZN5QHttp7setHostERK7QStringt [qt-mt]	_ZN5QHttp8setStateEi [qt-mt]
_ZN5QHttp9qt_invokeEiP8QUObject [qt-mt]	_ZN5QHttp9readBlockEPcm [qt-mt]
_ZN5QHttp9readyReadERK19QHttpResponseHeader [qt-mt]	_ZN5QHttp9slotErrorEi [qt-mt]
_ZN5QHttpC1EP7QObjectPKc [qt-mt]	_ZN5QHttpC1ERK7QStringtP7QObjectPKc [qt-mt]
_ZN5QHttpC1Ev [qt-mt]	_ZN5QHttpC2EP7QObjectPKc [qt-mt]

_ZN5QHttpC2ERK7QStringtP7QObjectPKc [qt-mt]	_ZN5QHttpC2Ev [qt-mt]
_ZN5QHttpD0Ev [qt-mt]	_ZN5QHttpD1Ev [qt-mt]
_ZN5QHttpD2Ev [qt-mt]	_ZN5QRect10moveBottomEi [qt-mt]
_ZN5QRect10moveCenterERK6QPoint [qt-mt]	_ZN5QRect10setTopLeftERK6QPoint [qt-mt]
_ZN5QRect11moveTopLeftERK6QPoint [qt-mt]	_ZN5QRect11setTopRightERK6QPoint [qt-mt]
_ZN5QRect12moveTopRightERK6QPoint [qt-mt]	_ZN5QRect13setBottomLeftERK6QPoint [qt-mt]
_ZN5QRect14moveBottomLeftERK6QPoint [qt-mt]	_ZN5QRect14setBottomRightERK6QPoint [qt-mt]
_ZN5QRect15moveBottomRightERK6QPoint [qt-mt]	_ZN5QRect6moveByEii [qt-mt]
_ZN5QRect7moveTopEi [qt-mt]	_ZN5QRect7setRectEiiii [qt-mt]
_ZN5QRect7setSizeERK5QSize [qt-mt]	_ZN5QRect8moveLeftEi [qt-mt]
_ZN5QRect8setWidthEi [qt-mt]	_ZN5QRect9addCoordsEiiii [qt-mt]
_ZN5QRect9moveRightEi [qt-mt]	_ZN5QRect9setCoordsEiiii [qt-mt]
_ZN5QRect9setHeightEi [qt-mt]	_ZN5QRectC1ERK6QPointRK5QSize [qt-mt]
ZN5QRectC1ERK6QPointS2 [qt-mt]	_ZN5QRectC2ERK6QPointRK5QSize [qt-mt]
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_ZN5QSize5scaleERKS_NS_9ScaleModeE [qt-mt]	_ZN5QSize5scaleEiiNS_9ScaleModeE [qt-mt]
_ZN5QSize9transposeEv [qt-mt]	_ZN5QTime10fromStringERK7QStringN2Qt10DateFormatE [qt-mt]
_ZN5QTime11currentTimeEN2Qt8TimeSpecE [qt-mt]	_ZN5QTime11currentTimeEPS_ [qt-mt]
_ZN5QTime11currentTimeEPS_N2Qt8TimeSpecE [qt-mt]	_ZN5QTime11currentTimeEv [qt-mt]
_ZN5QTime5startEv [qt-mt]	_ZN5QTime6setHMSEiiii [qt-mt]
_ZN5QTime7isValidEiiii [qt-mt]	_ZN5QTime7restartEv [qt-mt]
_ZN5QTimeC1Eiiii [qt-mt]	_ZN5QTimeC2Eiiii [qt-mt]
_ZN5QUuid10createUuidEv [qt-mt]	_ZN5QUuidC1EPKc [qt-mt]
_ZN5QUuidC1ERK7QString [qt-mt]	_ZN5QUuidC2EPKc [qt-mt]

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_ZN5QVBox16staticMetaObjectEv [qt-mt]	_ZN5QVBox18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
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_ZN5QVBoxC2EP7QWidgetPKcj [qt-mt]	_ZN6QAccel10insertItemERK12QKeySequencei [qt-mt]
_ZN6QAccel10removeItemEi [qt-mt]	_ZN6QAccel10setEnabledEb [qt-mt]
_ZN6QAccel11connectItemEiPK7QObjectPKc [qt-mt]	_ZN6QAccel11eventFilterEP7QObjectP6QEvent [qt-mt]
_ZN6QAccel11keyToStringE12QKeySequence [qt-mt]	_ZN6QAccel11qt_propertyEiiP8QVariant [qt-mt]
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_ZN6QAccel12setWhatsThisEiRK7QString [qt-mt]	_ZN6QAccel14disconnectItemEiPK7QObjectPKc [qt-mt]
_ZN6QAccel14setItemEnabledEib [qt-mt]	_ZN6QAccel16staticMetaObjectEv [qt-mt]
_ZN6QAccel17repairEventFilterEv [qt-mt]	_ZN6QAccel18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
_ZN6QAccel18setIgnoreWhatsThisEb [qt-mt]	_ZN6QAccel20activatedAmbiguouslyEi [qt-mt]
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_ZN6QAccelC2EP7QWidgetP7QObjectPKc [qt-mt]	_ZN6QAccelC2EP7QWidgetPKc [qt-mt]
_ZN6QAccelD0Ev [qt-mt]	_ZN6QAccelD1Ev [qt-mt]
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_ZN6QBrush6detachEv [qt-mt]	_ZN6QBrush8setColorERK6QColor [qt-mt]

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_ZN6QBrushC1Ev [qt-mt]	_ZN6QBrushC2EN2Qt10BrushStyleE [qt-mt]
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_ZN6QColor10initializeEv [qt-mt]	_ZN6QColor12globalColorsEv [qt-mt]
_ZN6QColor12numBitPlanesEv [qt-mt]	_ZN6QColor13setNamedColorERK7QString [qt-mt]
_ZN6QColor16initGlobalColorsEv [qt-mt]	_ZN6QColor17enterAllocContextEv [qt-mt]
_ZN6QColor17leaveAllocContextEv [qt-mt]	_ZN6QColor19currentAllocContextEv [qt-mt]
_ZN6QColor19destroyAllocContextEi [qt-mt]	_ZN6QColor19setSystemNamedColorERK7QString [qt-mt]
_ZN6QColor5allocEi [qt-mt]	_ZN6QColor5allocEv [qt-mt]
_ZN6QColor6setHsvEiii [qt-mt]	_ZN6QColor6setRgbEiii [qt-mt]
_ZN6QColor6setRgbEj [qt-mt]	_ZN6QColor7cleanupEv [qt-mt]
_ZN6QColor8setPixelEj [qt-mt]	_ZN6QColor9maxColorsEv [qt-mt]
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_ZN6QColorC1Ejj [qt-mt]	_ZN6QColorC2EPKc [qt-mt]
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_ZN6QEventD1Ev [qt-mt]	_ZN6QEventD2Ev [qt-mt]
_ZN6QFrame10paintEventEP11QPaintEvent [qt-mt]	_ZN6QFrame11qt_propertyEiiP8QVariant [qt-mt]
_ZN6QFrame11resizeEventEP12QRe	_ZN6QFrame11styleChangeER6QSty

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sizeEvent [qt-mt]	le [qt-mt]
_ZN6QFrame12drawContentsEP8QPainter [qt-mt]	_ZN6QFrame12frameChangedEv [qt-mt]
_ZN6QFrame12setFrameRectERK5QRect [qt-mt]	_ZN6QFrame12setLineWidthEi [qt-mt]
_ZN6QFrame13setFrameStyleEi [qt-mt]	_ZN6QFrame15setMidLineWidthEi [qt-mt]
_ZN6QFrame16staticMetaObjectEv [qt-mt]	_ZN6QFrame16updateFrameWidthEb [qt-mt]
_ZN6QFrame18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN6QFrame2trEPKcS1_ [qt-mt]
ZN6QFrame6trUtf8EPKcS1 [qt-mt]	_ZN6QFrame7qt_castEPKc [qt-mt]
_ZN6QFrame7qt_emitEiP8QUObject [qt-mt]	_ZN6QFrame9drawFrameEP8QPainter [qt-mt]
_ZN6QFrame9qt_invokeEiP8QUObject [qt-mt]	_ZN6QFrame9setMarginEi [qt-mt]
_ZN6QFrameC1EP7QWidgetPKcj [qt-mt]	_ZN6QFrameC2EP7QWidgetPKcj [qt-mt]
_ZN6QGDict10look_asciiEPKcPvi [qt-mt]	_ZN6QGDict10remove_intElPv [qt-mt]
_ZN6QGDict10remove_ptrEPvS0_ [qt-mt]	_ZN6QGDict10take_asciiEPKc [qt-mt]
_ZN6QGDict10unlink_intElPv [qt-mt]	_ZN6QGDict10unlink_ptrEPvS0_ [qt-mt]
_ZN6QGDict11look_stringERK7QStringPvi [qt-mt]	_ZN6QGDict11take_stringERK7QString [qt-mt]
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_ZN6QGDict13unlink_stringERK7QStringPv [qt-mt]	_ZN6QGDict4initEjNS_7KeyTypeEbb [qt-mt]
_ZN6QGDict4readER11QDataStream [qt-mt]	_ZN6QGDict4readER11QDataStreamRPv [qt-mt]
_ZN6QGDict5clearEv [qt-mt]	_ZN6QGDict6resizeEj [qt-mt]
_ZN6QGDict8look_intElPvi [qt-mt]	_ZN6QGDict8look_ptrEPvS0_i [qt-mt]
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ZN6QGDictC2ERKS [qt-mt]	_ZN6QGDictC2EjNS_7KeyTypeEbb [qt-mt]
_ZN6QGDictD0Ev [qt-mt]	_ZN6QGDictD1Ev [qt-mt]
_ZN6QGDictD2Ev [qt-mt]	_ZN6QGDictaSERKS_ [qt-mt]
_ZN6QGList10relinkNodeEP6QLNode [qt-mt]	_ZN6QGList10removeNodeEP6QLNode [qt-mt]
ZN6QGList12compareItemsEPvS0 [qt-mt]	_ZN6QGList16heapSortPushDownEPPvii [qt-mt]
_ZN6QGList4findEPvb [qt-mt]	_ZN6QGList4lastEv [qt-mt]
_ZN6QGList4nextEv [qt-mt]	_ZN6QGList4prevEv [qt-mt]
_ZN6QGList4readER11QDataStream [qt-mt]	_ZN6QGList4readER11QDataStreamRPv [qt-mt]
_ZN6QGList4sortEv [qt-mt]	_ZN6QGList4takeEv [qt-mt]
_ZN6QGList5clearEv [qt-mt]	_ZN6QGList5eraseEP6QLNode [qt-mt]
_ZN6QGList5firstEv [qt-mt]	_ZN6QGList6appendEPv [qt-mt]
_ZN6QGList6inSortEPv [qt-mt]	_ZN6QGList6locateEj [qt-mt]
_ZN6QGList6removeEPv [qt-mt]	_ZN6QGList6takeAtEj [qt-mt]
_ZN6QGList6unlinkEv [qt-mt]	_ZN6QGList7findRefEPvb [qt-mt]
_ZN6QGList7prependEPv [qt-mt]	_ZN6QGList8insertAtEjPv [qt-mt]
_ZN6QGList8removeAtEj [qt-mt]	_ZN6QGList8takeLastEv [qt-mt]
_ZN6QGList8takeNodeEP6QLNode [qt-mt]	_ZN6QGList9removeRefEPv [qt-mt]
_ZN6QGList9replaceAtEjPv [qt-mt]	_ZN6QGList9takeFirstEv [qt-mt]
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_ZN6QGListD2Ev [qt-mt]	_ZN6QGListaSERKS_ [qt-mt]
_ZN6QImage11imageFormatERK7QString [qt-mt]	_ZN6QImage12inputFormatsEv [qt-mt]
_ZN6QImage12invertPixelsEb [qt-mt]	_ZN6QImage12loadFromDataE9QMemArrayIcEPKc [qt-mt]
_ZN6QImage12loadFromDataEPKhjPKc [qt-mt]	_ZN6QImage12setNumColorsEi [qt-mt]
_ZN6QImage13outputFormatsEv [qt-mt]	_ZN6QImage14fromMimeSourceERK7QString [qt-mt]
_ZN6QImage14setAlphaBufferEb [qt-mt]	_ZN6QImage14systemBitOrderEv [qt-mt]

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_ZN6QImage15inputFormatListEv [qt-mt]	_ZN6QImage15systemByteOrderEv [qt-mt]
_ZN6QImage16outputFormatListEv [qt-mt]	_ZN6QImage16setDotsPerMeterXEi [qt-mt]
_ZN6QImage16setDotsPerMeterYEi [qt-mt]	_ZN6QImage17warningIndexRange EPKci [qt-mt]
_ZN6QImage4fillEj [qt-mt]	_ZN6QImage4initEv [qt-mt]
_ZN6QImage4loadERK7QStringPKc [qt-mt]	_ZN6QImage5resetEv [qt-mt]
_ZN6QImage6createERK5QSizeiiNS _6EndianE [qt-mt]	_ZN6QImage6createEiiiiNS_6Endian E [qt-mt]
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_ZN6QImage7setTextEPKcS1_RK7Q String [qt-mt]	_ZN6QImage8freeBitsEv [qt-mt]
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_ZN6QLabel11qt_propertyEiiP8QVa riant [qt-mt]	_ZN6QLabel11resizeEventEP12QRes izeEvent [qt-mt]
_ZN6QLabel11updateLabelE5QSize [qt-mt]	_ZN6QLabel12drawContentsEP8QPa inter [qt-mt]

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_ZN6QLabel8setBuddyEP7QWidget [qt-mt]	_ZN6QLabel8setMovieERK6QMovie [qt-mt]
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_ZN6QLabelD2Ev [qt-mt]	_ZN6QMovie13connectResizeEP7QObjectPKc [qt-mt]
_ZN6QMovie13connectStatusEP7QObjectPKc [qt-mt]	_ZN6QMovie13connectUpdateEP7QObjectPKc [qt-mt]
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_ZN6QMovie16disconnectUpdateEP7QObjectPKc [qt-mt]	_ZN6QMovie18setBackgroundColorERK6QColor [qt-mt]
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_ZN6QMovie7unpauseEv [qt-mt]	_ZN6QMovie8pushDataEPKhi [qt-

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_ZN6QMovieC1EP11QDataSourcei [qt-mt]	_ZN6QMovieC1ERK7QStringi [qt-mt]
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_ZN6QMovieC1Ev [qt-mt]	_ZN6QMovieC2E9QMemArrayIcEi [qt-mt]
_ZN6QMovieC2EP11QDataSourcei [qt-mt]	_ZN6QMovieC2ERK7QStringi [qt-mt]
ZN6QMovieC2ERKS [qt-mt]	_ZN6QMovieC2Ei [qt-mt]
_ZN6QMovieC2Ev [qt-mt]	_ZN6QMovieD1Ev [qt-mt]
_ZN6QMovieD2Ev [qt-mt]	_ZN6QMovieaSERKS_ [qt-mt]
_ZN6QMutex4lockEv [qt-mt]	_ZN6QMutex6lockedEv [qt-mt]
_ZN6QMutex6unlockEv [qt-mt]	_ZN6QMutex7tryLockEv [qt-mt]
_ZN6QMutexC1Eb [qt-mt]	_ZN6QMutexC2Eb [qt-mt]
_ZN6QMutexD0Ev [qt-mt]	_ZN6QMutexD1Ev [qt-mt]
_ZN6QMutexD2Ev [qt-mt]	_ZN6QPoint16warningDivByZeroEv [qt-mt]
_ZN6QSound11isAvailableEv [qt-mt]	_ZN6QSound11qt_propertyEiiP8QVariant [qt-mt]
_ZN6QSound16staticMetaObjectEv [qt-mt]	_ZN6QSound18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
ZN6QSound2trEPKcS1 [qt-mt]	_ZN6QSound4playERK7QString [qt-mt]
_ZN6QSound4playEv [qt-mt]	_ZN6QSound4stopEv [qt-mt]
ZN6QSound6trUtf8EPKcS1 [qt-mt]	_ZN6QSound7qt_castEPKc [qt-mt]
_ZN6QSound7qt_emitEiP8QUObject [qt-mt]	_ZN6QSound8setLoopsEi [qt-mt]
_ZN6QSound9qt_invokeEiP8QUObject [qt-mt]	_ZN6QSoundC1ERK7QStringP7QObjectPKc [qt-mt]
_ZN6QSoundC2ERK7QStringP7QObjectPKc [qt-mt]	_ZN6QSoundD0Ev [qt-mt]
_ZN6QSoundD1Ev [qt-mt]	_ZN6QSoundD2Ev [qt-mt]
_ZN6QStyle10visualRectERK5QRectPK7QWidget [qt-mt]	_ZN6QStyle10visualRectERK5QRectS2_ [qt-mt]
_ZN6QStyle11qt_propertyEiiP8QVariant [qt-mt]	_ZN6QStyle15polishPopupMenuEP10QPopupMenu [qt-mt]
_ZN6QStyle16staticMetaObjectEv [qt-mt]	_ZN6QStyle18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]

ZN6QStyle2trEPKcS1 [qt-mt]	_ZN6QStyle6polishEP12QApplicatio n [qt-mt]
_ZN6QStyle6polishEP7QWidget [qt-mt]	_ZN6QStyle6polishER8QPalette [qt-mt]
ZN6QStyle6trUtf8EPKcS1 [qt-mt]	_ZN6QStyle7qt_castEPKc [qt-mt]
_ZN6QStyle7qt_emitEiP8QUObject [qt-mt]	_ZN6QStyle8unPolishEP12QApplica tion [qt-mt]
_ZN6QStyle8unPolishEP7QWidget [qt-mt]	_ZN6QStyle9qt_invokeEiP8QUObjec t [qt-mt]
_ZN6QStyleC1Ev [qt-mt]	_ZN6QStyleC2Ev [qt-mt]
_ZN6QStyleD0Ev [qt-mt]	_ZN6QStyleD1Ev [qt-mt]
_ZN6QStyleD2Ev [qt-mt]	_ZN6QTable10dragObjectEv [qt-mt]
_ZN6QTable10hideColumnEi [qt-mt]	_ZN6QTable10insertRowsEii [qt-mt]
_ZN6QTable10paintEventEP11QPain tEvent [qt-mt]	_ZN6QTable10paintFocusEP8QPaint erRK5QRect [qt-mt]
_ZN6QTable10removeRowsERK9Q MemArrayIiE [qt-mt]	_ZN6QTable10resizeDataEi [qt-mt]
_ZN6QTable10setEnabledEb [qt-mt]	_ZN6QTable10setNumColsEi [qt-mt]
_ZN6QTable10setNumRowsEi [qt-mt]	_ZN6QTable10setSortingEb [qt-mt]
_ZN6QTable10showColumnEi [qt-mt]	_ZN6QTable10sortColumnEibb [qt-mt]
_ZN6QTable10updateCellEii [qt-mt]	_ZN6QTable11eventFilterEP7QObjec tP6QEvent [qt-mt]
_ZN6QTable11qt_propertyEiiP8QVa riant [qt-mt]	_ZN6QTable11repaintCellEii [qt-mt]
_ZN6QTable11selectCellsEiiii [qt-mt]	_ZN6QTable11setEditModeENS_8Ed itModeEii [qt-mt]
_ZN6QTable11setReadOnlyEb [qt-mt]	_ZN6QTable11setShowGridEb [qt-mt]
_ZN6QTable11swapColumnsEiib [qt-mt]	_ZN6QTable12addSelectionERK15Q TableSelection [qt-mt]
_ZN6QTable12adjustColumnEi [qt-mt]	_ZN6QTable12doAutoScrollEv [qt-mt]
_ZN6QTable12drawContentsEP8QPa inter [qt-mt]	_ZN6QTable12drawContentsEP8QPa interiiii [qt-mt]
_ZN6QTable12focusInEventEP11QFo cusEvent [qt-mt]	_ZN6QTable12insertWidgetEiiP7QW idget [qt-mt]
_ZN6QTable12removeColumnEi [qt-mt]	_ZN6QTable12saveContentsER10QPt rVectorI10QTableItemERS0_INS_11T ableWidgetEE [qt-mt]

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_ZN6QTable12selectColumnEi [qt-mt]	_ZN6QTable12setRowHeightEii [qt-mt]
_ZN6QTable12setRowLabelsERK11QStringList [qt-mt]	_ZN6QTable12setTopMarginEi [qt-mt]
_ZN6QTable12valueChangedEii [qt-mt]	_ZN6QTable13columnClickedEi [qt-mt]
_ZN6QTable13doubleClickedEiiiRK6QPoint [qt-mt]	_ZN6QTable13focusOutEventEP11QFocusEvent [qt-mt]
_ZN6QTable13insertColumnsEii [qt-mt]	_ZN6QTable13keyPressEventEP9QKeyEvent [qt-mt]
_ZN6QTable13rangeGeometryEiiiiRb [qt-mt]	_ZN6QTable13removeColumnsERK9QMemArrayIiE [qt-mt]
_ZN6QTable13setCellWidgetEiiP7QWidget [qt-mt]	_ZN6QTable13setFocusStyleENS_10FocusStyleE [qt-mt]
_ZN6QTable13setLeftMarginEi [qt-mt]	_ZN6QTable14clearSelectionEb [qt-mt]
_ZN6QTable14currentChangedEii [qt-mt]	_ZN6QTable14doValueChangedEv [qt-mt]
_ZN6QTable14paintEmptyAreaEP8QPainteriiii [qt-mt]	_ZN6QTable14setColumnWidthEii [qt-mt]
_ZN6QTable14setCurrentCellEii [qt-mt]	_ZN6QTable14setCurrentCellEiibb [qt-mt]
_ZN6QTable14setDragEnabledEb [qt-mt]	_ZN6QTable14setRowReadOnlyEib [qt-mt]
_ZN6QTable15clearCellWidgetEii [qt-mt]	_ZN6QTable15removeSelectionERK15QTableSelection [qt-mt]
_ZN6QTable15removeSelectionEi [qt-mt]	_ZN6QTable15restoreContentsER10QPtrVectorI10QTableItemERS0_INS_11TableWidgetEE [qt-mt]
_ZN6QTable15rowIndexChangedEiii [qt-mt]	_ZN6QTable15setColumnLabelsERK11QStringList [qt-mt]
_ZN6QTable16activateNextCellEv [qt-mt]	_ZN6QTable16rowHeightChangedEi [qt-mt]
_ZN6QTable16selectionChangedEv [qt-mt]	_ZN6QTable16setSelectionModeENS_13SelectionModeE [qt-mt]
_ZN6QTable16staticMetaObjectEv [qt-mt]	_ZN6QTable16updateColWidgetsEi [qt-mt]
_ZN6QTable16updateGeometriesEv [qt-mt]	_ZN6QTable16updateRowWidgetsEi [qt-mt]
_ZN6QTable17contentsDropEventEP10QDropEvent [qt-mt]	_ZN6QTable17ensureCellVisibleEii [qt-mt]
_ZN6QTable17repaintSelectionsEP15	_ZN6QTable17repaintSelectionsEv

QTableSelectionS1_bb [qt-mt]	[qt-mt]
_ZN6QTable17setColumnReadOnlyEib [qt-mt]	_ZN6QTable17setRowStretchableEib [qt-mt]
_ZN6QTable18columnIndexChangedEiii [qt-mt]	_ZN6QTable18columnWidthChangedEi [qt-mt]
_ZN6QTable18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN6QTable18updateHeaderStatesEv [qt-mt]
_ZN6QTable19contentsToViewport2ERK6QPoint [qt-mt]	_ZN6QTable19contentsToViewport2EiiRiS0_ [qt-mt]
_ZN6QTable19finishContentsReszeEb [qt-mt]	_ZN6QTable19setRowMovingEnabledEb [qt-mt]
_ZN6QTable19viewportResizeEventEP12QResizeEvent [qt-mt]	_ZN6QTable19viewportToContents2ERK6QPoint [qt-mt]
ZN6QTable19viewportToContents2EiiRiS0 [qt-mt]	_ZN6QTable20contextMenuRequestedEiiRK6QPoint [qt-mt]
_ZN6QTable20setColumnStretchableEib [qt-mt]	_ZN6QTable20updateGeometriesSlotEv [qt-mt]
_ZN6QTable21contentsDragMoveEventEP14QDragMoveEvent [qt-mt]	_ZN6QTable22contentsDragEnterEventEP15QDragEnterEvent [qt-mt]
_ZN6QTable22contentsDragLeaveEventEP15QDragLeaveEvent [qt-mt]	_ZN6QTable22contentsMouseMoveEventEP11QMouseEvent [qt-mt]
_ZN6QTable22setColumnMovingEnabledEb [qt-mt]	_ZN6QTable22windowActivationChangeEb [qt-mt]
_ZN6QTable23contentsMousePressEventEP11QMouseEvent [qt-mt]	_ZN6QTable23delayedUpdateGeometriesEv [qt-mt]
_ZN6QTable24contentsContextMenuEventEP17QContextMenuEvent [qt-mt]	_ZN6QTable24setCellContentFromEditorEii [qt-mt]
_ZN6QTable25contentsMousePressEventExEP11QMouseEvent [qt-mt]	_ZN6QTable25contentsMouseReleaseEventEP11QMouseEvent [qt-mt]
_ZN6QTable29contentsMouseDoubleClickEventEP11QMouseEvent [qt-mt]	_ZN6QTable29updateHeaderAndResizeContentsEP12QTableHeaderiiiRb [qt-mt]
ZN6QTable2trEPKcS1 [qt-mt]	_ZN6QTable4initEii [qt-mt]
_ZN6QTable6fixColERii [qt-mt]	_ZN6QTable6fixRowERii [qt-mt]
ZN6QTable6trUtf8EPKcS1 [qt-mt]	_ZN6QTable7clickedEiiiRK6QPoint [qt-mt]
_ZN6QTable7droppedEP10QDropEvent [qt-mt]	_ZN6QTable7endEditEiibb [qt-mt]
_ZN6QTable7fixCellERiS0_i [qt-mt]	_ZN6QTable7hideRowEi [qt-mt]
_ZN6QTable7pressedEiiiRK6QPoint [qt-mt]	_ZN6QTable7qt_castEPKc [qt-mt]

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_ZN6QTable7qt_emitEiP8QUObject [qt-mt]	_ZN6QTable7setItemEiiP10QTableItem [qt-mt]
_ZN6QTable7setTextEiiRK7QString [qt-mt]	_ZN6QTable7showRowEi [qt-mt]
_ZN6QTable8editCellEiib [qt-mt]	_ZN6QTable8swapRowsEiib [qt-mt]
_ZN6QTable8takeItemEP10QTableItem [qt-mt]	_ZN6QTable9adjustRowEi [qt-mt]
_ZN6QTable9beginEditEiib [qt-mt]	_ZN6QTable9clearCellEii [qt-mt]
_ZN6QTable9paintCellEP8QPainteriiRK5QRectb [qt-mt]	_ZN6QTable9paintCellEP8QPainteriiRK5QRectbRK11QColorGroup [qt-mt]
_ZN6QTable9qt_invokeEiP8QUObject [qt-mt]	_ZN6QTable9removeRowEi [qt-mt]
_ZN6QTable9selectRowEi [qt-mt]	_ZN6QTable9setPixmapEiiRK7QPixmap [qt-mt]
_ZN6QTable9showEventEP10QShowEvent [qt-mt]	_ZN6QTable9startDragEv [qt-mt]
_ZN6QTable9swapCellsEiiii [qt-mt]	_ZN6QTableC1EP7QWidgetPKc [qt-mt]
_ZN6QTableC1EiiP7QWidgetPKc [qt-mt]	_ZN6QTableC2EP7QWidgetPKc [qt-mt]
_ZN6QTableC2EiiP7QWidgetPKc [qt-mt]	_ZN6QTableD0Ev [qt-mt]
_ZN6QTableD1Ev [qt-mt]	_ZN6QTableD2Ev [qt-mt]
_ZN6QTimer10singleShotEiP7QObjectPKc [qt-mt]	_ZN6QTimer11qt_propertyEiiP8QVariant [qt-mt]
_ZN6QTimer14changeIntervalEi [qt-mt]	_ZN6QTimer16staticMetaObjectEv [qt-mt]
_ZN6QTimer18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN6QTimer2trEPKcS1_ [qt-mt]
_ZN6QTimer4stopEv [qt-mt]	_ZN6QTimer5eventEP6QEvent [qt-mt]
_ZN6QTimer5startEib [qt-mt]	_ZN6QTimer6trUtf8EPKcS1_ [qt-mt]
_ZN6QTimer7qt_castEPKc [qt-mt]	_ZN6QTimer7qt_emitEiP8QUObject [qt-mt]
_ZN6QTimer7timeoutEv [qt-mt]	_ZN6QTimer9qt_invokeEiP8QUObject [qt-mt]
_ZN6QTimerC1EP7QObjectPKc [qt-mt]	_ZN6QTimerC2EP7QObjectPKc [qt-mt]
_ZN6QTimerD0Ev [qt-mt]	_ZN6QTimerD1Ev [qt-mt]
_ZN6QTimerD2Ev [qt-mt]	_ZN7QAction10removeFromEP7QW

	idget [qt-mt]
_ZN7QAction10setEnabledEb [qt-mt]	_ZN7QAction10setIconSetERK8QIconSet [qt-mt]
_ZN7QAction10setToolTipERK7QString [qt-mt]	_ZN7QAction10setVisibleEb [qt-mt]
_ZN7QAction11qt_propertyEiiP8QVariant [qt-mt]	_ZN7QAction11setDisabledEb [qt-mt]
_ZN7QAction11setMenuTextERK7QString [qt-mt]	_ZN7QAction12setStatusTipERK7QString [qt-mt]
_ZN7QAction12setWhatsThisERK7QString [qt-mt]	_ZN7QAction14menuStatusTextEi [qt-mt]
_ZN7QAction14showStatusTextERK7QString [qt-mt]	_ZN7QAction15clearStatusTextEv [qt-mt]
_ZN7QAction15objectDestroyedEv [qt-mt]	_ZN7QAction15setToggleActionEb [qt-mt]
_ZN7QAction16staticMetaObjectEv [qt-mt]	_ZN7QAction17toolButtonToggledEb [qt-mt]
_ZN7QAction18internalActivationEv [qt-mt]	_ZN7QAction18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
ZN7QAction2trEPKcS1 [qt-mt]	_ZN7QAction4initEv [qt-mt]
_ZN7QAction5addToEP7QWidget [qt-mt]	_ZN7QAction5setOnEb [qt-mt]
_ZN7QAction6toggleEv [qt-mt]	_ZN7QAction6trUtf8EPKcS1_ [qt-mt]
ZN7QAction7addedToEP7QWidgetS1 [qt-mt]	_ZN7QAction7addedToEiP10QPopupMenu [qt-mt]
_ZN7QAction7qt_castEPKc [qt-mt]	_ZN7QAction7qt_emitEiP8QUObject [qt-mt]
_ZN7QAction7setTextERK7QString [qt-mt]	_ZN7QAction7toggledEb [qt-mt]
_ZN7QAction8activateEv [qt-mt]	_ZN7QAction8setAccelERK12QKeySequence [qt-mt]
_ZN7QAction9activatedEv [qt-mt]	_ZN7QAction9qt_invokeEiP8QUObject [qt-mt]
_ZN7QActionC1EP7QObjectPKc [qt-mt]	_ZN7QActionC1EP7QObjectPKcb [qt-mt]
_ZN7QActionC1ERK7QString12QKeySequenceP7QObjectPKc [qt-mt]	_ZN7QActionC1ERK7QStringRK8QIconSetS2_12QKeySequenceP7QObjectPKcb [qt-mt]
_ZN7QActionC1ERK7QStringS2_12QKeySequenceP7QObjectPKcb [qt-mt]	_ZN7QActionC1ERK8QIconSetRK7QString12QKeySequenceP7QObjectPKc [qt-mt]

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_ZN7QActionC2EP7QObjectPKc [qt-mt]	_ZN7QActionC2EP7QObjectPKcb [qt-mt]
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_ZN7QActionC2ERK7QStringS2_12QKeySequenceP7QObjectPKcb [qt-mt]	_ZN7QActionC2ERK8QIconSetRK7QString12QKeySequenceP7QObjectPKc [qt-mt]
_ZN7QActionD0Ev [qt-mt]	_ZN7QActionD1Ev [qt-mt]
_ZN7QActionD2Ev [qt-mt]	_ZN7QBitmapC1ERK5QSizePKhb [qt-mt]
_ZN7QBitmapC1ERK5QSizebN7QPixmap12OptimizationE [qt-mt]	_ZN7QBitmapC1ERK7QStringPKc [qt-mt]
ZN7QBitmapC1ERKS [qt-mt]	_ZN7QBitmapC1EiiPKhb [qt-mt]
_ZN7QBitmapC1EiibN7QPixmap12OptimizationE [qt-mt]	_ZN7QBitmapC1Ev [qt-mt]
_ZN7QBitmapC2ERK5QSizePKhb [qt-mt]	_ZN7QBitmapC2ERK5QSizebN7QPixmap12OptimizationE [qt-mt]
_ZN7QBitmapC2ERK7QStringPKc [qt-mt]	_ZN7QBitmapC2ERKS_ [qt-mt]
_ZN7QBitmapC2EiiPKhb [qt-mt]	_ZN7QBitmapC2EiibN7QPixmap12OptimizationE [qt-mt]
_ZN7QBitmapC2Ev [qt-mt]	_ZN7QBitmapaSERK6QImage [qt-mt]
_ZN7QBitmapaSERK7QPixmap [qt-mt]	_ZN7QBitmapaSERKS_ [qt-mt]
_ZN7QBuffer10writeBlockEPKcm [qt-mt]	_ZN7QBuffer2atEm [qt-mt]
_ZN7QBuffer4openEi [qt-mt]	_ZN7QBuffer5closeEv [qt-mt]
_ZN7QBuffer5flushEv [qt-mt]	_ZN7QBuffer5getchEv [qt-mt]
_ZN7QBuffer5putchEi [qt-mt]	_ZN7QBuffer7ungetchEi [qt-mt]
_ZN7QBuffer8readLineEPcm [qt-mt]	_ZN7QBuffer9readBlockEPcm [qt-mt]
_ZN7QBuffer9setBufferE9QMemArrayIcE [qt-mt]	_ZN7QBufferC1E9QMemArrayIcE [qt-mt]
_ZN7QBufferC1Ev [qt-mt]	_ZN7QBufferC2E9QMemArrayIcE [qt-mt]
_ZN7QBufferC2Ev [qt-mt]	_ZN7QBufferD0Ev [qt-mt]
_ZN7QBufferD1Ev [qt-mt]	_ZN7QBufferD2Ev [qt-mt]
_ZN7QButton10drawButtonEP8QPainter [qt-mt]	_ZN7QButton10ensureDataEv [qt-mt]

_ZN7QButton10paintEventEP11QPaintEvent [qt-mt]	_ZN7QButton11qt_propertyEiiP8QVariant [qt-mt]
_ZN7QButton12animateClickEv [qt-mt]	_ZN7QButton12emulateClickEv [qt-mt]
_ZN7QButton12focusInEventEP11QFocusEvent [qt-mt]	_ZN7QButton12stateChangedEi [qt-mt]
_ZN7QButton13enabledChangeEb [qt-mt]	_ZN7QButton13focusOutEventEP11QFocusEvent [qt-mt]
_ZN7QButton13keyPressEventEP9QKeyEvent [qt-mt]	_ZN7QButton13setAutoRepeatEb [qt-mt]
_ZN7QButton13setAutoResizeEb [qt-mt]	_ZN7QButton13setToggleTypeENS_10ToggleTypeE [qt-mt]
_ZN7QButton14animateTimeoutEv [qt-mt]	_ZN7QButton14mouseMoveEventEP11QMouseEvent [qt-mt]
_ZN7QButton15drawButtonLabelEP8QPainter [qt-mt]	_ZN7QButton15keyReleaseEventEP9QKeyEvent [qt-mt]
_ZN7QButton15mousePressEventEP11QMouseEvent [qt-mt]	_ZN7QButton16staticMetaObjectEv [qt-mt]
_ZN7QButton17autoRepeatTimeoutEv [qt-mt]	_ZN7QButton17mouseReleaseEventEP11QMouseEvent [qt-mt]
_ZN7QButton18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN7QButton2trEPKcS1_ [qt-mt]
_ZN7QButton5timerEv [qt-mt]	_ZN7QButton6toggleEv [qt-mt]
ZN7QButton6trUtf8EPKcS1 [qt-mt]	_ZN7QButton7clickedEv [qt-mt]
_ZN7QButton7pressedEv [qt-mt]	_ZN7QButton7qt_castEPKc [qt-mt]
_ZN7QButton7qt_emitEiP8QUObject [qt-mt]	_ZN7QButton7setDownEb [qt-mt]
_ZN7QButton7setTextERK7QString [qt-mt]	_ZN7QButton7toggledEb [qt-mt]
_ZN7QButton8releasedEv [qt-mt]	_ZN7QButton8setAccelERK12QKeySequence [qt-mt]
_ZN7QButton8setGroupEP12QButtonGroup [qt-mt]	_ZN7QButton8setStateENS_11ToggleStateE [qt-mt]
_ZN7QButton9nextStateEv [qt-mt]	_ZN7QButton9qt_invokeEiP8QUObject [qt-mt]
_ZN7QButton9setPixmapERK7QPixmap [qt-mt]	_ZN7QButtonC1EP7QWidgetPKcj [qt-mt]
_ZN7QButtonC2EP7QWidgetPKcj [qt-mt]	_ZN7QButtonD0Ev [qt-mt]
_ZN7QButtonD1Ev [qt-mt]	_ZN7QButtonD2Ev [qt-mt]

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_ZN7QCanvas10removeItemEP11QCanvasItem [qt-mt]	_ZN7QCanvas10removeViewEP11QCanvasView [qt-mt]
_ZN7QCanvas10setChangedERK5QRect [qt-mt]	_ZN7QCanvas11drawChangesERK5QRect [qt-mt]
_ZN7QCanvas11qt_propertyEiiP8QVariant [qt-mt]	_ZN7QCanvas12addAnimationEP11QCanvasItem [qt-mt]
_ZN7QCanvas12changeBoundsERK5QRect [qt-mt]	_ZN7QCanvas12drawViewAreaEP11QCanvasViewP8QPainterRK5QRectb [qt-mt]
_ZN7QCanvas12setUnchangedERK5QRect [qt-mt]	_ZN7QCanvas13setAllChangedEv [qt-mt]
_ZN7QCanvas14addItemToChunkEP11QCanvasItemii [qt-mt]	_ZN7QCanvas14drawBackgroundER8QPainterRK5QRect [qt-mt]
_ZN7QCanvas14drawCanvasAreaERK5QRectP8QPainterb [qt-mt]	_ZN7QCanvas14drawForegroundER8QPainterRK5QRect [qt-mt]
_ZN7QCanvas15removeAnimationEP11QCanvasItem [qt-mt]	_ZN7QCanvas15setChangedChunkEii [qt-mt]
_ZN7QCanvas15setUpdatePeriodEi [qt-mt]	_ZN7QCanvas16setAdvancePeriodEi [qt-mt]
_ZN7QCanvas16staticMetaObjectEv [qt-mt]	_ZN7QCanvas18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
_ZN7QCanvas18setBackgroundColorERK6QColor [qt-mt]	_ZN7QCanvas18setDoubleBufferingEb [qt-mt]
_ZN7QCanvas19removeItemFromChunkEP11QCanvasItemii [qt-mt]	_ZN7QCanvas19setBackgroundPixmapERK7QPixmap [qt-mt]
_ZN7QCanvas24addItemToChunkContainingEP11QCanvasItemii [qt-mt]	_ZN7QCanvas25setChangedChunkContainingEii [qt-mt]
_ZN7QCanvas29removeItemFromChunkContainingEP11QCanvasItemii [qt-mt]	_ZN7QCanvas2trEPKcS1_ [qt-mt]
_ZN7QCanvas4initEiiii [qt-mt]	_ZN7QCanvas6resizeEii [qt-mt]
_ZN7QCanvas6retuneEii [qt-mt]	_ZN7QCanvas6trUtf8EPKcS1_ [qt-mt]
_ZN7QCanvas6updateEv [qt-mt]	_ZN7QCanvas7addItemEP11QCanvasItem [qt-mt]
_ZN7QCanvas7addViewEP11QCanvasView [qt-mt]	_ZN7QCanvas7advanceEv [qt-mt]
_ZN7QCanvas7qt_castEPKc [qt-mt]	_ZN7QCanvas7qt_emitEiP8QUObject [qt-mt]
_ZN7QCanvas7resizedEv [qt-mt]	_ZN7QCanvas7setTileEiii [qt-mt]
_ZN7QCanvas8allItemsEv [qt-mt]	_ZN7QCanvas8drawAreaERK5QRectP8QPainterb [qt-mt]

_ZN7QCanvas8setTilesE7QPixmapiiii [qt-mt]	_ZN7QCanvas9qt_invokeEiP8QUObject [qt-mt]
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_ZN7QCanvasC1Eii [qt-mt]	_ZN7QCanvasC2E7QPixmapiiii [qt-mt]
_ZN7QCanvasC2EP7QObjectPKc [qt-mt]	_ZN7QCanvasC2Eii [qt-mt]
_ZN7QCanvasD0Ev [qt-mt]	_ZN7QCanvasD1Ev [qt-mt]
_ZN7QCanvasD2Ev [qt-mt]	_ZN7QCursor10initializeEv [qt-mt]
_ZN7QCursor3posEv [qt-mt]	_ZN7QCursor6setPosEii [qt-mt]
_ZN7QCursor7cleanupEv [qt-mt]	_ZN7QCursor8find_curEi [qt-mt]
_ZN7QCursor8setShapeEi [qt-mt]	_ZN7QCursor9setBitmapERK7QBitmapS2_ii [qt-mt]
_ZN7QCursor9x11ScreenEv [qt-mt]	_ZN7QCursorC1ERK7QBitmapS2_ii [qt-mt]
_ZN7QCursorC1ERK7QPixmapii [qt-mt]	_ZN7QCursorC1ERKS_ [qt-mt]
_ZN7QCursorC1Ei [qt-mt]	_ZN7QCursorC1Em [qt-mt]
_ZN7QCursorC1Ev [qt-mt]	_ZN7QCursorC2ERK7QBitmapS2_ii [qt-mt]
_ZN7QCursorC2ERK7QPixmapii [qt-mt]	_ZN7QCursorC2ERKS_ [qt-mt]
_ZN7QCursorC2Ei [qt-mt]	_ZN7QCursorC2Em [qt-mt]
_ZN7QCursorC2Ev [qt-mt]	_ZN7QCursorD1Ev [qt-mt]
_ZN7QCursorD2Ev [qt-mt]	_ZN7QCursoraSERKS_ [qt-mt]
_ZN7QDialog10closeEventEP11QCloseEvent [qt-mt]	_ZN7QDialog10setDefaultEP11QPushButton [qt-mt]
_ZN7QDialog11eventFilterEP7QObjectP6QEvent [qt-mt]	_ZN7QDialog11hideDefaultEv [qt-mt]
_ZN7QDialog11qt_propertyEiiP8QVariant [qt-mt]	_ZN7QDialog11resizeEventEP12QResizeEvent [qt-mt]
_ZN7QDialog11setGeometryERK5QRect [qt-mt]	_ZN7QDialog11setGeometryEiiii [qt-mt]
_ZN7QDialog12setExtensionEP7QWidget [qt-mt]	_ZN7QDialog13keyPressEventEP9QKeyEvent [qt-mt]
_ZN7QDialog13showExtensionEb [qt-mt]	_ZN7QDialog14adjustPositionEP7QWidget [qt-mt]
_ZN7QDialog14setMainDefaultEP11QPushButton [qt-mt]	_ZN7QDialog14setOrientationEN2Qt11OrientationE [qt-mt]

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_ZN7QDialog16contextMenuEventEP17QContextMenuEvent [qt-mt]	_ZN7QDialog16staticMetaObjectEv [qt-mt]
_ZN7QDialog18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN7QDialog18setSizeGripEnabledEb [qt-mt]
_ZN7QDialog22adjustPositionInternalEP7QWidgetb [qt-mt]	_ZN7QDialog2trEPKcS1_ [qt-mt]
_ZN7QDialog4doneEi [qt-mt]	_ZN7QDialog4execEv [qt-mt]
_ZN7QDialog4hideEv [qt-mt]	_ZN7QDialog4moveERK6QPoint [qt-mt]
_ZN7QDialog4moveEii [qt-mt]	_ZN7QDialog4showEv [qt-mt]
_ZN7QDialog6acceptEv [qt-mt]	_ZN7QDialog6rejectEv [qt-mt]
_ZN7QDialog6resizeERK5QSize [qt-mt]	_ZN7QDialog6resizeEii [qt-mt]
ZN7QDialog6trUtf8EPKcS1 [qt-mt]	_ZN7QDialog7qt_castEPKc [qt-mt]
_ZN7QDialog7qt_emitEiP8QUObject [qt-mt]	_ZN7QDialog8setModalEb [qt-mt]
_ZN7QDialog9qt_invokeEiP8QUObject [qt-mt]	_ZN7QDialogC1EP7QWidgetPKcbj [qt-mt]
_ZN7QDialogC2EP7QWidgetPKcbj [qt-mt]	_ZN7QDialogD0Ev [qt-mt]
_ZN7QDialogD1Ev [qt-mt]	_ZN7QDialogD2Ev [qt-mt]
_ZN7QGArray10deleteDataEPNS_10array_dataE [qt-mt]	_ZN7QGArray10setRawDataEPKcj [qt-mt]
_ZN7QGArray12resetRawDataEPKcj [qt-mt]	_ZN7QGArray4fillEPKcij [qt-mt]
_ZN7QGArray4sortEj [qt-mt]	_ZN7QGArray5storeEPKcj [qt-mt]
_ZN7QGArray6assignEPKcj [qt-mt]	_ZN7QGArray6assignERKS_ [qt-mt]
_ZN7QGArray6resizeEj [qt-mt]	_ZN7QGArray6resizeEjNS_12OptimizationE [qt-mt]
_ZN7QGArray7newDataEv [qt-mt]	_ZN7QGArray9duplicateEPKcj [qt-mt]
ZN7QGArray9duplicateERKS [qt-mt]	_ZN7QGArray9msg_indexEj [qt-mt]
_ZN7QGArray9setExpandEjPKcj [qt-mt]	_ZN7QGArrayC1ERKS_ [qt-mt]
_ZN7QGArrayC1Ei [qt-mt]	_ZN7QGArrayC1Eii [qt-mt]
_ZN7QGArrayC1Ev [qt-mt]	_ZN7QGArrayC2ERKS_ [qt-mt]
_ZN7QGArrayC2Ei [qt-mt]	_ZN7QGArrayC2Eii [qt-mt]
_ZN7QGArrayC2Ev [qt-mt]	_ZN7QGArrayD0Ev [qt-mt]

_ZN7QGArrayD1Ev [qt-mt]	_ZN7QGArrayD2Ev [qt-mt]
_ZN7QGCache10setMaxCostEi [qt-mt]	_ZN7QGCache10take_otherEPKc [qt-mt]
_ZN7QGCache11makeRoomForEii [qt-mt]	_ZN7QGCache11take_stringERK7QString [qt-mt]
_ZN7QGCache12insert_otherEPKcPvii [qt-mt]	_ZN7QGCache12remove_otherEPKc [qt-mt]
_ZN7QGCache13insert_stringERK7QStringPvii [qt-mt]	_ZN7QGCache13remove_stringERK7QString [qt-mt]
_ZN7QGCache5clearEv [qt-mt]	_ZN7QGCacheC1ERKS_ [qt-mt]
_ZN7QGCacheC1EijNS_7KeyTypeEbb [qt-mt]	_ZN7QGCacheC2ERKS_ [qt-mt]
_ZN7QGCacheC2EijNS_7KeyTypeEbb [qt-mt]	_ZN7QGCacheD0Ev [qt-mt]
_ZN7QGCacheD1Ev [qt-mt]	_ZN7QGCacheD2Ev [qt-mt]
ZN7QGCacheaSERKS [qt-mt]	_ZN7QHeader10fontChangeERK5QFont [qt-mt]
_ZN7QHeader10paintEventEP11QPaintEvent [qt-mt]	_ZN7QHeader10sizeChangeEiii [qt-mt]
_ZN7QHeader10unMarkLineEi [qt-mt]	_ZN7QHeader11indexChangeEiii [qt-mt]
_ZN7QHeader11moveSectionEii [qt-mt]	_ZN7QHeader11qt_propertyEiiP8QVariant [qt-mt]
_ZN7QHeader11removeLabelEi [qt-mt]	_ZN7QHeader11resizeEventEP12QResizeEvent [qt-mt]
_ZN7QHeader11setCellSizeEii [qt-mt]	_ZN7QHeader12paintSectionEP8QPainteriRK5QRect [qt-mt]
_ZN7QHeader12resizeArraysEi [qt-mt]	_ZN7QHeader13keyPressEventEP9QKeyEvent [qt-mt]
_ZN7QHeader13resizeSectionEii [qt-mt]	_ZN7QHeader14mouseMoveEventEP11QMouseEvent [qt-mt]
_ZN7QHeader14sectionClickedEi [qt-mt]	_ZN7QHeader14setOrientationEN2Qt11OrientationE [qt-mt]
_ZN7QHeader15keyReleaseEventEP9QKeyEvent [qt-mt]	_ZN7QHeader15mousePressEventEP11QMouseEvent [qt-mt]
_ZN7QHeader15setClickEnabledEbi [qt-mt]	_ZN7QHeader16adjustHeaderSizeEi [qt-mt]
_ZN7QHeader16handleColumnMoveEii [qt-mt]	_ZN7QHeader16setMovingEnabledEb [qt-mt]
_ZN7QHeader16setResizeEnabledEbi [qt-mt]	_ZN7QHeader16setSortIndicatorEib [qt-mt]

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_ZN7QHeader16staticMetaObjectEv [qt-mt]	_ZN7QHeader17mouseReleaseEvent EP11QMouseEvent [qt-mt]
_ZN7QHeader17paintSectionLabelE P8QPainteriRK5QRect [qt-mt]	_ZN7QHeader17setIsATableHeader Eb [qt-mt]
_ZN7QHeader17setStretchEnabledE bi [qt-mt]	_ZN7QHeader17setUpdatesEnabled Eb [qt-mt]
_ZN7QHeader18calculatePositionsEb i [qt-mt]	_ZN7QHeader18handleColumnResiz eEiibb [qt-mt]
_ZN7QHeader18qt_static_propertyE P7QObjectiiP8QVariant [qt-mt]	_ZN7QHeader21mouseDoubleClick EventEP11QMouseEvent [qt-mt]
_ZN7QHeader23setSectionSizeAndH eightEii [qt-mt]	_ZN7QHeader26sectionHandleDoub leClickedEi [qt-mt]
ZN7QHeader2trEPKcS1 [qt-mt]	_ZN7QHeader4initEi [qt-mt]
_ZN7QHeader5movedEii [qt-mt]	_ZN7QHeader5sRectEi [qt-mt]
ZN7QHeader6trUtf8EPKcS1 [qt-mt]	_ZN7QHeader7clickedEi [qt-mt]
_ZN7QHeader7pressedEi [qt-mt]	_ZN7QHeader7qt_castEPKc [qt-mt]
_ZN7QHeader7qt_emitEiP8QUObjec t [qt-mt]	_ZN7QHeader8addLabelERK7QStrin gi [qt-mt]
_ZN7QHeader8addLabelERK8QIcon SetRK7QStringi [qt-mt]	_ZN7QHeader8findLineEi [qt-mt]
_ZN7QHeader8handleAtEi [qt-mt]	_ZN7QHeader8markLineEi [qt-mt]
_ZN7QHeader8moveCellEii [qt-mt]	_ZN7QHeader8releasedEi [qt-mt]
_ZN7QHeader8setLabelEiRK7QStrin gi [qt-mt]	_ZN7QHeader8setLabelEiRK8QIcon SetRK7QStringi [qt-mt]
_ZN7QHeader9paintRectEii [qt-mt]	_ZN7QHeader9qt_invokeEiP8QUObj ect [qt-mt]
_ZN7QHeader9setOffsetEi [qt-mt]	_ZN7QHeader9showEventEP10QSh owEvent [qt-mt]
_ZN7QHeaderC1EP7QWidgetPKc [qt-mt]	_ZN7QHeaderC1EiP7QWidgetPKc [qt-mt]
_ZN7QHeaderC2EP7QWidgetPKc [qt-mt]	_ZN7QHeaderC2EiP7QWidgetPKc [qt-mt]
_ZN7QHeaderD0Ev [qt-mt]	_ZN7QHeaderD1Ev [qt-mt]
_ZN7QHeaderD2Ev [qt-mt]	_ZN7QLayout10childEventEP11QCh ildEvent [qt-mt]
_ZN7QLayout10invalidateEv [qt-mt]	_ZN7QLayout10mainWidgetEv [qt-mt]
_ZN7QLayout10removeItemEP11QL ayoutItem [qt-mt]	_ZN7QLayout10setAutoAddEb [qt-mt]
_ZN7QLayout10setEnabledEb [qt-	_ZN7QLayout10setMenuBarEP8QM

mt]	enuBar [qt-mt]
_ZN7QLayout10setSpacingEi [qt-mt]	_ZN7QLayout11eventFilterEP7QObjectP6QEvent [qt-mt]
_ZN7QLayout11qt_propertyEiiP8QVariant [qt-mt]	_ZN7QLayout11setGeometryERK5QRect [qt-mt]
_ZN7QLayout13setResizeModeENS_10ResizeModeE [qt-mt]	_ZN7QLayout14addChildLayoutEPS_ [qt-mt]
_ZN7QLayout14deleteAllItemsEv [qt-mt]	_ZN7QLayout15setWidgetLayoutEP7QWidgetPS_ [qt-mt]
ZN7QLayout16propagateSpacingEPS [qt-mt]	_ZN7QLayout16staticMetaObjectEv [qt-mt]
_ZN7QLayout17setSupportsMarginEb [qt-mt]	_ZN7QLayout18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
ZN7QLayout2trEPKcS1 [qt-mt]	_ZN7QLayout4initEv [qt-mt]
_ZN7QLayout6freezeEii [qt-mt]	_ZN7QLayout6layoutEv [qt-mt]
_ZN7QLayout6removeEP7QWidget [qt-mt]	_ZN7QLayout6trUtf8EPKcS1_ [qt-mt]
_ZN7QLayout7qt_castEPKc [qt-mt]	_ZN7QLayout7qt_emitEiP8QUObject [qt-mt]
_ZN7QLayout8activateEv [qt-mt]	_ZN7QLayout9qt_invokeEiP8QUObject [qt-mt]
_ZN7QLayout9setMarginEi [qt-mt]	_ZN7QLayoutC1EP7QWidgetiiPKc [qt-mt]
_ZN7QLayoutC1EPS_iPKc [qt-mt]	_ZN7QLayoutC1EiPKc [qt-mt]
_ZN7QLayoutC2EP7QWidgetiiPKc [qt-mt]	_ZN7QLayoutC2EPS_iPKc [qt-mt]
_ZN7QLayoutC2EiPKc [qt-mt]	_ZN7QLayoutD0Ev [qt-mt]
_ZN7QLayoutD1Ev [qt-mt]	_ZN7QLayoutD2Ev [qt-mt]
ZN7QLocale10setDefaultERKS [qt-mt]	_ZN7QLocale15countryToStringENS_7CountryE [qt-mt]
_ZN7QLocale16languageToStringENS_8LanguageE [qt-mt]	_ZN7QLocale6systemEv [qt-mt]
_ZN7QLocaleC1ENS_8LanguageENS_7CountryE [qt-mt]	_ZN7QLocaleC1ERK7QString [qt-mt]
ZN7QLocaleC1ERKS [qt-mt]	_ZN7QLocaleC1Ev [qt-mt]
_ZN7QLocaleC2ENS_8LanguageENS_7CountryE [qt-mt]	_ZN7QLocaleC2ERK7QString [qt-mt]
ZN7QLocaleC2ERKS [qt-mt]	_ZN7QLocaleC2Ev [qt-mt]
ZN7QLocaleaSERKS [qt-mt]	_ZN7QObject10childEventEP11QChildEvent [qt-mt]

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_ZN7QObject10disconnectEPKS_PKcS1_S3_ [qt-mt]	_ZN7QObject10killTimersEv [qt-mt]
_ZN7QObject10startTimerEi [qt-mt]	_ZN7QObject10timerEventEP11QTimerEvent [qt-mt]
_ZN7QObject11customEventEP12QCustomEvent [qt-mt]	_ZN7QObject11deleteLaterEv [qt-mt]
_ZN7QObject11eventFilterEPS_P6QEvent [qt-mt]	_ZN7QObject11insertChildEPS_ [qt-mt]
_ZN7QObject11objectTreesEv [qt-mt]	_ZN7QObject11qt_propertyEiiP8QVariant [qt-mt]
ZN7QObject11removeChildEPS [qt-mt]	_ZN7QObject11setPropertyEPKcRK8QVariant [qt-mt]
_ZN7QObject11setUserDataEjP15QObjectUserData [qt-mt]	_ZN7QObject12blockSignalsEb [qt-mt]
_ZN7QObject13connectNotifyEPKc [qt-mt]	_ZN7QObject14dumpObjectInfoEv [qt-mt]
_ZN7QObject14dumpObjectTreeEv [qt-mt]	_ZN7QObject15activate_signalEP15QConnectionListP8QUObject [qt-mt]
_ZN7QObject15activate_signalEi [qt-mt]	_ZN7QObject15activate_signalEi7QString [qt-mt]
_ZN7QObject15activate_signalEid [qt-mt]	_ZN7QObject15activate_signalEii [qt-mt]
_ZN7QObject15connectInternalEPKS_iS1_ii [qt-mt]	_ZN7QObject16activate_filtersEP6QEvent [qt-mt]
_ZN7QObject16checkConnectArgsEPKcPKS_S1_ [qt-mt]	_ZN7QObject16disconnectNotifyEPKc [qt-mt]
_ZN7QObject16registerUserDataEv [qt-mt]	_ZN7QObject16staticMetaObjectEv [qt-mt]
ZN7QObject17removeEventFilterEPKS [qt-mt]	_ZN7QObject18cleanupEventFilterEPS_ [qt-mt]
_ZN7QObject18disconnectInternalEPKS_iS1_ii [qt-mt]	_ZN7QObject18installEventFilterEPKS_ [qt-mt]
_ZN7QObject18qt_static_propertyEPS_iiP8QVariant [qt-mt]	_ZN7QObject18staticQtMetaObjectEv [qt-mt]
_ZN7QObject19normalizeSignalSlotEPKc [qt-mt]	_ZN7QObject20activate_signal_boolEib [qt-mt]
ZN7QObject2trEPKcS1 [qt-mt]	_ZN7QObject5childEPKcS1_b [qt-mt]
_ZN7QObject5eventEP6QEvent [qt-mt]	_ZN7QObject6senderEv [qt-mt]
ZN7QObject6trUtf8EPKcS1 [qt-mt]	_ZN7QObject7connectEPKS_PKcS1_S3_ [qt-mt]
_ZN7QObject7qt_castEPKc [qt-mt]	_ZN7QObject7qt_emitEiP8QUObject

	[qt-mt]
_ZN7QObject7setNameEPKc [qt-mt]	_ZN7QObject9destroyedEPS_ [qt-mt]
_ZN7QObject9destroyedEv [qt-mt]	_ZN7QObject9killTimerEi [qt-mt]
_ZN7QObject9qt_invokeEiP8QUObject [qt-mt]	_ZN7QObjectC1EPS_PKc [qt-mt]
_ZN7QObjectC2EPS_PKc [qt-mt]	_ZN7QObjectD0Ev [qt-mt]
_ZN7QObjectD1Ev [qt-mt]	_ZN7QObjectD2Ev [qt-mt]
_ZN7QPixmap10grabWidgetEP7QWidgetiiii [qt-mt]	_ZN7QPixmap10grabWindowEmiiii [qt-mt]
_ZN7QPixmap10trueMatrixERK8QWMatrixii [qt-mt]	_ZN7QPixmap11imageFormatERK7QString [qt-mt]
_ZN7QPixmap12defaultDepthEv [qt-mt]	_ZN7QPixmap12loadFromDataEPKhjPKcNS_9ColorModeE [qt-mt]
_ZN7QPixmap12loadFromDataEPKhjPKci [qt-mt]	_ZN7QPixmap12loadFromDataERK9QMemArrayIcEPKci [qt-mt]
_ZN7QPixmap12x11SetScreenEi [qt-mt]	_ZN7QPixmap14fromMimeSourceERK7QString [qt-mt]
_ZN7QPixmap15setOptimizationENS_12OptimizationE [qt-mt]	_ZN7QPixmap16convertFromImageERK6QImageNS_9ColorModeE [qt-mt]
_ZN7QPixmap16convertFromImageERK6QImagei [qt-mt]	_ZN7QPixmap19defaultOptimizationEv [qt-mt]
_ZN7QPixmap19x11SetDefaultScreenEi [qt-mt]	_ZN7QPixmap22setDefaultOptimizationENS_12OptimizationE [qt-mt]
_ZN7QPixmap4fillEPK7QWidgetii [qt-mt]	_ZN7QPixmap4fillERK6QColor [qt-mt]
_ZN7QPixmap4initEiiibNS_12OptimizationE [qt-mt]	_ZN7QPixmap4loadERK7QStringPKcNS_9ColorModeE [qt-mt]
_ZN7QPixmap4loadERK7QStringPKci [qt-mt]	_ZN7QPixmap5derefEv [qt-mt]
_ZN7QPixmap6detachEv [qt-mt]	_ZN7QPixmap6resizeEii [qt-mt]
_ZN7QPixmap7setMaskERK7QBitmap [qt-mt]	_ZN7QPixmapC1EPPKc [qt-mt]
_ZN7QPixmapC1ERK5QSizeiNS_12OptimizationE [qt-mt]	_ZN7QPixmapC1ERK6QImage [qt-mt]
_ZN7QPixmapC1ERK7QStringPKcNS_9ColorModeE [qt-mt]	_ZN7QPixmapC1ERK7QStringPKci [qt-mt]
_ZN7QPixmapC1ERK9QMemArrayIcE [qt-mt]	_ZN7QPixmapC1ERKS_ [qt-mt]
_ZN7QPixmapC1EiiPKhb [qt-mt]	_ZN7QPixmapC1EiiiNS_12OptimizationE [qt-mt]

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_ZN7QPixmapC1EiiibNS_12OptimizationE [qt-mt]	_ZN7QPixmapC1Ev [qt-mt]
_ZN7QPixmapC2EPPKc [qt-mt]	_ZN7QPixmapC2ERK5QSizeiNS_12OptimizationE [qt-mt]
_ZN7QPixmapC2ERK6QImage [qt-mt]	_ZN7QPixmapC2ERK7QStringPKcNS_9ColorModeE [qt-mt]
_ZN7QPixmapC2ERK7QStringPKci [qt-mt]	_ZN7QPixmapC2ERK9QMemArrayIcE [qt-mt]
ZN7QPixmapC2ERKS [qt-mt]	_ZN7QPixmapC2EiiPKhb [qt-mt]
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_ZN7QPixmapC2Ev [qt-mt]	_ZN7QPixmapD0Ev [qt-mt]
_ZN7QPixmapD1Ev [qt-mt]	_ZN7QPixmapD2Ev [qt-mt]
_ZN7QPixmapaSERK6QImage [qt-mt]	_ZN7QPixmapaSERKS_ [qt-mt]
_ZN7QRegExp10caretIndexEiNS_9CaretModeE [qt-mt]	_ZN7QRegExp10setMinimalEb [qt-mt]
_ZN7QRegExp10setPatternERK7QString [qt-mt]	_ZN7QRegExp11errorStringEv [qt-mt]
_ZN7QRegExp11setWildcardEb [qt-mt]	_ZN7QRegExp13capturedTextsEv [qt-mt]
_ZN7QRegExp16invalidateEngineEv [qt-mt]	_ZN7QRegExp16setCaseSensitiveEb [qt-mt]
_ZN7QRegExp3capEi [qt-mt]	_ZN7QRegExp3posEi [qt-mt]
_ZN7QRegExp6escapeERK7QString [qt-mt]	_ZN7QRegExpC1ERK7QStringbb [qt-mt]
ZN7QRegExpC1ERKS [qt-mt]	_ZN7QRegExpC1Ev [qt-mt]
_ZN7QRegExpC2ERK7QStringbb [qt-mt]	_ZN7QRegExpC2ERKS_ [qt-mt]
_ZN7QRegExpC2Ev [qt-mt]	_ZN7QRegExpD1Ev [qt-mt]
_ZN7QRegExpD2Ev [qt-mt]	_ZN7QRegExpaSERKS_ [qt-mt]
_ZN7QRegion4execERK9QMemArrayIcEi [qt-mt]	_ZN7QRegion6detachEv [qt-mt]
_ZN7QRegion8setRectsEPK5QRecti [qt-mt]	_ZN7QRegion9translateEii [qt-mt]
_ZN7QRegionC1ERK11QPointArrayb [qt-mt]	_ZN7QRegionC1ERK5QRectNS_10RegionTypeE [qt-mt]
_ZN7QRegionC1ERK7QBitmap [qt-mt]	_ZN7QRegionC1ERKS_ [qt-mt]
_ZN7QRegionC1Eb [qt-mt]	_ZN7QRegionC1EiiiiNS_10RegionTypeE [qt-mt]

_ZN7QRegionC1Ev [qt-mt]	_ZN7QRegionC2ERK11QPointArrayb [qt-mt]
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_ZN7QSignal10disconnectEPK7QObjectPKc [qt-mt]	_ZN7QSignal11qt_propertyEiiP8QVariant [qt-mt]
_ZN7QSignal12setParameterEi [qt-mt]	_ZN7QSignal16staticMetaObjectEv [qt-mt]
_ZN7QSignal18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN7QSignal2trEPKcS1_ [qt-mt]
_ZN7QSignal6signalERK8QVariant [qt-mt]	_ZN7QSignal6trUtf8EPKcS1_ [qt-mt]
_ZN7QSignal7connectEPK7QObjectPKc [qt-mt]	_ZN7QSignal7qt_castEPKc [qt-mt]
_ZN7QSignal7qt_emitEiP8QUObject [qt-mt]	_ZN7QSignal8activateEv [qt-mt]
_ZN7QSignal8setValueERK8QVariant [qt-mt]	_ZN7QSignal9intSignalEi [qt-mt]
_ZN7QSignal9qt_invokeEiP8QUObject [qt-mt]	_ZN7QSignalC1EP7QObjectPKc [qt-mt]
_ZN7QSignalC2EP7QObjectPKc [qt-mt]	_ZN7QSignalD0Ev [qt-mt]
_ZN7QSignalD1Ev [qt-mt]	_ZN7QSignalD2Ev [qt-mt]
_ZN7QSlider10moveSliderEi [qt-mt]	_ZN7QSlider10paintEventEP11QPaintEvent [qt-mt]
_ZN7QSlider10resetStateEv [qt-mt]	_ZN7QSlider10setPaletteERK8QPalette [qt-mt]
_ZN7QSlider10wheelEventEP11QWheelEvent [qt-mt]	_ZN7QSlider11qt_propertyEiiP8QVariant [qt-mt]
_ZN7QSlider11rangeChangeEv [qt-mt]	_ZN7QSlider11resizeEventEP12QResizeEvent [qt-mt]
_ZN7QSlider11setLineStepEi [qt-mt]	_ZN7QSlider11setMaxValueEi [qt-mt]
_ZN7QSlider11setMinValueEi [qt-	_ZN7QSlider11setPageStepEi [qt-mt]

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mt]	
_ZN7QSlider11setTrackingEb [qt-mt]	_ZN7QSlider11sliderMovedEi [qt-mt]
_ZN7QSlider11styleChangeER6QStyle [qt-mt]	_ZN7QSlider11valueChangeEv [qt-mt]
_ZN7QSlider12focusInEventEP11QFocusEvent [qt-mt]	_ZN7QSlider12setTickmarksENS_11TickSettingE [qt-mt]
_ZN7QSlider12subtractLineEv [qt-mt]	_ZN7QSlider12subtractStepEv [qt-mt]
_ZN7QSlider12valueChangedEi [qt-mt]	_ZN7QSlider13focusOutEventEP11QFocusEvent [qt-mt]
_ZN7QSlider13keyPressEventEP9QKeyEvent [qt-mt]	_ZN7QSlider13repeatTimeoutEv [qt-mt]
_ZN7QSlider13setSizePolicyE11QSizePolicy [qt-mt]	_ZN7QSlider13sliderPressedEv [qt-mt]
_ZN7QSlider14mouseMoveEventEP11QMouseEvent [qt-mt]	_ZN7QSlider14setOrientationEN2Qt11OrientationE [qt-mt]
_ZN7QSlider14sliderReleasedEv [qt-mt]	_ZN7QSlider15mousePressEventEP11QMouseEvent [qt-mt]
_ZN7QSlider15setTickIntervalEi [qt-mt]	_ZN7QSlider16reallyMoveSliderEi [qt-mt]
_ZN7QSlider16staticMetaObjectEv [qt-mt]	_ZN7QSlider17mouseReleaseEventEP11QMouseEvent [qt-mt]
_ZN7QSlider18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN7QSlider2trEPKcS1_ [qt-mt]
_ZN7QSlider4initEv [qt-mt]	_ZN7QSlider6trUtf8EPKcS1_ [qt-mt]
_ZN7QSlider7addLineEv [qt-mt]	_ZN7QSlider7addStepEv [qt-mt]
_ZN7QSlider7qt_castEPKc [qt-mt]	_ZN7QSlider7qt_emitEiP8QUObject [qt-mt]
_ZN7QSlider8setValueEi [qt-mt]	_ZN7QSlider9initTicksEv [qt-mt]
_ZN7QSlider9qt_invokeEiP8QUObject [qt-mt]	_ZN7QSliderC1EN2Qt11OrientationEP7QWidgetPKc [qt-mt]
_ZN7QSliderC1EP7QWidgetPKc [qt-mt]	_ZN7QSliderC1EiiiiN2Qt11OrientationEP7QWidgetPKc [qt-mt]
_ZN7QSliderC2EN2Qt11OrientationEP7QWidgetPKc [qt-mt]	_ZN7QSliderC2EP7QWidgetPKc [qt-mt]
_ZN7QSliderC2EiiiiN2Qt11OrientationEP7QWidgetPKc [qt-mt]	_ZN7QSliderD0Ev [qt-mt]
_ZN7QSliderD1Ev [qt-mt]	_ZN7QSliderD2Ev [qt-mt]
_ZN7QSocket10writeBlockEPKcm [qt-mt]	_ZN7QSocket11qt_propertyEiiP8QVariant [qt-mt]

_ZN7QSocket12bytesWrittenEi [qt-mt]	_ZN7QSocket12socketDeviceEv [qt-mt]
_ZN7QSocket13connectToHostERK7QStringt [qt-mt]	_ZN7QSocket13tryConnectingEv [qt-mt]
_ZN7QSocket13tryConnectionEv [qt-mt]	_ZN7QSocket15consumeWriteBufEm [qt-mt]
_ZN7QSocket15setSocketDeviceEP13QSocketDevice [qt-mt]	_ZN7QSocket15setSocketInternEi [qt-mt]
_ZN7QSocket16clearPendingDataEv [qt-mt]	_ZN7QSocket16connectionClosedEv [qt-mt]
_ZN7QSocket16staticMetaObjectEv [qt-mt]	_ZN7QSocket17setReadBufferSizeEm [qt-mt]
_ZN7QSocket18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN7QSocket20delayedCloseFinishedEv [qt-mt]
_ZN7QSocket26emitErrorConnectionRefusedEv [qt-mt]	_ZN7QSocket2atEm [qt-mt]
ZN7QSocket2trEPKcS1 [qt-mt]	_ZN7QSocket4openEi [qt-mt]
_ZN7QSocket5closeEv [qt-mt]	_ZN7QSocket5errorEi [qt-mt]
_ZN7QSocket5flushEv [qt-mt]	_ZN7QSocket5getchEv [qt-mt]
_ZN7QSocket5putchEi [qt-mt]	_ZN7QSocket6trUtf8EPKcS1_ [qt-mt]
_ZN7QSocket7qt_castEPKc [qt-mt]	_ZN7QSocket7qt_emitEiP8QUObject [qt-mt]
_ZN7QSocket7sn_readEb [qt-mt]	_ZN7QSocket7ungetchEi [qt-mt]
_ZN7QSocket8readLineEPcm [qt-mt]	_ZN7QSocket8readLineEv [qt-mt]
_ZN7QSocket8sn_writeEv [qt-mt]	_ZN7QSocket9connectedEv [qt-mt]
_ZN7QSocket9hostFoundEv [qt-mt]	_ZN7QSocket9qt_invokeEiP8QUObject [qt-mt]
_ZN7QSocket9readBlockEPcm [qt-mt]	_ZN7QSocket9readyReadEv [qt-mt]
_ZN7QSocket9setSocketEi [qt-mt]	_ZN7QSocketC1EP7QObjectPKc [qt-mt]
_ZN7QSocketC2EP7QObjectPKc [qt-mt]	_ZN7QSocketD0Ev [qt-mt]
_ZN7QSocketD1Ev [qt-mt]	_ZN7QSocketD2Ev [qt-mt]
_ZN7QString10fromLatin1EPKci [qt-mt]	_ZN7QString10setUnicodeEPK5QCharj [qt-mt]
_ZN7QString11real_detachEv [qt-mt]	_ZN7QString12insertHelperEjPKcj [qt-mt]
_ZN7QString13fromLocal8BitEPKci [qt-mt]	_ZN7QString14makeSharedNullEv [qt-mt]

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_ZN7QString15latin1ToUnicodeEPKcPjj [qt-mt]	_ZN7QString15latin1ToUnicodeERK9QMemArrayIcEPj [qt-mt]
_ZN7QString15setUnicodeCodesEPKtj [qt-mt]	_ZN7QString15unicodeToLatin1EPK5QCharj [qt-mt]
_ZN7QString20operatorPlusEqHelperEPKcj [qt-mt]	_ZN7QString4fillE5QChari [qt-mt]
_ZN7QString4growEj [qt-mt]	_ZN7QString5derefEv [qt-mt]
_ZN7QString5subatEj [qt-mt]	_ZN7QString6insertEj5QChar [qt-mt]
_ZN7QString6insertEjPK5QCharj [qt-mt]	_ZN7QString6insertEjRKS_ [qt-mt]
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_ZN7QString6numberEji [qt-mt]	_ZN7QString6numberEli [qt-mt]
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_ZN7QString6setNumExi [qt-mt]	_ZN7QString6setNumEyi [qt-mt]
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ZN7QString7replaceE5QCharRKS [qt-mt]	_ZN7QString7replaceE5QCharRKS_b [qt-mt]
ZN7QString7replaceE5QCharS0 [qt-mt]	_ZN7QString7replaceERK7QRegExpRKS_ [qt-mt]
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ZN7QString7replaceEjjRKS [qt-mt]	_ZN7QString7reserveEj [qt-mt]
_ZN7QString7sprintfEPKcz [qt-mt]	_ZN7QString7squeezeEv [qt-mt]
_ZN7QString8fromUcs2EPKt [qt-mt]	_ZN7QString8fromUtf8EPKci [qt-mt]
_ZN7QString8setAsciiEPKci [qt-mt]	_ZN7QString8truncateEj [qt-mt]
_ZN7QString9fromAsciiEPKci [qt-mt]	_ZN7QString9setExpandEj5QChar [qt-mt]
_ZN7QString9setLatin1EPKci [qt-mt]	_ZN7QString9setLengthEj [qt-mt]
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_ZN7QStringC2ERK9QMemArrayIcE [qt-mt]	_ZN7QStringC2ERKS_ [qt-mt]
_ZN7QStringC2ERKSs [qt-mt]	_ZN7QStringC2Eib [qt-mt]
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_ZN7QStringpLEPKc [qt-mt]	_ZN7QStringpLERKS_ [qt-mt]
_ZN7QStringpLEc [qt-mt]	_ZN7QTabBar10fontChangeERK5QFont [qt-mt]
_ZN7QTabBar10layoutTabsEv [qt-mt]	_ZN7QTabBar10paintEventEP11QPaintEvent [qt-mt]
_ZN7QTabBar10scrollTabsEv [qt-mt]	_ZN7QTabBar10setToolTipEiRK7QString [qt-mt]
_ZN7QTabBar11makeVisibleEP4QTab [qt-mt]	_ZN7QTabBar11qt_propertyEiiP8QVariant [qt-mt]
_ZN7QTabBar11resizeEventEP12QResizeEvent [qt-mt]	_ZN7QTabBar11styleChangeER6QStyle [qt-mt]
_ZN7QTabBar12focusInEventEP11QFocusEvent [qt-mt]	_ZN7QTabBar13focusOutEventEP11QFocusEvent [qt-mt]
_ZN7QTabBar13keyPressEventEP9QKeyEvent [qt-mt]	_ZN7QTabBar13layoutChangedEv [qt-mt]
_ZN7QTabBar13removeToolTipEi [qt-mt]	_ZN7QTabBar13setCurrentTabEP4QTab [qt-mt]
_ZN7QTabBar13setCurrentTabEi [qt-mt]	_ZN7QTabBar13setTabEnabledEib [qt-mt]
_ZN7QTabBar14mouseMoveEventEP11QMouseEvent [qt-mt]	_ZN7QTabBar15mousePressEventEP11QMouseEvent [qt-mt]
_ZN7QTabBar16staticMetaObjectEv [qt-mt]	_ZN7QTabBar17mouseReleaseEventEP11QMouseEvent [qt-mt]
_ZN7QTabBar18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN7QTabBar18updateArrowButtonsEv [qt-mt]
ZN7QTabBar2trEPKcS1 [qt-mt]	_ZN7QTabBar4showEv [qt-mt]
_ZN7QTabBar5eventEP6QEvent [qt-mt]	_ZN7QTabBar6addTabEP4QTab [qt-mt]
ZN7QTabBar6trUtf8EPKcS1 [qt-mt]	_ZN7QTabBar7qt_castEPKc [qt-mt]

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_ZN7QTabBar7qt_emitEiP8QUObject [qt-mt]	_ZN7QTabBar7tabListEv [qt-mt]
_ZN7QTabBar8selectedEi [qt-mt]	_ZN7QTabBar8setShapeENS_5ShapeE [qt-mt]
_ZN7QTabBar9insertTabEP4QTabi [qt-mt]	_ZN7QTabBar9qt_invokeEiP8QUObject [qt-mt]
_ZN7QTabBar9removeTabEP4QTab [qt-mt]	_ZN7QTabBarC1EP7QWidgetPKc [qt-mt]
_ZN7QTabBarC2EP7QWidgetPKc [qt-mt]	_ZN7QTabBarD0Ev [qt-mt]
_ZN7QTabBarD1Ev [qt-mt]	_ZN7QTabBarD2Ev [qt-mt]
_ZN7QThread10initializeEv [qt-mt]	_ZN7QThread13currentThreadEv [qt-mt]
_ZN7QThread4exitEv [qt-mt]	_ZN7QThread4waitEm [qt-mt]
_ZN7QThread5sleepEm [qt-mt]	_ZN7QThread5startENS_8PriorityE [qt-mt]
_ZN7QThread5startEv [qt-mt]	_ZN7QThread6msleepEm [qt-mt]
_ZN7QThread6usleepEm [qt-mt]	_ZN7QThread7cleanupEv [qt-mt]
_ZN7QThread9postEventEP7QObjectP6QEvent [qt-mt]	_ZN7QThread9terminateEv [qt-mt]
_ZN7QThreadC1Ej [qt-mt]	_ZN7QThreadC1Ev [qt-mt]
_ZN7QThreadC2Ej [qt-mt]	_ZN7QThreadC2Ev [qt-mt]
_ZN7QThreadD0Ev [qt-mt]	_ZN7QThreadD1Ev [qt-mt]
_ZN7QThreadD2Ev [qt-mt]	_ZN7QWidget10adjustSizeEv [qt-mt]
_ZN7QWidget10clearFocusEv [qt-mt]	_ZN7QWidget10closeEventEP11QCloseEvent [qt-mt]
_ZN7QWidget10enterEventEP6QEvent [qt-mt]	_ZN7QWidget10fontChangeERK5QFont [qt-mt]
_ZN7QWidget10hideWindowEv [qt-mt]	_ZN7QWidget10imEndEventEP8QIMEvent [qt-mt]
_ZN7QWidget10leaveEventEP6QEvent [qt-mt]	_ZN7QWidget10paintEventEP11QPaintEvent [qt-mt]
_ZN7QWidget10setCaptionERK7QString [qt-mt]	_ZN7QWidget10setEnabledEb [qt-mt]
_ZN7QWidget10setFontSysEP5QFont [qt-mt]	_ZN7QWidget10setPaletteERK8QPalette [qt-mt]
_ZN7QWidget10showNormalEv [qt-mt]	_ZN7QWidget10showWindowEv [qt-mt]
ZN7QWidget10stackUnderEPS [qt-mt]	_ZN7QWidget10updateMaskEv [qt-mt]

_ZN7QWidget10wheelEventEP11QWheelEvent [qt-mt]	_ZN7QWidget11createExtraEv [qt-mt]
_ZN7QWidget11deleteExtraEv [qt-mt]	_ZN7QWidget11qt_propertyEiiP8QVariant [qt-mt]
_ZN7QWidget11reparentSysEPS_jRK6QPointb [qt-mt]	_ZN7QWidget11resizeEventEP12QResizeEvent [qt-mt]
_ZN7QWidget11setAutoMaskEb [qt-mt]	_ZN7QWidget11setBaseSizeEii [qt-mt]
_ZN7QWidget11setDisabledEb [qt-mt]	_ZN7QWidget11setGeometryEiiii [qt-mt]
_ZN7QWidget11setIconTextERK7QString [qt-mt]	_ZN7QWidget11setTabOrderEPS_S0_ [qt-mt]
_ZN7QWidget11styleChangeER6QStyle [qt-mt]	_ZN7QWidget11tabletEventEP12QTabletEvent [qt-mt]
_ZN7QWidget11unsetCursorEv [qt-mt]	_ZN7QWidget12createMapperEv [qt-mt]
_ZN7QWidget12focusInEventEP11QFocusEvent [qt-mt]	_ZN7QWidget12grabKeyboardEv [qt-mt]
_ZN7QWidget12hideChildrenEb [qt-mt]	_ZN7QWidget12imStartEventEP8QIMEvent [qt-mt]
_ZN7QWidget12mouseGrabberEv [qt-mt]	_ZN7QWidget12releaseMouseEv [qt-mt]
_ZN7QWidget12setFixedSizeERK5QSize [qt-mt]	_ZN7QWidget12setFixedSizeEii [qt-mt]
_ZN7QWidget12showChildrenEb [qt-mt]	_ZN7QWidget12unsetPaletteEv [qt-mt]
_ZN7QWidget13createTLExtraEv [qt-mt]	_ZN7QWidget13destroyMapperEv [qt-mt]
_ZN7QWidget13dragMoveEventEP14QDragMoveEvent [qt-mt]	_ZN7QWidget13enabledChangeEb [qt-mt]
_ZN7QWidget13focusOutEventEP11QFocusEvent [qt-mt]	_ZN7QWidget13keyPressEventEP9QKeyEvent [qt-mt]
_ZN7QWidget13paletteChangeERK8QPalette [qt-mt]	_ZN7QWidget13setEraseColorERK6QColor [qt-mt]
_ZN7QWidget13setFixedWidthEi [qt-mt]	_ZN7QWidget13setFocusProxyEPS_ [qt-mt]
_ZN7QWidget13setSizePolicyE11QSizePolicy [qt-mt]	_ZN7QWidget13showMaximizedEv [qt-mt]
_ZN7QWidget13showMinimizedEv [qt-mt]	_ZN7QWidget14createSysExtraEv [qt-mt]
_ZN7QWidget14deleteSysExtraEv [qt-mt]	_ZN7QWidget14dragEnterEventEP15QDragEnterEvent [qt-mt]

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_ZN7QWidget14dragLeaveEventEP15QDragLeaveEvent [qt-mt]	_ZN7QWidget14imComposeEventEP8QIMEvent [qt-mt]
_ZN7QWidget14mouseMoveEventEP11QMouseEvent [qt-mt]	_ZN7QWidget14setAcceptDropsEb [qt-mt]
_ZN7QWidget14setErasePixmapERK7QPixmap [qt-mt]	_ZN7QWidget14setFixedHeightEi [qt-mt]
_ZN7QWidget14setFocusPolicyENS_11FocusPolicyE [qt-mt]	_ZN7QWidget14setMaximumSizeEii [qt-mt]
_ZN7QWidget14setMinimumSizeEii [qt-mt]	_ZN7QWidget14setWindowStateEj [qt-mt]
_ZN7QWidget14showFullScreenEv [qt-mt]	_ZN7QWidget14updateGeometryEv [qt-mt]
_ZN7QWidget15keyReleaseEventEP9QKeyEvent [qt-mt]	_ZN7QWidget15keyboardGrabberEv [qt-mt]
_ZN7QWidget15mousePressEventEP11QMouseEvent [qt-mt]	_ZN7QWidget15releaseKeyboardEv [qt-mt]
_ZN7QWidget15setActiveWindowEv [qt-mt]	_ZN7QWidget15setMaximumWidthEi [qt-mt]
_ZN7QWidget15setMinimumWidthEi [qt-mt]	_ZN7QWidget16checkChildrenDndEv [qt-mt]
_ZN7QWidget16contextMenuEventEP17QContextMenuEvent [qt-mt]	_ZN7QWidget16createTLSysExtraEv [qt-mt]
_ZN7QWidget16deleteTLSysExtraEv [qt-mt]	_ZN7QWidget16setMaximumHeightEi [qt-mt]
_ZN7QWidget16setMinimumHeightEi [qt-mt]	_ZN7QWidget16setMouseTrackingEb [qt-mt]
_ZN7QWidget16setSizeIncrementEii [qt-mt]	_ZN7QWidget16setWindowOpacityEd [qt-mt]
_ZN7QWidget16staticMetaObjectEv [qt-mt]	_ZN7QWidget17focusInputContextEv [qt-mt]
_ZN7QWidget17mouseReleaseEventEP11QMouseEvent [qt-mt]	_ZN7QWidget17resetInputContextEv [qt-mt]
_ZN7QWidget17setBackgroundModeEN2Qt14BackgroundModeE [qt-mt]	_ZN7QWidget17setBackgroundModeEN2Qt14BackgroundModeES1_ [qt-mt]
_ZN7QWidget17setKeyCompressionEb [qt-mt]	_ZN7QWidget17setMicroFocusHintEiiiibP5QFont [qt-mt]
_ZN7QWidget17setUpdatesEnabledEb [qt-mt]	_ZN7QWidget18createInputContextEv [qt-mt]
_ZN7QWidget18focusNextPrevChildEb [qt-mt]	_ZN7QWidget18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
_ZN7QWidget18setBackgroundColo	_ZN7QWidget18setBackgroundEmpt

rERK6QColor [qt-mt]	yEv [qt-mt]
_ZN7QWidget19destroyInputContextEv [qt-mt]	_ZN7QWidget19focusProxyDestroyedEv [qt-mt]
_ZN7QWidget19internalSetGeometryEiiiib [qt-mt]	_ZN7QWidget19setBackgroundOriginENS_16BackgroundOriginE [qt-mt]
_ZN7QWidget19setBackgroundPixmapERK7QPixmap [qt-mt]	_ZN7QWidget20reparentFocusWidgetsEPS_ [qt-mt]
_ZN7QWidget21mouseDoubleClickEventEP11QMouseEvent [qt-mt]	_ZN7QWidget21setBackgroundFromModeEv [qt-mt]
_ZN7QWidget21setInputMethodEnabledEb [qt-mt]	_ZN7QWidget22windowActivationChangeEb [qt-mt]
_ZN7QWidget23deactivateWidgetCleanupEv [qt-mt]	_ZN7QWidget23setBackgroundModeDirectEN2Qt14BackgroundModeE [qt-mt]
_ZN7QWidget24setBackgroundColorDirectERK6QColor [qt-mt]	_ZN7QWidget24setBackgroundX11RelativeEv [qt-mt]
_ZN7QWidget25setBackgroundPixmapDirectERK7QPixmap [qt-mt]	_ZN7QWidget25setPaletteBackgroundColorERK6QColor [qt-mt]
_ZN7QWidget25setPaletteForegroundColorERK6QColor [qt-mt]	_ZN7QWidget26setPaletteBackgroundPixmapERK7QPixmap [qt-mt]
ZN7QWidget2trEPKcS1 [qt-mt]	_ZN7QWidget4findEm [qt-mt]
_ZN7QWidget4hideEv [qt-mt]	_ZN7QWidget4moveEii [qt-mt]
_ZN7QWidget4showEv [qt-mt]	_ZN7QWidget5closeEb [qt-mt]
_ZN7QWidget5eraseERK7QRegion [qt-mt]	_ZN7QWidget5eraseEiiii [qt-mt]
_ZN7QWidget5eventEP6QEvent [qt-mt]	_ZN7QWidget5lowerEv [qt-mt]
_ZN7QWidget5raiseEv [qt-mt]	_ZN7QWidget5wListEv [qt-mt]
_ZN7QWidget6createEmbb [qt-mt]	_ZN7QWidget6polishEv [qt-mt]
_ZN7QWidget6resizeEii [qt-mt]	_ZN7QWidget6scrollEii [qt-mt]
_ZN7QWidget6scrollEiiRK5QRect [qt-mt]	_ZN7QWidget6trUtf8EPKcS1_ [qt-mt]
_ZN7QWidget6updateEiiii [qt-mt]	_ZN7QWidget6updateEv [qt-mt]
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_ZN7QWidget7qt_emitEiP8QUObject [qt-mt]	_ZN7QWidget7repaintERK7QRegionb [qt-mt]
_ZN7QWidget7repaintEb [qt-mt]	_ZN7QWidget7repaintEiiiib [qt-mt]
_ZN7QWidget7setFontERK5QFont [qt-mt]	_ZN7QWidget7setIconERK7QPixmap [qt-mt]
_ZN7QWidget7setMaskERK7QBitma	_ZN7QWidget7setMaskERK7QRegio

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p [qt-mt]	n [qt-mt]
_ZN7QWidget7setNameEPKc [qt-mt]	_ZN7QWidget7tlwListEv [qt-mt]
_ZN7QWidget7topDataEv [qt-mt]	_ZN7QWidget8drawTextEiiRK7QString [qt-mt]
_ZN7QWidget8reparentEPS_RK6QPointb [qt-mt]	_ZN7QWidget8reparentEPS_jRK6QPointb [qt-mt]
_ZN7QWidget8setFocusEv [qt-mt]	_ZN7QWidget8setShownEb [qt-mt]
_ZN7QWidget8setStyleEP6QStyle [qt-mt]	_ZN7QWidget8setStyleERK7QString [qt-mt]
_ZN7QWidget8setWinIdEm [qt-mt]	_ZN7QWidget8x11EventEP7_XEvent [qt-mt]
_ZN7QWidget9clearMaskEv [qt-mt]	_ZN7QWidget9dropEventEP10QDropEvent [qt-mt]
_ZN7QWidget9extraDataEv [qt-mt]	_ZN7QWidget9focusDataEb [qt-mt]
_ZN7QWidget9focusDataEv [qt-mt]	_ZN7QWidget9grabMouseERK7QCursor [qt-mt]
_ZN7QWidget9grabMouseEv [qt-mt]	_ZN7QWidget9hideEventEP10QHideEvent [qt-mt]
_ZN7QWidget9moveEventEP10QMoveEvent [qt-mt]	_ZN7QWidget9qt_invokeEiP8QUObject [qt-mt]
_ZN7QWidget9setCursorERK7QCursor [qt-mt]	_ZN7QWidget9setHiddenEb [qt-mt]
_ZN7QWidget9setLayoutEP7QLayout [qt-mt]	_ZN7QWidget9showEventEP10QShowEvent [qt-mt]
_ZN7QWidget9unsetFontEv [qt-mt]	_ZN7QWidgetC1EPS_PKcj [qt-mt]
_ZN7QWidgetC2EPS_PKcj [qt-mt]	_ZN7QWidgetD0Ev [qt-mt]
_ZN7QWidgetD1Ev [qt-mt]	_ZN7QWidgetD2Ev [qt-mt]
_ZN7QWizard10insertPageEP7QWidgetRK7QStringi [qt-mt]	_ZN7QWizard10removePageEP7QWidget [qt-mt]
_ZN7QWizard11eventFilterEP7QObjectP6QEvent [qt-mt]	_ZN7QWizard11helpClickedEv [qt-mt]
_ZN7QWizard11qt_propertyEiiP8QVariant [qt-mt]	_ZN7QWizard12setTitleFontERK5QFont [qt-mt]
_ZN7QWizard13updateButtonsEv [qt-mt]	_ZN7QWizard14layOutTitleRowEP11QHBoxLayoutRK7QString [qt-mt]
_ZN7QWizard14setAppropriateEP7QWidgetb [qt-mt]	_ZN7QWizard14setBackEnabledEP7QWidgetb [qt-mt]
_ZN7QWizard14setBackEnabledEb [qt-mt]	_ZN7QWizard14setHelpEnabledEP7QWidgetb [qt-mt]
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[qt-mt]	QWidgetb [qt-mt]
_ZN7QWizard14setNextEnabledEb [qt-mt]	_ZN7QWizard15layOutButtonRowEP11QHBoxLayout [qt-mt]
_ZN7QWizard16setFinishEnabledEP7QWidgetb [qt-mt]	_ZN7QWizard16staticMetaObjectEv [qt-mt]
_ZN7QWizard18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN7QWizard2trEPKcS1_ [qt-mt]
_ZN7QWizard4backEv [qt-mt]	_ZN7QWizard4helpEv [qt-mt]
_ZN7QWizard4nextEv [qt-mt]	_ZN7QWizard4showEv [qt-mt]
_ZN7QWizard6layOutEv [qt-mt]	_ZN7QWizard6trUtf8EPKcS1_ [qt-mt]
_ZN7QWizard7addPageEP7QWidgetRK7QString [qt-mt]	_ZN7QWizard7qt_castEPKc [qt-mt]
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_ZN7QWizard8selectedERK7QString [qt-mt]	_ZN7QWizard8setTitleEP7QWidgetRK7QString [qt-mt]
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_ZN8QAsyncIO7connectEP7QObjectPKc [qt-mt]	_ZN8QAsyncIOD0Ev [qt-mt]
_ZN8QAsyncIOD1Ev [qt-mt]	_ZN8QAsyncIOD2Ev [qt-mt]
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_ZN8QCString6setNumEl [qt-mt]	_ZN8QCString6setNumEm [qt-mt]
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_ZN8QCString7replaceERK7QRegExpPKc [qt-mt]	_ZN8QCString7replaceEcPKc [qt-mt]
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_ZN8QDomAttrD2Ev [qt-mt]	_ZN8QDomAttraSERKS_ [qt-mt]
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_ZN8QDomNode12replaceChildERKS_S1_ [qt-mt]	_ZN8QDomNode12setNodeValueERK7QString [qt-mt]
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_ZN8QGVector17warningIndexRangeEj [qt-mt]	_ZN8QGVector4fillEPvi [qt-mt]
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_ZN8QIconSet18installIconFactoryEP12QIconFactory [qt-mt]	_ZN8QIconSet5resetERK7QPixmapNS_4SizeE [qt-mt]
_ZN8QIconSet6detachEv [qt-mt]	_ZN8QIconSet8iconSizeENS_4SizeE

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_ZN8QImageIO13setParametersEPKc [qt-mt]	_ZN8QImageIO14setDescriptionERK7QString [qt-mt]
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_ZN8QListBox11setSelectedEP12QLi stBoxItemb [qt-mt]	_ZN8QListBox11setSelectedEib [qt-mt]
_ZN8QListBox12doAutoScrollEv [qt-mt]	_ZN8QListBox12focusInEventEP11Q FocusEvent [qt-mt]
_ZN8QListBox13doubleClickedEP12 QListBoxItem [qt-mt]	_ZN8QListBox13focusOutEventEP11 QFocusEvent [qt-mt]
_ZN8QListBox13insertStrListEPK8Q StrListi [qt-mt]	_ZN8QListBox13insertStrListEPPKcii [qt-mt]

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_ZN8QListBox13insertStrListERK8QStrListi [qt-mt]	_ZN8QListBox13keyPressEventEP9QKeyEvent [qt-mt]
_ZN8QListBox13returnPressedEP12QListBoxItem [qt-mt]	_ZN8QListBox13setBottomItemEi [qt-mt]
_ZN8QListBox13setColumnModeENS_10LayoutModeE [qt-mt]	_ZN8QListBox13setColumnModeEi [qt-mt]
_ZN8QListBox13triggerUpdateEb [qt-mt]	_ZN8QListBox14clearSelectionEv [qt-mt]
_ZN8QListBox14currentChangedEP12QListBoxItem [qt-mt]	_ZN8QListBox14mouseMoveEventEP11QMouseEvent [qt-mt]
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_ZN8QLocalFs14operationMkDirEP17QNetworkOperation [qt-mt]	_ZN8QLocalFs15operationRemoveEP17QNetworkOperation [qt-mt]
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_ZN8QLocalFsC2Ev [qt-mt]	_ZN8QMenuBar10fontChangeERK5QFont [qt-mt]
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_ZN8QPainter11drawPictureEiiRK8QPicture [qt-mt]	_ZN8QPainter11drawPolygonERK11QPointArraybii [qt-mt]
_ZN8QPainter11setClipRectERK5QRectNS_14CoordinateModeE [qt-mt]	_ZN8QPainter11setClippingEb [qt-mt]
_ZN8QPainter11setRasterOpEN2Qt8RasterOpE [qt-mt]	_ZN8QPainter11setTabArrayEPi [qt-mt]
_ZN8QPainter11setTabStopsEi [qt-mt]	_ZN8QPainter11setViewportEiiii [qt-mt]
_ZN8QPainter11updateBrushEv [qt-mt]	_ZN8QPainter11updateXFormEv [qt-mt]
_ZN8QPainter12boundingRectERK5QRectiRK7QStringiPP10QTextParag [qt-mt]	_ZN8QPainter12drawPolylineERK11QPointArrayii [qt-mt]
_ZN8QPainter12drawTextItemEiiRK	_ZN8QPainter12fix_neg_rectEPiS0_S

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9QTextItemi [qt-mt]	0_S0_ [qt-mt]
_ZN8QPainter12setViewXFormEb [qt-mt]	_ZN8QPainter13drawRoundRectEiiiiii [qt-mt]
_ZN8QPainter13setClipRegionERK7QRegionNS_14CoordinateModeE [qt-mt]	_ZN8QPainter13setWorldXFormEb [qt-mt]
_ZN8QPainter14setBrushOriginEii [qt-mt]	_ZN8QPainter14setWorldMatrixERK8QWMatrixb [qt-mt]
_ZN8QPainter14updateInvXFormEv [qt-mt]	_ZN8QPainter15drawCubicBezierERK11QPointArrayi [qt-mt]
_ZN8QPainter15drawTiledPixmapEiiiiRK7QPixmapii [qt-mt]	_ZN8QPainter15saveWorldMatrixEv [qt-mt]
_ZN8QPainter16drawLineSegmentsERK11QPointArrayii [qt-mt]	_ZN8QPainter16drawPolyInternalERK11QPointArrayb [qt-mt]
_ZN8QPainter16drawWinFocusRectEiiii [qt-mt]	_ZN8QPainter16drawWinFocusRectEiiiiRK6QColor [qt-mt]
_ZN8QPainter16drawWinFocusRectEiiiibRK6QColor [qt-mt]	_ZN8QPainter17drawConvexPolygonERK11QPointArrayii [qt-mt]
_ZN8QPainter17setBackgroundModeEN2Qt6BGModeE [qt-mt]	_ZN8QPainter18restoreWorldMatrixEv [qt-mt]
_ZN8QPainter18setBackgroundColorERK6QColor [qt-mt]	_ZN8QPainter3endEv [qt-mt]
_ZN8QPainter4initEv [qt-mt]	_ZN8QPainter4saveEv [qt-mt]
_ZN8QPainter4setfEjb [qt-mt]	_ZN8QPainter5beginEPK12QPaintDevicePK7QWidgetb [qt-mt]
_ZN8QPainter5beginEPK12QPaintDeviceb [qt-mt]	_ZN8QPainter5flushERK7QRegionNS_14CoordinateModeE [qt-mt]
_ZN8QPainter5flushEv [qt-mt]	_ZN8QPainter5scaleEdd [qt-mt]
_ZN8QPainter5shearEdd [qt-mt]	_ZN8QPainter6lineToEii [qt-mt]
_ZN8QPainter6moveToEii [qt-mt]	_ZN8QPainter6rotateEd [qt-mt]
_ZN8QPainter6setPenEN2Qt8PenStyleE [qt-mt]	_ZN8QPainter6setPenERK4QPen [qt-mt]
_ZN8QPainter6setPenERK6QColor [qt-mt]	_ZN8QPainter7cleanupEv [qt-mt]
_ZN8QPainter7destroyEv [qt-mt]	_ZN8QPainter7drawArcEiiiiii [qt-mt]
_ZN8QPainter7drawPieEiiiiii [qt-mt]	_ZN8QPainter7restoreEv [qt-mt]
_ZN8QPainter7setFontERK5QFont [qt-mt]	_ZN8QPainter8drawLineEiiii [qt-mt]
_ZN8QPainter8drawRectEiiii [qt-mt]	_ZN8QPainter8drawTextERK5QRectiRK7QStringiPS0_PP10QTextParag [qt-mt]

_ZN8QPainter8drawTextEiiRK7QStringiNS_13TextDirectionE [qt-mt]	_ZN8QPainter8drawTextEiiRK7QStringiiNS_13TextDirectionE [qt-mt]
_ZN8QPainter8fillRectEiiiiRK6QBrush [qt-mt]	_ZN8QPainter8redirectEP12QPaintDevice [qt-mt]
ZN8QPainter8redirectEP12QPaintDeviceS1 [qt-mt]	_ZN8QPainter8setBrushEN2Qt10BrushStyleE [qt-mt]
_ZN8QPainter8setBrushERK6QBrush [qt-mt]	_ZN8QPainter8setBrushERK6QColor [qt-mt]
_ZN8QPainter9drawChordEiiiiii [qt-mt]	_ZN8QPainter9drawImageERK5QRectRK6QImage [qt-mt]
_ZN8QPainter9drawImageERK6QPointRK6QImagei [qt-mt]	_ZN8QPainter9drawImageEiiRK6QImageiiiii [qt-mt]
_ZN8QPainter9drawPointEii [qt-mt]	_ZN8QPainter9setWindowEiiii [qt-mt]
_ZN8QPainter9translateEdd [qt-mt]	_ZN8QPainter9updatePenEv [qt-mt]
_ZN8QPainterC1EPK12QPaintDevicePK7QWidgetb [qt-mt]	_ZN8QPainterC1EPK12QPaintDeviceb [qt-mt]
_ZN8QPainterC1Ev [qt-mt]	_ZN8QPainterC2EPK12QPaintDevicePK7QWidgetb [qt-mt]
_ZN8QPainterC2EPK12QPaintDeviceb [qt-mt]	_ZN8QPainterC2Ev [qt-mt]
_ZN8QPainterD1Ev [qt-mt]	_ZN8QPainterD2Ev [qt-mt]
_ZN8QPalette11setDisabledERK11QColorGroup [qt-mt]	_ZN8QPalette11setInactiveERK11QColorGroup [qt-mt]
_ZN8QPalette14directSetBrushENS_10ColorGroupEN11QColorGroup9ColorRoleERK6QBrush [qt-mt]	_ZN8QPalette22backgroundRoleFromModeEN2Qt14BackgroundModeE [qt-mt]
_ZN8QPalette22foregroundRoleFromModeEN2Qt14BackgroundModeE [qt-mt]	_ZN8QPalette6detachEv [qt-mt]
ZN8QPalette8isCopyOfERKS [qt-mt]	_ZN8QPalette8setBrushEN11QColorGroup9ColorRoleERK6QBrush [qt-mt]
_ZN8QPalette8setBrushENS_10ColorGroupEN11QColorGroup9ColorRoleERK6QBrush [qt-mt]	_ZN8QPalette8setColorEN11QColorGroup9ColorRoleERK6QColor [qt-mt]
_ZN8QPalette8setColorENS_10ColorGroupEN11QColorGroup9ColorRoleERK6QColor [qt-mt]	_ZN8QPalette9setActiveERK11QColorGroup [qt-mt]
_ZN8QPaletteC1ERK11QColorGroupS2_S2_ [qt-mt]	_ZN8QPaletteC1ERK6QColor [qt-mt]
ZN8QPaletteC1ERK6QColorS2 [qt-mt]	_ZN8QPaletteC1ERKS_ [qt-mt]

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_ZN8QPaletteC1Ev [qt-mt]	_ZN8QPaletteC2ERK11QColorGroupS2_S2_ [qt-mt]
_ZN8QPaletteC2ERK6QColor [qt-mt]	_ZN8QPaletteC2ERK6QColorS2_ [qt-mt]
ZN8QPaletteC2ERKS [qt-mt]	_ZN8QPaletteC2Ev [qt-mt]
_ZN8QPaletteD1Ev [qt-mt]	_ZN8QPaletteD2Ev [qt-mt]
ZN8QPaletteaSERKS [qt-mt]	_ZN8QPicture15setBoundingRectERK5QRect [qt-mt]
_ZN8QPicture3cmdEiP8QPainterP13QPDevCmdParam [qt-mt]	_ZN8QPicture4execEP8QPainterR11QDataStreami [qt-mt]
_ZN8QPicture4loadEP9QIODevicePKc [qt-mt]	_ZN8QPicture4loadERK7QStringPKc [qt-mt]
_ZN8QPicture4playEP8QPainter [qt-mt]	_ZN8QPicture4saveEP9QIODevicePKc [qt-mt]
_ZN8QPicture4saveERK7QStringPKc [qt-mt]	_ZN8QPicture6detachEv [qt-mt]
_ZN8QPicture7setDataEPKcj [qt-mt]	_ZN8QPictureC1ERKS_ [qt-mt]
_ZN8QPictureC1Ei [qt-mt]	_ZN8QPictureC2ERKS_ [qt-mt]
_ZN8QPictureC2Ei [qt-mt]	_ZN8QPictureD0Ev [qt-mt]
_ZN8QPictureD1Ev [qt-mt]	_ZN8QPictureD2Ev [qt-mt]
ZN8QPictureaSERKS [qt-mt]	_ZN8QPrinter10setCreatorERK7QString [qt-mt]
_ZN8QPrinter10setDocNameERK7QString [qt-mt]	_ZN8QPrinter10setMarginsEjjjj [qt-mt]
_ZN8QPrinter11setFullPageEb [qt-mt]	_ZN8QPrinter11setPageSizeENS_8PageSizeE [qt-mt]
_ZN8QPrinter12setColorModeENS_9ColorModeE [qt-mt]	_ZN8QPrinter12setNumCopiesEi [qt-mt]
_ZN8QPrinter12setPageOrderENS_9PageOrderE [qt-mt]	_ZN8QPrinter13setPrintRangeENS_10PrintRangeE [qt-mt]
_ZN8QPrinter13setResolutionEi [qt-mt]	_ZN8QPrinter14setOrientationENS_11OrientationE [qt-mt]
_ZN8QPrinter14setPaperSourceENS_11PaperSourceE [qt-mt]	_ZN8QPrinter14setPrinterNameERK7QString [qt-mt]
_ZN8QPrinter15isOptionEnabledENS_13PrinterOptionE [qt-mt]	_ZN8QPrinter15setOutputToFileEb [qt-mt]
_ZN8QPrinter15setPrintProgramERK7QString [qt-mt]	_ZN8QPrinter16setCollateCopiesEb [qt-mt]
_ZN8QPrinter16setOptionEnabledENS_13PrinterOptionEb [qt-mt]	_ZN8QPrinter17setOutputFileNameERK7QString [qt-mt]
_ZN8QPrinter25setPrinterSelectionO	_ZN8QPrinter3cmdEiP8QPainterP13

ptionERK7QString [qt-mt]	QPDevCmdParam [qt-mt]
_ZN8QPrinter5abortEv [qt-mt]	_ZN8QPrinter5setupEP7QWidget [qt-mt]
_ZN8QPrinter7newPageEv [qt-mt]	_ZN8QPrinter9setFromToEii [qt-mt]
_ZN8QPrinter9setMinMaxEii [qt-mt]	_ZN8QPrinterC1ENS_11PrinterMode E [qt-mt]
_ZN8QPrinterC2ENS_11PrinterMode E [qt-mt]	_ZN8QPrinterD0Ev [qt-mt]
_ZN8QPrinterD1Ev [qt-mt]	_ZN8QPrinterD2Ev [qt-mt]
_ZN8QProcess10closeStdinEv [qt-mt]	_ZN8QProcess10flushStdinEv [qt-mt]
_ZN8QProcess10readStderrEv [qt-mt]	_ZN8QProcess10readStdoutEv [qt-mt]
_ZN8QProcess10socketReadEi [qt-mt]	_ZN8QProcess11addArgumentERK7QString [qt-mt]
_ZN8QProcess11qt_propertyEiiP8QVariant [qt-mt]	_ZN8QProcess11socketWriteEi [qt-mt]
_ZN8QProcess12membufStderrEv [qt-mt]	_ZN8QProcess12membufStdoutEv [qt-mt]
_ZN8QProcess12setArgumentsERK11QStringList [qt-mt]	_ZN8QProcess12writeToStdinERK7QString [qt-mt]
_ZN8QProcess12writeToStdinERK9QMemArrayIcE [qt-mt]	_ZN8QProcess12wroteToStdinEv [qt-mt]
_ZN8QProcess13connectNotifyEPKc [qt-mt]	_ZN8QProcess13processExitedEv [qt-mt]
_ZN8QProcess14clearArgumentsEv [qt-mt]	_ZN8QProcess14launchFinishedEv [qt-mt]
_ZN8QProcess14readLineStderrEv [qt-mt]	_ZN8QProcess14readLineStdoutEv [qt-mt]
_ZN8QProcess15readyReadStderrEv [qt-mt]	_ZN8QProcess15readyReadStdoutEv [qt-mt]
_ZN8QProcess15setNotifyOnExitEb [qt-mt]	_ZN8QProcess16closeStdinLaunchEv [qt-mt]
_ZN8QProcess16disconnectNotifyEPKc [qt-mt]	_ZN8QProcess16setCommunicationEi [qt-mt]
_ZN8QProcess16setIoRedirectionEb [qt-mt]	_ZN8QProcess16staticMetaObjectEv [qt-mt]
_ZN8QProcess17processIdentifierEv [qt-mt]	_ZN8QProcess18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
_ZN8QProcess19setWorkingDirectoryERK4QDir [qt-mt]	_ZN8QProcess22setWroteStdinConnectedEb [qt-mt]

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ZN8QProcess2trEPKcS1 [qt-mt]	_ZN8QProcess4initEv [qt-mt]
_ZN8QProcess5resetEv [qt-mt]	_ZN8QProcess5startEP11QStringList [qt-mt]
_ZN8QProcess6launchERK7QStringP11QStringList [qt-mt]	_ZN8QProcess6launchERK9QMemArrayIcEP11QStringList [qt-mt]
ZN8QProcess6trUtf8EPKcS1 [qt-mt]	_ZN8QProcess7qt_castEPKc [qt-mt]
_ZN8QProcess7qt_emitEiP8QUObject [qt-mt]	_ZN8QProcess7timeoutEv [qt-mt]
_ZN8QProcess9qt_invokeEiP8QUObject [qt-mt]	_ZN8QProcessC1EP7QObjectPKc [qt-mt]
_ZN8QProcessC1ERK11QStringListP7QObjectPKc [qt-mt]	_ZN8QProcessC1ERK7QStringP7QObjectPKc [qt-mt]
_ZN8QProcessC2EP7QObjectPKc [qt-mt]	_ZN8QProcessC2ERK11QStringListP7QObjectPKc [qt-mt]
_ZN8QProcessC2ERK7QStringP7QObjectPKc [qt-mt]	_ZN8QProcessD0Ev [qt-mt]
_ZN8QProcessD1Ev [qt-mt]	_ZN8QProcessD2Ev [qt-mt]
_ZN8QSpinBox10leaveEventEP6QEvent [qt-mt]	_ZN8QSpinBox10setEnabledEb [qt-mt]
_ZN8QSpinBox10wheelEventEP11QWheelEvent [qt-mt]	_ZN8QSpinBox11eventFilterEP7QObjectP6QEvent [qt-mt]
_ZN8QSpinBox11initSpinBoxEv [qt-mt]	_ZN8QSpinBox11qt_propertyEiiP8QVariant [qt-mt]
_ZN8QSpinBox11rangeChangeEv [qt-mt]	_ZN8QSpinBox11resizeEventEP12QResizeEvent [qt-mt]
_ZN8QSpinBox11setLineStepEi [qt-mt]	_ZN8QSpinBox11setMaxValueEi [qt-mt]
_ZN8QSpinBox11setMinValueEi [qt-mt]	_ZN8QSpinBox11setWrappingEb [qt-mt]
_ZN8QSpinBox11styleChangeER6QStyle [qt-mt]	_ZN8QSpinBox11textChangedEv [qt-mt]
_ZN8QSpinBox11valueChangeEv [qt-mt]	_ZN8QSpinBox12setValidatorEPK10QValidator [qt-mt]
_ZN8QSpinBox12valueChangedERK7QString [qt-mt]	_ZN8QSpinBox12valueChangedEi [qt-mt]
_ZN8QSpinBox13interpretTextEv [qt-mt]	_ZN8QSpinBox13updateDisplayEv [qt-mt]
_ZN8QSpinBox14arrangeWidgetsEv [qt-mt]	_ZN8QSpinBox14mapTextToValueEPb [qt-mt]
_ZN8QSpinBox14mapValueToTextEi [qt-mt]	_ZN8QSpinBox16currentValueTextEv [qt-mt]

_ZN8QSpinBox16setButtonSymbolsENS_13ButtonSymbolsE [qt-mt]	_ZN8QSpinBox16staticMetaObjectEv [qt-mt]
_ZN8QSpinBox18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN8QSpinBox19setSpecialValueTextERK7QString [qt-mt]
ZN8QSpinBox2trEPKcS1 [qt-mt]	_ZN8QSpinBox6stepUpEv [qt-mt]
ZN8QSpinBox6trUtf8EPKcS1 [qt-mt]	_ZN8QSpinBox7qt_castEPKc [qt-mt]
_ZN8QSpinBox7qt_emitEiP8QUObject [qt-mt]	_ZN8QSpinBox8setValueEi [qt-mt]
_ZN8QSpinBox8stepDownEv [qt-mt]	_ZN8QSpinBox9qt_invokeEiP8QUObject [qt-mt]
_ZN8QSpinBox9selectAllEv [qt-mt]	_ZN8QSpinBox9setPrefixERK7QString [qt-mt]
_ZN8QSpinBox9setSuffixERK7QString [qt-mt]	_ZN8QSpinBoxC1EP7QWidgetPKc [qt-mt]
_ZN8QSpinBoxC1EiiiP7QWidgetPKc [qt-mt]	_ZN8QSpinBoxC2EP7QWidgetPKc [qt-mt]
_ZN8QSpinBoxC2EiiiP7QWidgetPKc [qt-mt]	_ZN8QSpinBoxD0Ev [qt-mt]
_ZN8QSpinBoxD1Ev [qt-mt]	_ZN8QSpinBoxD2Ev [qt-mt]
_ZN8QSqlForm10readFieldsEv [qt-mt]	_ZN8QSqlForm10writeFieldEP7QWidget [qt-mt]
_ZN8QSqlForm11clearValuesEb [qt-mt]	_ZN8QSqlForm11qt_propertyEiiP8QVariant [qt-mt]
_ZN8QSqlForm11writeFieldsEv [qt-mt]	_ZN8QSqlForm16staticMetaObjectEv [qt-mt]
_ZN8QSqlForm18installPropertyMapEP15QSqlPropertyMap [qt-mt]	_ZN8QSqlForm18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
ZN8QSqlForm2trEPKcS1 [qt-mt]	_ZN8QSqlForm4syncEv [qt-mt]
_ZN8QSqlForm5clearEv [qt-mt]	_ZN8QSqlForm6insertEP7QWidgetP9QSqlField [qt-mt]
_ZN8QSqlForm6insertEP7QWidgetRK7QString [qt-mt]	_ZN8QSqlForm6removeEP7QWidget [qt-mt]
_ZN8QSqlForm6removeERK7QString [qt-mt]	_ZN8QSqlForm6trUtf8EPKcS1_ [qt-mt]
_ZN8QSqlForm7qt_castEPKc [qt-mt]	_ZN8QSqlForm7qt_emitEiP8QUObject [qt-mt]
_ZN8QSqlForm8clearMapEv [qt-mt]	_ZN8QSqlForm9qt_invokeEiP8QUObject [qt-mt]
_ZN8QSqlForm9readFieldEP7QWidget [qt-mt]	_ZN8QSqlForm9setRecordEP10QSqlRecord [qt-mt]

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_ZN8QSqlFormC1EP7QObjectPKc [qt-mt]	_ZN8QSqlFormC2EP7QObjectPKc [qt-mt]
_ZN8QSqlFormD0Ev [qt-mt]	_ZN8QSqlFormD1Ev [qt-mt]
_ZN8QSqlFormD2Ev [qt-mt]	_ZN8QToolBar11createPopupEv [qt-mt]
_ZN8QToolBar11qt_propertyEiiP8QVariant [qt-mt]	_ZN8QToolBar11resizeEventEP12QResizeEvent [qt-mt]
_ZN8QToolBar11styleChangeER6QStyle [qt-mt]	_ZN8QToolBar12addSeparatorEv [qt-mt]
_ZN8QToolBar14setMinimumSizeEii [qt-mt]	_ZN8QToolBar14setOrientationEN2Qt11OrientationE [qt-mt]
_ZN8QToolBar16staticMetaObjectEv [qt-mt]	_ZN8QToolBar17checkForExtensionERK5QSize [qt-mt]
_ZN8QToolBar18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN8QToolBar20setStretchableWidgetEP7QWidget [qt-mt]
ZN8QToolBar2trEPKcS1 [qt-mt]	_ZN8QToolBar4hideEv [qt-mt]
_ZN8QToolBar4initEv [qt-mt]	_ZN8QToolBar4showEv [qt-mt]
_ZN8QToolBar5clearEv [qt-mt]	_ZN8QToolBar5eventEP6QEvent [qt-mt]
ZN8QToolBar6trUtf8EPKcS1 [qt-mt]	_ZN8QToolBar7qt_castEPKc [qt-mt]
_ZN8QToolBar7qt_emitEiP8QUObject [qt-mt]	_ZN8QToolBar8setLabelERK7QString [qt-mt]
_ZN8QToolBar9qt_invokeEiP8QUObject [qt-mt]	_ZN8QToolBarC1EP11QMainWindowPKc [qt-mt]
_ZN8QToolBarC1ERK7QStringP11QMainWindowN2Qt4DockEbPKc [qt-mt]	_ZN8QToolBarC1ERK7QStringP11QMainWindowP7QWidgetbPKcj [qt-mt]
_ZN8QToolBarC2EP11QMainWindowPKc [qt-mt]	_ZN8QToolBarC2ERK7QStringP11QMainWindowN2Qt4DockEbPKc [qt-mt]
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_ZN8QToolBarD1Ev [qt-mt]	_ZN8QToolBarD2Ev [qt-mt]
_ZN8QToolBox10insertItemEiP7QWidgetRK8QIconSetRK7QString [qt-mt]	_ZN8QToolBox10removeItemEP7QWidget [qt-mt]
_ZN8QToolBox11itemRemovedEi [qt-mt]	_ZN8QToolBox11qt_propertyEiiP8QVariant [qt-mt]
_ZN8QToolBox11styleChangeER6QStyle [qt-mt]	_ZN8QToolBox12frameChangedEv [qt-mt]
_ZN8QToolBox12itemInsertedEi [qt-	_ZN8QToolBox12setItemLabelEiRK7

mt]	QString [qt-mt]
_ZN8QToolBox13buttonClickedEv [qt-mt]	_ZN8QToolBox13itemDestroyedEP7QObject [qt-mt]
_ZN8QToolBox14currentChangedEi [qt-mt]	_ZN8QToolBox14setCurrentItemEP7QWidget [qt-mt]
_ZN8QToolBox14setItemEnabledEib [qt-mt]	_ZN8QToolBox14setItemIconSetEiRK8QIconSet [qt-mt]
_ZN8QToolBox14setItemToolTipEiRK7QString [qt-mt]	_ZN8QToolBox15setCurrentIndexEi [qt-mt]
_ZN8QToolBox16staticMetaObjectEv [qt-mt]	_ZN8QToolBox18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
ZN8QToolBox2trEPKcS1 [qt-mt]	_ZN8QToolBox6trUtf8EPKcS1_ [qt-mt]
_ZN8QToolBox7qt_castEPKc [qt-mt]	_ZN8QToolBox7qt_emitEiP8QUObject [qt-mt]
_ZN8QToolBox8relayoutEv [qt-mt]	_ZN8QToolBox9qt_invokeEiP8QUObject [qt-mt]
_ZN8QToolBox9showEventEP10QShowEvent [qt-mt]	_ZN8QToolBoxC1EP7QWidgetPKcj [qt-mt]
_ZN8QToolBoxC2EP7QWidgetPKcj [qt-mt]	_ZN8QToolBoxD0Ev [qt-mt]
_ZN8QToolBoxD1Ev [qt-mt]	_ZN8QToolBoxD2Ev [qt-mt]
_ZN8QToolTip10setPaletteERK8QPalette [qt-mt]	_ZN8QToolTip14setWakeUpDelayEi [qt-mt]
_ZN8QToolTip17isGloballyEnabledEv [qt-mt]	_ZN8QToolTip18setGloballyEnabledEb [qt-mt]
_ZN8QToolTip3addEP7QWidgetRK5QRectRK7QString [qt-mt]	_ZN8QToolTip3addEP7QWidgetRK5QRectRK7QStringP13QToolTipGroupS7_ [qt-mt]
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_ZN8QToolTip4fontEv [qt-mt]	_ZN8QToolTip4hideEv [qt-mt]
_ZN8QToolTip5clearEv [qt-mt]	_ZN8QToolTip6removeEP7QWidget [qt-mt]
_ZN8QToolTip6removeEP7QWidgetRK5QRect [qt-mt]	_ZN8QToolTip7paletteEv [qt-mt]
_ZN8QToolTip7setFontERK5QFont	_ZN8QToolTip7textForEP7QWidget

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[qt-mt]	RK6QPoint [qt-mt]
_ZN8QToolTipC1EP7QWidgetP13QToolTipGroup [qt-mt]	_ZN8QToolTipC2EP7QWidgetP13QToolTipGroup [qt-mt]
_ZN8QUriDrag11qt_propertyEiiP8QVariant [qt-mt]	_ZN8QUriDrag12setFileNamesERK11QStringList [qt-mt]
_ZN8QUriDrag14localFileToUriERK7QString [qt-mt]	_ZN8QUriDrag14setUnicodeUrisERK11QStringList [qt-mt]
_ZN8QUriDrag14uriToLocalFileEPKc [qt-mt]	_ZN8QUriDrag15unicodeUriToUriERK7QString [qt-mt]
_ZN8QUriDrag15uriToUnicodeUriEPKc [qt-mt]	_ZN8QUriDrag16decodeLocalFilesEPK11QMimeSourceR11QStringList [qt-mt]
_ZN8QUriDrag16staticMetaObjectEv [qt-mt]	_ZN8QUriDrag18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
_ZN8QUriDrag19decodeToUnicodeUrisEPK11QMimeSourceR11QStringList [qt-mt]	_ZN8QUriDrag2trEPKcS1_ [qt-mt]
_ZN8QUriDrag6decodeEPK11QMimeSourceR8QStrList [qt-mt]	_ZN8QUriDrag6trUtf8EPKcS1_ [qt-mt]
_ZN8QUriDrag7qt_castEPKc [qt-mt]	_ZN8QUriDrag7qt_emitEiP8QUObject [qt-mt]
_ZN8QUriDrag7setUrisE8QStrList [qt-mt]	_ZN8QUriDrag9canDecodeEPK11QMimeSource [qt-mt]
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_ZN8QUriDragD1Ev [qt-mt]	_ZN8QUriDragD2Ev [qt-mt]
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_ZN8QUrlInfo11setReadableEb [qt-mt]	_ZN8QUrlInfo11setWritableEb [qt-mt]
_ZN8QUrlInfo14setPermissionsEi [qt-mt]	_ZN8QUrlInfo15setLastModifiedERK9QDateTime [qt-mt]
_ZN8QUrlInfo5equalERKS_S1_i [qt-mt]	_ZN8QUrlInfo6setDirEb [qt-mt]
_ZN8QUrlInfo7setFileEb [qt-mt]	_ZN8QUrlInfo7setNameERK7QString [qt-mt]
_ZN8QUrlInfo7setSizeEj [qt-mt]	_ZN8QUrlInfo8lessThanERKS_S1_i [qt-mt]

_ZN8QUrlInfo8setGroupERK7QString [qt-mt]	_ZN8QUrlInfo8setOwnerERK7QString [qt-mt]
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_ZN8QVariant11asULongLongEv [qt-mt]	_ZN8QVariant12asColorGroupEv [qt-mt]
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_ZN8QVariant8asCursorEv [qt-mt]	_ZN8QVariant8asDoubleEv [qt-mt]

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_ZN8QWMatrix5shearEdd [qt-mt]	_ZN8QWMatrix6rotateEd [qt-mt]
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_ZN9QCheckBox10updateMaskEv [qt-mt]	_ZN9QCheckBox11qt_propertyEiiP8QVariant [qt-mt]
_ZN9QCheckBox11resizeEventEP12QResizeEvent [qt-mt]	_ZN9QCheckBox11setNoChangeEv [qt-mt]
_ZN9QCheckBox11setTristateEb [qt-mt]	_ZN9QCheckBox15drawButtonLabelEP8QPainter [qt-mt]
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_ZN9QCheckBoxC2ERK7QStringP7QWidgetPKc [qt-mt]	_ZN9QComboBox10changeItemERK7QPixmapRK7QStringi [qt-mt]
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_ZN9QComboBox10setListBoxEP8QListBox [qt-mt]	_ZN9QComboBox10setPaletteERK8QPalette [qt-mt]
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_ZN9QComboBox11setMaxCountEi [qt-mt]	_ZN9QComboBox11styleChangeER6QStyle [qt-mt]
_ZN9QComboBox11textChangedERK7QString [qt-mt]	_ZN9QComboBox12focusInEventEP11QFocusEvent [qt-mt]
_ZN9QComboBox12setSizeLimitEi [qt-mt]	_ZN9QComboBox12setUpListBoxEv [qt-mt]
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_ZN9QComboBox13returnPressedEv [qt-mt]	_ZN9QComboBox13setAutoResizeEb [qt-mt]
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_ZN9QComboBox14currentChangedEv [qt-mt]	_ZN9QComboBox14mouseMoveEventEP11QMouseEvent [qt-mt]
_ZN9QComboBox14popDownListBoxEv [qt-mt]	_ZN9QComboBox14setCurrentItemEi [qt-mt]
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_ZN9QComboBox16insertStringListERK11QStringListi [qt-mt]	_ZN9QComboBox16internalActivateEi [qt-mt]
_ZN9QComboBox16staticMetaObjectEv [qt-mt]	_ZN9QComboBox17internalHighlightEi [qt-mt]
_ZN9QComboBox17mouseReleaseEventEP11QMouseEvent [qt-mt]	_ZN9QComboBox17setAutoCompletionEb [qt-mt]
_ZN9QComboBox18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN9QComboBox18setInsertionPolicyENS_6PolicyE [qt-mt]
_ZN9QComboBox20internalClickTimeoutEv [qt-mt]	_ZN9QComboBox20setDuplicatesEnabledEb [qt-mt]
_ZN9QComboBox21mouseDoubleClickEventEP11QMouseEvent [qt-mt]	_ZN9QComboBox2trEPKcS1_ [qt-mt]
_ZN9QComboBox4hideEv [qt-mt]	_ZN9QComboBox5clearEv [qt-mt]
_ZN9QComboBox5popupEv [qt-mt]	_ZN9QComboBox6trUtf8EPKcS1_

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_ZN9QComboBox9clearEditEv [qt-mt]	_ZN9QComboBox9qt_invokeEiP8QUObject [qt-mt]
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_ZN9QDataView7refreshEP10QSqlRecord [qt-mt]	_ZN9QDataView7setFormEP8QSqlForm [qt-mt]
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_ZN9QDateEdit11qt_propertyEiiP8QVariant [qt-mt]	_ZN9QDateEdit11resizeEventEP12QResizeEvent [qt-mt]
_ZN9QDateEdit12setSeparatorERK7QString [qt-mt]	_ZN9QDateEdit12valueChangedERK5QDate [qt-mt]
_ZN9QDateEdit13updateButtonsEv [qt-mt]	_ZN9QDateEdit14setAutoAdvanceEb [qt-mt]
_ZN9QDateEdit15setFocusSectionEi [qt-mt]	_ZN9QDateEdit16removeLastNumberEi [qt-mt]
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_ZN9QDateEdit18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN9QDateEdit20sectionFormattedTextEi [qt-mt]
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_ZN9QDateTime15currentDateTime	_ZN9QDateTime9setTime_tEj [qt-mt]

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_ZN9QFileInfo12convertToAbsEv [qt-mt]	_ZN9QFileInfo6detachEv [qt-mt]
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_ZN9QFileInfo8slashifyER7QString [qt-mt]	_ZN9QFileInfoC1ERK4QDirRK7QString [qt-mt]
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_ZN9QFileInfoC2Ev [qt-mt]	_ZN9QFileInfoD1Ev [qt-mt]
_ZN9QFileInfoD2Ev [qt-mt]	_ZN9QFileInfoaSERKS_ [qt-mt]
_ZN9QFontInfoC1EPK8QPainter [qt-mt]	_ZN9QFontInfoC1ERK5QFont [qt-mt]
_ZN9QFontInfoC1ERK5QFontNS0_6ScriptE [qt-mt]	_ZN9QFontInfoC1ERKS_ [qt-mt]
_ZN9QFontInfoC2EPK8QPainter [qt-mt]	_ZN9QFontInfoC2ERK5QFont [qt-mt]
_ZN9QFontInfoC2ERK5QFontNS0_6ScriptE [qt-mt]	_ZN9QFontInfoC2ERKS_ [qt-mt]
_ZN9QFontInfoD1Ev [qt-mt]	_ZN9QFontInfoD2Ev [qt-mt]
ZN9QFontInfoaSERKS [qt-mt]	_ZN9QGLFormat10setOverlayEb [qt-mt]
_ZN9QGLFormat10setStencilEb [qt-mt]	_ZN9QGLFormat13defaultFormatEv [qt-mt]
_ZN9QGLFormat15setDoubleBufferEb [qt-mt]	_ZN9QGLFormat16setDefaultFormatERKS_ [qt-mt]
_ZN9QGLFormat17hasOpenGLOverlaysEv [qt-mt]	_ZN9QGLFormat18setDirectRenderingEb [qt-mt]
_ZN9QGLFormat20defaultOverlayFormatEv [qt-mt]	_ZN9QGLFormat23setDefaultOverlayFormatERKS_ [qt-mt]
_ZN9QGLFormat7setRgbaEb [qt-mt]	_ZN9QGLFormat8setAccumEb [qt-mt]
_ZN9QGLFormat8setAlphaEb [qt-	_ZN9QGLFormat8setDepthEb [qt-

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_ZN9QGLFormat8setPlaneEi [qt-mt]	_ZN9QGLFormat9hasOpenGLEv [qt-mt]
_ZN9QGLFormat9setOptionEN3QGL12FormatOptionE [qt-mt]	_ZN9QGLFormat9setStereoEb [qt-mt]
_ZN9QGLFormatC1Eii [qt-mt]	_ZN9QGLFormatC1Ev [qt-mt]
_ZN9QGLFormatC2Eii [qt-mt]	_ZN9QGLFormatC2Ev [qt-mt]
_ZN9QGLWidget10paintEventEP11QPaintEvent [qt-mt]	_ZN9QGLWidget10renderCxPmEP7QPixmap [qt-mt]
_ZN9QGLWidget10renderTextEdddRK7QStringRK5QFonti [qt-mt]	_ZN9QGLWidget10renderTextEiiRK7QStringRK5QFonti [qt-mt]
_ZN9QGLWidget10setContextEP10QGLContextPKS0_b [qt-mt]	_ZN9QGLWidget11doneCurrentEv [qt-mt]
_ZN9QGLWidget11makeCurrentEv [qt-mt]	_ZN9QGLWidget11qt_propertyEiiP8QVariant [qt-mt]
_ZN9QGLWidget11resizeEventEP12QResizeEvent [qt-mt]	_ZN9QGLWidget11setColormapERK11QGLColormap [qt-mt]
_ZN9QGLWidget11swapBuffersEv [qt-mt]	_ZN9QGLWidget12initializeGLEv [qt-mt]
_ZN9QGLWidget12renderPixmapEiib [qt-mt]	_ZN9QGLWidget14paintOverlayGLEv [qt-mt]
_ZN9QGLWidget15displayListBaseERK5QFonti [qt-mt]	_ZN9QGLWidget15grabFrameBufferEb [qt-mt]
_ZN9QGLWidget15resizeOverlayGLEii [qt-mt]	_ZN9QGLWidget15updateOverlayGLEv [qt-mt]
_ZN9QGLWidget16cleanupColormapsEv [qt-mt]	_ZN9QGLWidget16setMouseTrackingEb [qt-mt]
_ZN9QGLWidget16staticMetaObjectEv [qt-mt]	_ZN9QGLWidget17convertToGLFormatERK6QImage [qt-mt]
_ZN9QGLWidget18makeOverlayCurrentEv [qt-mt]	_ZN9QGLWidget18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
_ZN9QGLWidget19initializeOverlayGLEv [qt-mt]	_ZN9QGLWidget24macInternalFixBufferRectEv [qt-mt]
ZN9QGLWidget2trEPKcS1 [qt-mt]	_ZN9QGLWidget4initEP10QGLContextPKS_ [qt-mt]
_ZN9QGLWidget6glDrawEv [qt-mt]	_ZN9QGLWidget6glInitEv [qt-mt]
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_ZN9QGLWidget7qt_castEPKc [qt-mt]	_ZN9QGLWidget7qt_emitEiP8QUObject [qt-mt]
_ZN9QGLWidget8reparentEP7QWid	_ZN9QGLWidget8resizeGLEii [qt-

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_ZN9QGLWidget8updateGLEv [qt-mt]	_ZN9QGLWidget9qt_invokeEiP8QUObject [qt-mt]
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_ZN9QGLWidgetD1Ev [qt-mt]	_ZN9QGLWidgetD2Ev [qt-mt]
_ZN9QGbkCodecC1Ev [qt-mt]	_ZN9QGbkCodecC2Ev [qt-mt]
_ZN9QGridView10setNumColsEi [qt-mt]	_ZN9QGridView10setNumRowsEi [qt-mt]
_ZN9QGridView10updateCellEii [qt-mt]	_ZN9QGridView10updateGridEv [qt-mt]
_ZN9QGridView11qt_propertyEiiP8QVariant [qt-mt]	_ZN9QGridView11repaintCellEiib [qt-mt]
_ZN9QGridView12cellGeometryEii [qt-mt]	_ZN9QGridView12drawContentsEP8QPainter [qt-mt]
_ZN9QGridView12drawContentsEP8QPainteriiii [qt-mt]	_ZN9QGridView12setCellWidthEi [qt-mt]
_ZN9QGridView13setCellHeightEi [qt-mt]	_ZN9QGridView14paintEmptyAreaEP8QPainteriiii [qt-mt]
_ZN9QGridView15dimensionChangeEii [qt-mt]	_ZN9QGridView16staticMetaObjectEv [qt-mt]
_ZN9QGridView17ensureCellVisibleEii [qt-mt]	_ZN9QGridView18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
ZN9QGridView2trEPKcS1 [qt-mt]	_ZN9QGridView6trUtf8EPKcS1_ [qt-mt]
_ZN9QGridView7qt_castEPKc [qt-mt]	_ZN9QGridView7qt_emitEiP8QUObject [qt-mt]
_ZN9QGridView9qt_invokeEiP8QUObject [qt-mt]	_ZN9QGridViewC1EP7QWidgetPKcj [qt-mt]
_ZN9QGridViewC2EP7QWidgetPKcj [qt-mt]	_ZN9QGridViewD0Ev [qt-mt]
_ZN9QGridViewD1Ev [qt-mt]	_ZN9QGridViewD2Ev [qt-mt]
_ZN9QGroupBox10childEventEP11QChildEvent [qt-mt]	_ZN9QGroupBox10fontChangeERK5QFont [qt-mt]
_ZN9QGroupBox10paintEventEP11	_ZN9QGroupBox10setCheckedEb

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QPaintEvent [qt-mt]	[qt-mt]
_ZN9QGroupBox10setColumnsEi [qt-mt]	_ZN9QGroupBox10setEnabledEb [qt-mt]
_ZN9QGroupBox11qt_propertyEiiP8QVariant [qt-mt]	_ZN9QGroupBox11resizeEventEP12QResizeEvent [qt-mt]
_ZN9QGroupBox12focusInEventEP11QFocusEvent [qt-mt]	_ZN9QGroupBox12setAlignmentEi [qt-mt]
_ZN9QGroupBox12setCheckableEb [qt-mt]	_ZN9QGroupBox13setTextSpacerEv [qt-mt]
_ZN9QGroupBox14calculateFrameEv [qt-mt]	_ZN9QGroupBox14setOrientationEN2Qt11OrientationE [qt-mt]
_ZN9QGroupBox15setColumnLayoutEiN2Qt11OrientationE [qt-mt]	_ZN9QGroupBox15setInsideMarginEi [qt-mt]
_ZN9QGroupBox16setInsideSpacingEi [qt-mt]	_ZN9QGroupBox16staticMetaObjectEv [qt-mt]
_ZN9QGroupBox18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN9QGroupBox18setChildrenEnabledEb [qt-mt]
_ZN9QGroupBox22updateCheckBoxGeometryEv [qt-mt]	_ZN9QGroupBox2trEPKcS1_ [qt-mt]
_ZN9QGroupBox4initEv [qt-mt]	_ZN9QGroupBox4skipEv [qt-mt]
_ZN9QGroupBox5eventEP6QEvent [qt-mt]	_ZN9QGroupBox6trUtf8EPKcS1_ [qt-mt]
_ZN9QGroupBox7qt_castEPKc [qt-mt]	_ZN9QGroupBox7qt_emitEiP8QUObject [qt-mt]
_ZN9QGroupBox7setFlatEb [qt-mt]	_ZN9QGroupBox7toggledEb [qt-mt]
_ZN9QGroupBox8addSpaceEi [qt-mt]	_ZN9QGroupBox8fixFocusEv [qt-mt]
_ZN9QGroupBox8setTitleERK7QString [qt-mt]	_ZN9QGroupBox9insertWidEP7QWidget [qt-mt]
_ZN9QGroupBox9qt_invokeEiP8QUObject [qt-mt]	_ZN9QGroupBoxC1EP7QWidgetPKc [qt-mt]
_ZN9QGroupBoxC1ERK7QStringP7QWidgetPKc [qt-mt]	_ZN9QGroupBoxC1EiN2Qt11OrientationEP7QWidgetPKc [qt-mt]
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_ZN9QGroupBoxD1Ev [qt-mt]	_ZN9QGroupBoxD2Ev [qt-mt]

_ZN9QIODevice10writeBlockERK9QMemArrayIcE [qt-mt]	_ZN9QIODevice2atEm [qt-mt]
_ZN9QIODevice7readAllEv [qt-mt]	_ZN9QIODevice7setModeEi [qt-mt]
_ZN9QIODevice7setTypeEi [qt-mt]	_ZN9QIODevice8readLineEPcm [qt-mt]
_ZN9QIODevice8setStateEi [qt-mt]	_ZN9QIODevice9setStatusEi [qt-mt]
_ZN9QIODeviceC1Ev [qt-mt]	_ZN9QIODeviceC2Ev [qt-mt]
_ZN9QIODeviceD0Ev [qt-mt]	_ZN9QIODeviceD1Ev [qt-mt]
_ZN9QIODeviceD2Ev [qt-mt]	_ZN9QIconDrag11qt_propertyEiiP8QVariant [qt-mt]
_ZN9QIconDrag16staticMetaObjectEv [qt-mt]	_ZN9QIconDrag18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
ZN9QIconDrag2trEPKcS1 [qt-mt]	_ZN9QIconDrag6appendERK13QIconDragItemRK5QRectS5_ [qt-mt]
ZN9QIconDrag6trUtf8EPKcS1 [qt-mt]	_ZN9QIconDrag7qt_castEPKc [qt-mt]
_ZN9QIconDrag7qt_emitEiP8QUObject [qt-mt]	_ZN9QIconDrag9canDecodeEP11QMimeSource [qt-mt]
_ZN9QIconDrag9qt_invokeEiP8QUObject [qt-mt]	_ZN9QIconDragC1EP7QWidgetPKc [qt-mt]
_ZN9QIconDragC2EP7QWidgetPKc [qt-mt]	_ZN9QIconDragD0Ev [qt-mt]
_ZN9QIconDragD1Ev [qt-mt]	_ZN9QIconDragD2Ev [qt-mt]
_ZN9QIconView10dragObjectEv [qt-mt]	_ZN9QIconView10drawRubberEP8QPainter [qt-mt]
_ZN9QIconView10enterEventEP6QEvent [qt-mt]	_ZN9QIconView10insertItemEP13QIconViewItemS1_ [qt-mt]
_ZN9QIconView10onViewportEv [qt-mt]	_ZN9QIconView10setPaletteERK8QPalette [qt-mt]
_ZN9QIconView10setSortingEbb [qt-mt]	_ZN9QIconView10setSpacingEi [qt-mt]
_ZN9QIconView10slotUpdateEv [qt-mt]	_ZN9QIconView11adjustItemsEv [qt-mt]
_ZN9QIconView11emitRenamedEP13QIconViewItem [qt-mt]	_ZN9QIconView11eventFilterEP7QObjectP6QEvent [qt-mt]
_ZN9QIconView11itemRenamedEP13QIconViewItem [qt-mt]	_ZN9QIconView11itemRenamedEP13QIconViewItemRK7QString [qt-mt]
_ZN9QIconView11qt_propertyEiiP8QVariant [qt-mt]	_ZN9QIconView11repaintItemEP13QIconViewItem [qt-mt]
_ZN9QIconView11resizeEventEP12QResizeEvent [qt-mt]	_ZN9QIconView11setSelectedEP13QIconViewItembb [qt-mt]

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_ZN9QIconView11styleChangeER6QStyle [qt-mt]	_ZN9QIconView12doAutoScrollEv [qt-mt]
_ZN9QIconView12drawContentsEP8QPainter [qt-mt]	_ZN9QIconView12drawContentsEP8QPainteriiii [qt-mt]
_ZN9QIconView12focusInEventEP11QFocusEvent [qt-mt]	_ZN9QIconView12insertInGridEP13QIconViewItem [qt-mt]
_ZN9QIconView13doubleClickedEP13QIconViewItem [qt-mt]	_ZN9QIconView13focusOutEventEP11QFocusEvent [qt-mt]
_ZN9QIconView13initDragEnterEP10QDropEvent [qt-mt]	_ZN9QIconView13keyPressEventEP9QKeyEvent [qt-mt]
_ZN9QIconView13makeRowLayoutEP13QIconViewItemRiRb [qt-mt]	_ZN9QIconView13movedContentsEii [qt-mt]
_ZN9QIconView13returnPressedEP13QIconViewItem [qt-mt]	_ZN9QIconView13setResizeModeENS_10ResizeModeE [qt-mt]
_ZN9QIconView14clearSelectionEv [qt-mt]	_ZN9QIconView14currentChangedEP13QIconViewItem [qt-mt]
_ZN9QIconView14drawBackgroundEP8QPainterRK5QRect [qt-mt]	_ZN9QIconView14drawDragShapesERK6QPoint [qt-mt]
_ZN9QIconView14findItemByNameEP13QIconViewItem [qt-mt]	_ZN9QIconView14setArrangementENS_11ArrangementE [qt-mt]
_ZN9QIconView14setAutoArrangeEb [qt-mt]	_ZN9QIconView14setContentsPosEii [qt-mt]
_ZN9QIconView14setCurrentItemEP13QIconViewItem [qt-mt]	_ZN9QIconView14setItemTextPosENS_11ItemTextPosE [qt-mt]
_ZN9QIconView14updateContentsEv [qt-mt]	_ZN9QIconView15invertSelectionEv [qt-mt]
_ZN9QIconView15setItemsMovableEb [qt-mt]	_ZN9QIconView15setMaxItemWidthEi [qt-mt]
_ZN9QIconView15setShowToolTipsEb [qt-mt]	_ZN9QIconView16handleItemChangeEP13QIconViewItembbb [qt-mt]
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_ZN9QIconView16setSelectionModeENS_13SelectionModeE [qt-mt]	_ZN9QIconView16staticMetaObjectEv [qt-mt]
_ZN9QIconView17contentsDropEventEP10QDropEvent [qt-mt]	_ZN9QIconView17ensureItemVisibleEP13QIconViewItem [qt-mt]
_ZN9QIconView17rebuildContainersEv [qt-mt]	_ZN9QIconView18arrangeItemsInGridERK5QSizeb [qt-mt]
_ZN9QIconView18arrangeItemsInGridEb [qt-mt]	_ZN9QIconView18mouseButtonClickedEiP13QIconViewItemRK6QPoint [qt-mt]
_ZN9QIconView18mouseButtonPressedEiP13QIconViewItemRK6QPoint	_ZN9QIconView18qt_static_property

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_ZN9QIconView18rightButtonClickedEP13QIconViewItemRK6QPoint [qt-mt]	_ZN9QIconView18rightButtonPressedEP13QIconViewItemRK6QPoint [qt-mt]
_ZN9QIconView19appendItemContainerEv [qt-mt]	_ZN9QIconView19setWordWrapIconTextEb [qt-mt]
_ZN9QIconView19updateItemContainerEP13QIconViewItem [qt-mt]	_ZN9QIconView20contextMenuRequestedEP13QIconViewItemRK6QPoint [qt-mt]
_ZN9QIconView20emitSelectionChangedEP13QIconViewItem [qt-mt]	_ZN9QIconView20repaintSelectedItemsEv [qt-mt]
_ZN9QIconView20setMaxItemTextLengthEi [qt-mt]	_ZN9QIconView21contentsDragMoveEventEP14QDragMoveEvent [qt-mt]
_ZN9QIconView21setItemTextBackgroundERK6QBrush [qt-mt]	_ZN9QIconView22contentsDragEnterEventEP15QDragEnterEvent [qt-mt]
_ZN9QIconView22contentsDragLeaveEventEP15QDragLeaveEvent [qt-mt]	_ZN9QIconView22contentsMouseMoveEventEP11QMouseEvent [qt-mt]
_ZN9QIconView22windowActivationChangeEb [qt-mt]	_ZN9QIconView23contentsMousePressEventEP11QMouseEvent [qt-mt]
_ZN9QIconView24contentsContextMenuEventEP17QContextMenuEvent [qt-mt]	_ZN9QIconView25contentsMousePressEventExEP11QMouseEvent [qt-mt]
_ZN9QIconView25contentsMouseReleaseEventEP11QMouseEvent [qt-mt]	_ZN9QIconView29contentsMouseDoubleClickEventEP11QMouseEvent [qt-mt]
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_ZN9QIconView5clearEv [qt-mt]	_ZN9QIconView5movedEv [qt-mt]
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_ZN9QIconView7droppedEP10QDropEventRK10QValueListI13QIconDragItemE [qt-mt]	_ZN9QIconView7pressedEP13QIconViewItem [qt-mt]
_ZN9QIconView7pressedEP13QIconViewItemRK6QPoint [qt-mt]	_ZN9QIconView7qt_castEPKc [qt-mt]
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_ZN9QIconView8setGridXEi [qt-mt]	_ZN9QIconView8setGridYEi [qt-mt]
_ZN9QIconView8takeItemEP13QIconViewItem [qt-mt]	_ZN9QIconView9qt_invokeEiP8QUObject [qt-mt]

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_ZN9QIconView9selectAllEb [qt-mt]	_ZN9QIconView9showEventEP10QShowEvent [qt-mt]
_ZN9QIconView9startDragEv [qt-mt]	_ZN9QIconViewC1EP7QWidgetPKcj [qt-mt]
_ZN9QIconViewC2EP7QWidgetPKcj [qt-mt]	_ZN9QIconViewD0Ev [qt-mt]
_ZN9QIconViewD1Ev [qt-mt]	_ZN9QIconViewD2Ev [qt-mt]
_ZN9QJisCodecC1Ev [qt-mt]	_ZN9QJisCodecC2Ev [qt-mt]
_ZN9QJisCodecD0Ev [qt-mt]	_ZN9QJisCodecD1Ev [qt-mt]
_ZN9QJisCodecD2Ev [qt-mt]	_ZN9QLineEdit10imEndEventEP8QIMEvent [qt-mt]
_ZN9QLineEdit10setPaletteERK8QPalette [qt-mt]	_ZN9QLineEdit11qt_propertyEiiP8QVariant [qt-mt]
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_ZN9QLineEdit11setReadOnlyEb [qt-mt]	_ZN9QLineEdit11textChangedERK7QString [qt-mt]
_ZN9QLineEdit12drawContentsEP8QPainter [qt-mt]	_ZN9QLineEdit12focusInEventEP11QFocusEvent [qt-mt]
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_ZN9QLineEdit12setMaxLengthEi [qt-mt]	_ZN9QLineEdit12setSelectionEii [qt-mt]
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_ZN9QLineEdit13cursorForwardEbi [qt-mt]	_ZN9QLineEdit13dragMoveEventEP14QDragMoveEvent [qt-mt]
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_ZN9QLineEdit13returnPressedEv [qt-mt]	_ZN9QLineEdit14clearValidatorEv [qt-mt]
_ZN9QLineEdit14cursorBackwardEbi [qt-mt]	_ZN9QLineEdit14dragEnterEventEP15QDragEnterEvent [qt-mt]
_ZN9QLineEdit14dragLeaveEventEP15QDragLeaveEvent [qt-mt]	_ZN9QLineEdit14imComposeEventEP8QIMEvent [qt-mt]
_ZN9QLineEdit14mouseMoveEventEP11QMouseEvent [qt-mt]	_ZN9QLineEdit14setDragEnabledEb [qt-mt]
_ZN9QLineEdit14validateAndSetERK7QStringiii [qt-mt]	_ZN9QLineEdit15createPopupMenuEv [qt-mt]

_ZN9QLineEdit15mousePressEventEP11QMouseEvent [qt-mt]	_ZN9QLineEdit15setPasswordCharE5QChar [qt-mt]
_ZN9QLineEdit16clipboardChangedEv [qt-mt]	_ZN9QLineEdit16contextMenuEventEP17QContextMenuEvent [qt-mt]
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_ZN9QLineEdit17cursorWordForwardEb [qt-mt]	_ZN9QLineEdit17mouseReleaseEventEP11QMouseEvent [qt-mt]
_ZN9QLineEdit17setCursorPositionEi [qt-mt]	_ZN9QLineEdit18cursorWordBackwardEb [qt-mt]
_ZN9QLineEdit18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]	_ZN9QLineEdit21mouseDoubleClickEventEP11QMouseEvent [qt-mt]
_ZN9QLineEdit22windowActivationChangeEb [qt-mt]	_ZN9QLineEdit2trEPKcS1_ [qt-mt]
_ZN9QLineEdit3cutEv [qt-mt]	_ZN9QLineEdit3delEv [qt-mt]
_ZN9QLineEdit3endEb [qt-mt]	_ZN9QLineEdit4homeEb [qt-mt]
_ZN9QLineEdit4redoEv [qt-mt]	_ZN9QLineEdit4undoEv [qt-mt]
_ZN9QLineEdit5clearEv [qt-mt]	_ZN9QLineEdit5eventEP6QEvent [qt-mt]
_ZN9QLineEdit5pasteEv [qt-mt]	_ZN9QLineEdit6insertERK7QString [qt-mt]
ZN9QLineEdit6trUtf8EPKcS1 [qt-mt]	_ZN9QLineEdit7qt_castEPKc [qt-mt]
_ZN9QLineEdit7qt_emitEiP8QUObject [qt-mt]	_ZN9QLineEdit7setFontERK5QFont [qt-mt]
_ZN9QLineEdit7setTextERK7QString [qt-mt]	_ZN9QLineEdit8deselectEv [qt-mt]
_ZN9QLineEdit8setFrameEb [qt-mt]	_ZN9QLineEdit9backspaceEv [qt-mt]
_ZN9QLineEdit9dropEventEP10QDropEvent [qt-mt]	_ZN9QLineEdit9lostFocusEv [qt-mt]
_ZN9QLineEdit9qt_invokeEiP8QUObject [qt-mt]	_ZN9QLineEdit9selectAllEv [qt-mt]
_ZN9QLineEdit9setEditedEb [qt-mt]	_ZN9QLineEditC1EP7QWidgetPKc [qt-mt]
_ZN9QLineEditC1ERK7QStringP7QWidgetPKc [qt-mt]	_ZN9QLineEditC1ERK7QStringS2_P7QWidgetPKc [qt-mt]
_ZN9QLineEditC2EP7QWidgetPKc [qt-mt]	_ZN9QLineEditC2ERK7QStringP7QWidgetPKc [qt-mt]
_ZN9QLineEditC2ERK7QStringS2_P7QWidgetPKc [qt-mt]	_ZN9QLineEditD0Ev [qt-mt]
_ZN9QLineEditD1Ev [qt-mt]	_ZN9QLineEditD2Ev [qt-mt]

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_ZN9QListView10clearRangeEP13QListViewItemS1_b [qt-mt]	_ZN9QListView10dragObjectEv [qt-mt]
_ZN9QListView10hideColumnEi [qt-mt]	_ZN9QListView10insertItemEP13QListViewItem [qt-mt]
_ZN9QListView10onViewportEv [qt-mt]	_ZN9QListView10setPaletteERK8QPalette [qt-mt]
_ZN9QListView10setSortingEib [qt-mt]	_ZN9QListView11eventFilterEP7QObjectP6QEvent [qt-mt]
_ZN9QListView11itemRenamedEP13QListViewItemi [qt-mt]	_ZN9QListView11itemRenamedEP13QListViewItemiRK7QString [qt-mt]
_ZN9QListView11makeVisibleEv [qt-mt]	_ZN9QListView11qt_propertyEiiP8QVariant [qt-mt]
_ZN9QListView11resizeEventEP12QResizeEvent [qt-mt]	_ZN9QListView11selectRangeEP13QListViewItemS1_S1_ [qt-mt]
_ZN9QListView11selectRangeEP13QListViewItemS1_bbb [qt-mt]	_ZN9QListView11setSelectedEP13QListViewItemb [qt-mt]
_ZN9QListView11startRenameEv [qt-mt]	_ZN9QListView11styleChangeER6QStyle [qt-mt]
_ZN9QListView12adjustColumnEi [qt-mt]	_ZN9QListView12doAutoScrollERK6QPoint [qt-mt]
_ZN9QListView12doAutoScrollEv [qt-mt]	_ZN9QListView12focusInEventEP11QFocusEvent [qt-mt]
_ZN9QListView12removeColumnEi [qt-mt]	_ZN9QListView12setSortOrderEN2Qt9SortOrderE [qt-mt]
_ZN9QListView12spacePressedEP13QListViewItem [qt-mt]	_ZN9QListView12widthChangedEPK13QListViewItemi [qt-mt]
_ZN9QListView13doubleClickedEP13QListViewItem [qt-mt]	_ZN9QListView13doubleClickedEP13QListViewItemRK6QPointi [qt-mt]
_ZN9QListView13focusOutEventEP11QFocusEvent [qt-mt]	_ZN9QListView13keyPressEventEP9QKeyEvent [qt-mt]
_ZN9QListView13openFocusItemEv [qt-mt]	_ZN9QListView13returnPressedEP13QListViewItem [qt-mt]
_ZN9QListView13setColumnTextEiRK7QString [qt-mt]	_ZN9QListView13setColumnTextEiRK8QIconSetRK7QString [qt-mt]
_ZN9QListView13setItemMarginEi [qt-mt]	_ZN9QListView13setResizeModeENS_10ResizeModeE [qt-mt]
_ZN9QListView13setSortColumnEi [qt-mt]	_ZN9QListView13triggerUpdateEv [qt-mt]
_ZN9QListView14clearSelectionEv [qt-mt]	_ZN9QListView14currentChangedEP13QListViewItem [qt-mt]
_ZN9QListView14paintEmptyAreaEP8QPainterRK5QRect [qt-mt]	_ZN9QListView14setColumnWidthEii [qt-mt]

_ZN9QListView14setContentsPosEii [qt-mt]	_ZN9QListView14setCurrentItemEP13QListViewItem [qt-mt]
_ZN9QListView14updateContentsEv [qt-mt]	_ZN9QListView15invertSelectionEv [qt-mt]
_ZN9QListView15setShowToolTipsEb [qt-mt]	_ZN9QListView15setTreeStepSizeEi [qt-mt]
_ZN9QListView16changeSortColumnEi [qt-mt]	_ZN9QListView16handleItemChangeEP13QListViewItembb [qt-mt]
_ZN9QListView16handleSizeChangeEiii [qt-mt]	_ZN9QListView16reconfigureItemsEv [qt-mt]
_ZN9QListView16selectionChangedEP13QListViewItem [qt-mt]	_ZN9QListView16selectionChangedEv [qt-mt]
_ZN9QListView16setSelectionModeENS_13SelectionModeE [qt-mt]	_ZN9QListView16staticMetaObjectEv [qt-mt]
_ZN9QListView16updateDirtyItemsEv [qt-mt]	_ZN9QListView16updateGeometriesEv [qt-mt]
_ZN9QListView17contentsDropEventEP10QDropEvent [qt-mt]	_ZN9QListView17ensureItemVisibleEPK13QListViewItem [qt-mt]
_ZN9QListView17handleIndexChangeEv [qt-mt]	_ZN9QListView17setMultiSelectionEb [qt-mt]
_ZN9QListView18drawContentsOffsetEP8QPainteriiiiii [qt-mt]	_ZN9QListView18mouseButtonClickedEiP13QListViewItemRK6QPointi [qt-mt]
_ZN9QListView18mouseButtonPressedEiP13QListViewItemRK6QPointi [qt-mt]	_ZN9QListView18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
_ZN9QListView18rightButtonClickedEP13QListViewItemRK6QPointi [qt-mt]	_ZN9QListView18rightButtonPressedEP13QListViewItemRK6QPointi [qt-mt]
_ZN9QListView18setColumnAlignmentEii [qt-mt]	_ZN9QListView18setColumnWidthModeEiNS_9WidthModeE [qt-mt]
_ZN9QListView18setRootIsDecoratedEb [qt-mt]	_ZN9QListView18setSelectionAnchorEP13QListViewItem [qt-mt]
_ZN9QListView19viewportResizeEventEP12QResizeEvent [qt-mt]	_ZN9QListView20contextMenuRequestedEP13QListViewItemRK6QPointi [qt-mt]
_ZN9QListView20setShowSortIndicatorEb [qt-mt]	_ZN9QListView21contentsDragMoveEventEP14QDragMoveEvent [qt-mt]
_ZN9QListView22contentsDragEnterEventEP15QDragEnterEvent [qt-mt]	_ZN9QListView22contentsDragLeaveEventEP15QDragLeaveEvent [qt-mt]
_ZN9QListView22contentsMouseMo	_ZN9QListView22setAllColumnsSho

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veEventEP11QMouseEvent [qt-mt]	wFocusEb [qt-mt]
_ZN9QListView22setDefaultRenameActionENS_12RenameActionE [qt-mt]	_ZN9QListView22windowActivationChangeEb [qt-mt]
_ZN9QListView23contentsMousePressEventEP11QMouseEvent [qt-mt]	_ZN9QListView24contentsContextMenuEventEP17QContextMenuEvent [qt-mt]
_ZN9QListView25contentsMousePressEventExEP11QMouseEvent [qt-mt]	_ZN9QListView25contentsMouseReleaseEventEP11QMouseEvent [qt-mt]
_ZN9QListView27contentsMouseReleaseEventExEP11QMouseEvent [qt-mt]	_ZN9QListView29contentsMouseDoubleClickEventEP11QMouseEvent [qt-mt]
ZN9QListView2trEPKcS1 [qt-mt]	_ZN9QListView4initEv [qt-mt]
_ZN9QListView4showEv [qt-mt]	_ZN9QListView4sortEv [qt-mt]
_ZN9QListView5clearEv [qt-mt]	_ZN9QListView6onItemEP13QListViewItem [qt-mt]
ZN9QListView6trUtf8EPKcS1 [qt-mt]	_ZN9QListView7clickedEP13QListViewItem [qt-mt]
_ZN9QListView7clickedEP13QListViewItemRK6QPointi [qt-mt]	_ZN9QListView7droppedEP10QDropEvent [qt-mt]
_ZN9QListView7itemPosEPK13QListViewItem [qt-mt]	_ZN9QListView7pressedEP13QListViewItem [qt-mt]
_ZN9QListView7pressedEP13QListViewItemRK6QPointi [qt-mt]	_ZN9QListView7qt_castEPKc [qt-mt]
_ZN9QListView7qt_emitEiP8QUObject [qt-mt]	_ZN9QListView7setFontERK5QFont [qt-mt]
_ZN9QListView7setOpenEP13QListViewItemb [qt-mt]	_ZN9QListView8expandedEP13QListViewItem [qt-mt]
_ZN9QListView8takeItemEP13QListViewItem [qt-mt]	_ZN9QListView9addColumnERK7QStringi [qt-mt]
_ZN9QListView9addColumnERK8QIconSetRK7QStringi [qt-mt]	_ZN9QListView9collapsedEP13QListViewItem [qt-mt]
_ZN9QListView9qt_invokeEiP8QUObject [qt-mt]	_ZN9QListView9selectAllEb [qt-mt]
_ZN9QListView9showEventEP10QShowEvent [qt-mt]	_ZN9QListView9startDragEv [qt-mt]
_ZN9QListViewC1EP7QWidgetPKcj [qt-mt]	_ZN9QListViewC2EP7QWidgetPKcj [qt-mt]
_ZN9QListViewD0Ev [qt-mt]	_ZN9QListViewD1Ev [qt-mt]
_ZN9QListViewD2Ev [qt-mt]	_ZN9QMenuData10changeItemEiRK7QPixmap [qt-mt]
_ZN9QMenuData10changeItemEiRK	_ZN9QMenuData10changeItemEiRK

7QString [qt-mt]	8QIconSetRK7QPixmap [qt-mt]
_ZN9QMenuData10changeItemEiRK8QIconSetRK7QString [qt-mt]	_ZN9QMenuData10insertItemEP15QCustomMenuItemii [qt-mt]
_ZN9QMenuData10insertItemEP7QWidgetii [qt-mt]	_ZN9QMenuData10insertItemERK7QPixmapP10QPopupMenuii [qt-mt]
_ZN9QMenuData10insertItemERK7QPixmapPK7QObjectPKcRK12QKeySequenceii [qt-mt]	_ZN9QMenuData10insertItemERK7QPixmapii [qt-mt]
_ZN9QMenuData10insertItemERK7QStringP10QPopupMenuii [qt-mt]	_ZN9QMenuData10insertItemERK7QStringPK7QObjectPKcRK12QKeySequenceii [qt-mt]
_ZN9QMenuData10insertItemERK7QStringii [qt-mt]	_ZN9QMenuData10insertItemERK8QIconSetP15QCustomMenuItemii [qt-mt]
_ZN9QMenuData10insertItemERK8QIconSetRK7QPixmapP10QPopupMenuii [qt-mt]	_ZN9QMenuData10insertItemERK8QIconSetRK7QPixmapPK7QObjectPKcRK12QKeySequenceii [qt-mt]
_ZN9QMenuData10insertItemERK8QIconSetRK7QPixmapii [qt-mt]	_ZN9QMenuData10insertItemERK8QIconSetRK7QStringP10QPopupMenuii [qt-mt]
_ZN9QMenuData10insertItemERK8QIconSetRK7QStringPK7QObjectPKcRK12QKeySequenceii [qt-mt]	_ZN9QMenuData10insertItemERK8QIconSetRK7QStringii [qt-mt]
_ZN9QMenuData10removeItemEi [qt-mt]	_ZN9QMenuData10updateItemEi [qt-mt]
_ZN9QMenuData11connectItemEiPK7QObjectPKc [qt-mt]	_ZN9QMenuData11removePopupEP10QPopupMenu [qt-mt]
_ZN9QMenuData12menuDelPopupEP10QPopupMenu [qt-mt]	_ZN9QMenuData12menuInsPopupEP10QPopupMenu [qt-mt]
_ZN9QMenuData12removeItemAtEi [qt-mt]	_ZN9QMenuData12setWhatsThisEiRK7QString [qt-mt]
_ZN9QMenuData14activateItemAtEi [qt-mt]	_ZN9QMenuData14disconnectItemEiPK7QObjectPKc [qt-mt]
_ZN9QMenuData14setItemCheckedEib [qt-mt]	_ZN9QMenuData14setItemEnabledEib [qt-mt]
_ZN9QMenuData14setItemVisibleEib [qt-mt]	_ZN9QMenuData15insertSeparatorEi [qt-mt]
_ZN9QMenuData16menuStateChangedEv [qt-mt]	_ZN9QMenuData16setItemParameterEii [qt-mt]
_ZN9QMenuData17changeItemIconSetEiRK8QIconSet [qt-mt]	_ZN9QMenuData19menuContentsChangedEv [qt-mt]
_ZN9QMenuData5clearEv [qt-mt]	_ZN9QMenuData5setIdEii [qt-mt]
_ZN9QMenuData8setAccelERK12Q	_ZN9QMenuData9findPopupEP10Q

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KeySequencei [qt-mt]	PopupMenuPi [qt-mt]
_ZN9QMenuData9insertAnyEPK7QStringPK7QPixmapP10QPopupMenuPK8QIconSetiiP7QWidgetP15QCustomMenuItem [qt-mt]	_ZN9QMenuDataC1Ev [qt-mt]
_ZN9QMenuDataC2Ev [qt-mt]	_ZN9QMenuDataD0Ev [qt-mt]
_ZN9QMenuDataD1Ev [qt-mt]	_ZN9QMenuDataD2Ev [qt-mt]
_ZN9QMenuItem5extraEv [qt-mt]	_ZN9QMenuItemC1Ev [qt-mt]
_ZN9QMenuItemC2Ev [qt-mt]	_ZN9QMenuItemD1Ev [qt-mt]
_ZN9QMenuItemD2Ev [qt-mt]	_ZN9QSettings10beginGroupERK7QString [qt-mt]
_ZN9QSettings10resetGroupEv [qt-mt]	_ZN9QSettings10writeEntryERK7QStringPKc [qt-mt]
_ZN9QSettings10writeEntryERK7QStringRK11QStringList [qt-mt]	_ZN9QSettings10writeEntryERK7QStringRK11QStringListRK5QChar [qt-mt]
ZN9QSettings10writeEntryERK7QStringS2 [qt-mt]	_ZN9QSettings10writeEntryERK7QStringb [qt-mt]
_ZN9QSettings10writeEntryERK7QStringd [qt-mt]	_ZN9QSettings10writeEntryERK7QStringi [qt-mt]
_ZN9QSettings11removeEntryERK7QString [qt-mt]	_ZN9QSettings12readNumEntryERK7QStringiPb [qt-mt]
_ZN9QSettings13readBoolEntryERK7QStringbPb [qt-mt]	_ZN9QSettings13readListEntryERK7QStringPb [qt-mt]
_ZN9QSettings13readListEntryERK7QStringRK5QCharPb [qt-mt]	_ZN9QSettings15readDoubleEntryERK7QStringdPb [qt-mt]
_ZN9QSettings16insertSearchPathENS_6SystemERK7QString [qt-mt]	_ZN9QSettings16removeSearchPathENS_6SystemERK7QString [qt-mt]
_ZN9QSettings20lastModificationTimeERK7QString [qt-mt]	_ZN9QSettings4syncEv [qt-mt]
_ZN9QSettings7setPathERK7QStringS2_NS_5ScopeE [qt-mt]	_ZN9QSettings8endGroupEv [qt-mt]
_ZN9QSettings9readEntryERK7QStringS2_Pb [qt-mt]	_ZN9QSettingsC1ENS_6FormatE [qt-mt]
_ZN9QSettingsC1Ev [qt-mt]	_ZN9QSettingsC2ENS_6FormatE [qt-mt]
_ZN9QSettingsC2Ev [qt-mt]	_ZN9QSettingsD1Ev [qt-mt]
_ZN9QSettingsD2Ev [qt-mt]	_ZN9QSizeGrip10paintEventEP11QPaintEvent [qt-mt]
_ZN9QSizeGrip11eventFilterEP7QObjectP6QEvent [qt-mt]	_ZN9QSizeGrip11qt_propertyEiiP8QVariant [qt-mt]
_ZN9QSizeGrip14mouseMoveEvent	_ZN9QSizeGrip15mousePressEventE

EP11QMouseEvent [qt-mt]	P11QMouseEvent [qt-mt]
_ZN9QSizeGrip16staticMetaObjectEv [qt-mt]	_ZN9QSizeGrip18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
ZN9QSizeGrip2trEPKcS1 [qt-mt]	_ZN9QSizeGrip6trUtf8EPKcS1_ [qt-mt]
_ZN9QSizeGrip7qt_castEPKc [qt-mt]	_ZN9QSizeGrip7qt_emitEiP8QUObject [qt-mt]
_ZN9QSizeGrip9qt_invokeEiP8QUObject [qt-mt]	_ZN9QSizeGripC1EP7QWidgetPKc [qt-mt]
_ZN9QSizeGripC2EP7QWidgetPKc [qt-mt]	_ZN9QSizeGripD0Ev [qt-mt]
_ZN9QSizeGripD1Ev [qt-mt]	_ZN9QSizeGripD2Ev [qt-mt]
_ZN9QSplitter10childEventEP11QChildEvent [qt-mt]	_ZN9QSplitter10findWidgetEP7QWidget [qt-mt]
_ZN9QSplitter10moveToLastEP7QWidget [qt-mt]	_ZN9QSplitter10storeSizesEv [qt-mt]
_ZN9QSplitter11collapsibleEP21QSplitterLayoutStruct [qt-mt]	_ZN9QSplitter11moveToFirstEP7QWidget [qt-mt]
_ZN9QSplitter11qt_propertyEiiP8QVariant [qt-mt]	_ZN9QSplitter11resizeEventEP12QResizeEvent [qt-mt]
_ZN9QSplitter11styleChangeER6QStyle [qt-mt]	_ZN9QSplitter12drawSplitterEP8QPainteriiii [qt-mt]
_ZN9QSplitter12moveSplitterEii [qt-mt]	_ZN9QSplitter13setResizeModeEP7QWidgetNS_10ResizeModeE [qt-mt]
_ZN9QSplitter13setRubberbandEi [qt-mt]	_ZN9QSplitter13updateHandlesEv [qt-mt]
_ZN9QSplitter14setCollapsibleEP7QWidgetb [qt-mt]	_ZN9QSplitter14setHandleWidthEi [qt-mt]
_ZN9QSplitter14setOrientationEN2Qt11OrientationE [qt-mt]	_ZN9QSplitter15addContributionEiPiS0_b [qt-mt]
_ZN9QSplitter15setOpaqueResizeEb [qt-mt]	_ZN9QSplitter16staticMetaObjectEv [qt-mt]
_ZN9QSplitter18processChildEventsEv [qt-mt]	_ZN9QSplitter18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
_ZN9QSplitter22setChildrenCollapsibleEb [qt-mt]	_ZN9QSplitter2trEPKcS1_ [qt-mt]
_ZN9QSplitter31findWidgetJustBeforeOrJustAfterEiiRi [qt-mt]	_ZN9QSplitter4initEv [qt-mt]
_ZN9QSplitter5eventEP6QEvent [qt-mt]	_ZN9QSplitter6doMoveEbiiibb [qt-mt]
_ZN9QSplitter6recalcEb [qt-mt]	_ZN9QSplitter6setGeoEP7QWidgetiib [qt-mt]

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ZN9QSplitter6trUtf8EPKcS1 [qt-mt]	_ZN9QSplitter7qt_castEPKc [qt-mt]
_ZN9QSplitter7qt_emitEiP8QUObject [qt-mt]	_ZN9QSplitter8doResizeEv [qt-mt]
ZN9QSplitter8getRangeEiPiS0 [qt-mt]	_ZN9QSplitter8getRangeEiPiS0_S0_S0_ [qt-mt]
_ZN9QSplitter8recalcIdEv [qt-mt]	_ZN9QSplitter8setSizesE10QValueListIiE [qt-mt]
_ZN9QSplitter9addWidgetEP7QWidgetb [qt-mt]	_ZN9QSplitter9adjustPosEii [qt-mt]
_ZN9QSplitter9adjustPosEiiPiS0_S0_S0_ [qt-mt]	_ZN9QSplitter9qt_invokeEiP8QUObject [qt-mt]
_ZN9QSplitterC1EN2Qt11OrientationEP7QWidgetPKc [qt-mt]	_ZN9QSplitterC1EP7QWidgetPKc [qt-mt]
_ZN9QSplitterC2EN2Qt11OrientationEP7QWidgetPKc [qt-mt]	_ZN9QSplitterC2EP7QWidgetPKc [qt-mt]
_ZN9QSplitterD0Ev [qt-mt]	_ZN9QSplitterD1Ev [qt-mt]
_ZN9QSplitterD2Ev [qt-mt]	_ZN9QSqlError13setDriverTextERK7QString [qt-mt]
_ZN9QSqlError15setDatabaseTextERK7QString [qt-mt]	_ZN9QSqlError7setTypeEi [qt-mt]
_ZN9QSqlError9setNumberEi [qt-mt]	_ZN9QSqlErrorC1ERK7QStringS2_ii [qt-mt]
ZN9QSqlErrorC1ERKS [qt-mt]	_ZN9QSqlErrorC2ERK7QStringS2_ii [qt-mt]
ZN9QSqlErrorC2ERKS [qt-mt]	_ZN9QSqlErrorD0Ev [qt-mt]
_ZN9QSqlErrorD1Ev [qt-mt]	_ZN9QSqlErrorD2Ev [qt-mt]
ZN9QSqlErroraSERKS [qt-mt]	_ZN9QSqlField11setReadOnlyEb [qt-mt]
_ZN9QSqlField5clearEb [qt-mt]	_ZN9QSqlField7setNameERK7QString [qt-mt]
_ZN9QSqlField7setNullEv [qt-mt]	_ZN9QSqlField8setValueERK8QVariant [qt-mt]
_ZN9QSqlFieldC1ERK7QStringN8QVariant4TypeE [qt-mt]	_ZN9QSqlFieldC1ERKS_ [qt-mt]
_ZN9QSqlFieldC2ERK7QStringN8QVariant4TypeE [qt-mt]	_ZN9QSqlFieldC2ERKS_ [qt-mt]
_ZN9QSqlFieldD0Ev [qt-mt]	_ZN9QSqlFieldD1Ev [qt-mt]
_ZN9QSqlFieldD2Ev [qt-mt]	_ZN9QSqlFieldaSERKS_ [qt-mt]
_ZN9QSqlIndex13setCursorNameERK7QString [qt-mt]	_ZN9QSqlIndex13setDescendingEib [qt-mt]

_ZN9QSqlIndex14fromStringListERK11QStringListPK10QSqlCursor [qt-mt]	_ZN9QSqlIndex6appendERK9QSqlField [qt-mt]
_ZN9QSqlIndex6appendERK9QSqlFieldb [qt-mt]	_ZN9QSqlIndex7setNameERK7QString [qt-mt]
ZN9QSqlIndexC1ERK7QStringS2 [qt-mt]	_ZN9QSqlIndexC1ERKS_ [qt-mt]
ZN9QSqlIndexC2ERK7QStringS2 [qt-mt]	_ZN9QSqlIndexC2ERKS_ [qt-mt]
_ZN9QSqlIndexD0Ev [qt-mt]	_ZN9QSqlIndexD1Ev [qt-mt]
_ZN9QSqlIndexD2Ev [qt-mt]	_ZN9QSqlIndexaSERKS_ [qt-mt]
_ZN9QSqlQuery10beforeSeekEv [qt-mt]	_ZN9QSqlQuery11checkDetachEv [qt-mt]
_ZN9QSqlQuery12addBindValueERK8QVariant [qt-mt]	_ZN9QSqlQuery12addBindValueERK8QVariantN4QSql13ParameterTypeE [qt-mt]
_ZN9QSqlQuery14setForwardOnlyEb [qt-mt]	_ZN9QSqlQuery4execERK7QString [qt-mt]
_ZN9QSqlQuery4execEv [qt-mt]	_ZN9QSqlQuery4initERK7QStringP12QSqlDatabase [qt-mt]
_ZN9QSqlQuery4lastEv [qt-mt]	_ZN9QSqlQuery4nextEv [qt-mt]
_ZN9QSqlQuery4prevEv [qt-mt]	_ZN9QSqlQuery4seekEib [qt-mt]
_ZN9QSqlQuery5derefEv [qt-mt]	_ZN9QSqlQuery5firstEv [qt-mt]
_ZN9QSqlQuery7prepareERK7QString [qt-mt]	_ZN9QSqlQuery9afterSeekEv [qt-mt]
_ZN9QSqlQuery9bindValueERK7QStringRK8QVariant [qt-mt]	_ZN9QSqlQuery9bindValueERK7QStringRK8QVariantN4QSql13ParameterTypeE [qt-mt]
_ZN9QSqlQuery9bindValueEiRK8QVariant [qt-mt]	_ZN9QSqlQuery9bindValueEiRK8QVariantN4QSql13ParameterTypeE [qt-mt]
_ZN9QSqlQueryC1EP10QSqlResult [qt-mt]	_ZN9QSqlQueryC1EP12QSqlDatabase [qt-mt]
_ZN9QSqlQueryC1ERK7QStringP12QSqlDatabase [qt-mt]	_ZN9QSqlQueryC1ERKS_ [qt-mt]
_ZN9QSqlQueryC2EP10QSqlResult [qt-mt]	_ZN9QSqlQueryC2EP12QSqlDatabase [qt-mt]
_ZN9QSqlQueryC2ERK7QStringP12QSqlDatabase [qt-mt]	_ZN9QSqlQueryC2ERKS_ [qt-mt]
_ZN9QSqlQueryD0Ev [qt-mt]	_ZN9QSqlQueryD1Ev [qt-mt]
_ZN9QSqlQueryD2Ev [qt-mt]	_ZN9QSqlQueryaSERKS_ [qt-mt]

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_ZN9QTextDrag10setSubtypeERK8QCString [qt-mt]	_ZN9QTextDrag11qt_propertyEiiP8QVariant [qt-mt]
_ZN9QTextDrag16staticMetaObjectEv [qt-mt]	_ZN9QTextDrag18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
ZN9QTextDrag2trEPKcS1 [qt-mt]	_ZN9QTextDrag6decodeEPK11QMimeSourceR7QString [qt-mt]
_ZN9QTextDrag6decodeEPK11QMimeSourceR7QStringR8QCString [qt-mt]	_ZN9QTextDrag6trUtf8EPKcS1_ [qt-mt]
_ZN9QTextDrag7qt_castEPKc [qt-mt]	_ZN9QTextDrag7qt_emitEiP8QUObject [qt-mt]
_ZN9QTextDrag7setTextERK7QString [qt-mt]	_ZN9QTextDrag9canDecodeEPK11QMimeSource [qt-mt]
_ZN9QTextDrag9qt_invokeEiP8QUObject [qt-mt]	_ZN9QTextDragC1EP7QWidgetPKc [qt-mt]
_ZN9QTextDragC1ERK7QStringP7QWidgetPKc [qt-mt]	_ZN9QTextDragC2EP7QWidgetPKc [qt-mt]
_ZN9QTextDragC2ERK7QStringP7QWidgetPKc [qt-mt]	_ZN9QTextDragD0Ev [qt-mt]
_ZN9QTextDragD1Ev [qt-mt]	_ZN9QTextDragD2Ev [qt-mt]
_ZN9QTextEdit10drawCursorEb [qt-mt]	_ZN9QTextEdit10formatMoreEv [qt-mt]
_ZN9QTextEdit10imEndEventEP8QIMEvent [qt-mt]	_ZN9QTextEdit10lineOfCharEii [qt-mt]
_ZN9QTextEdit10moveCursorENS_12CursorActionE [qt-mt]	_ZN9QTextEdit10moveCursorENS_12CursorActionEb [qt-mt]
_ZN9QTextEdit10normalCopyEv [qt-mt]	_ZN9QTextEdit10setEnabledEb [qt-mt]
_ZN9QTextEdit10setPaletteERK8QPalette [qt-mt]	_ZN9QTextEdit11blinkCursorEv [qt-mt]
_ZN9QTextEdit11eventFilterEP7QObjectP6QEvent [qt-mt]	_ZN9QTextEdit11maxLogLinesEv [qt-mt]
_ZN9QTextEdit11optimAppendERK7QString [qt-mt]	_ZN9QTextEdit11optimInsertERK7QStringii [qt-mt]
_ZN9QTextEdit11pickSpecialEP11QMimeSourcebRK6QPoint [qt-mt]	_ZN9QTextEdit11placeCursorERK6QPointP11QTextCursor [qt-mt]
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_ZN9QTextEdit11readFormatsER11QTextCursorS1_R11QTextStringb [qt-mt]	_ZN9QTextEdit11resetFormatEv [qt-mt]
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_ZN9QTextEdit11setModifiedEb [qt-mt]	_ZN9QTextEdit11setModifiedEv [qt-mt]
_ZN9QTextEdit11setReadOnlyEb [qt-mt]	_ZN9QTextEdit11setWordWrapENS_8WordWrapE [qt-mt]
_ZN9QTextEdit11textChangedEv [qt-mt]	_ZN9QTextEdit12UndoRedoInfo5clearEv [qt-mt]
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_ZN9QTextEdit12drawContentsEP8QPainter [qt-mt]	_ZN9QTextEdit12drawContentsEP8QPainteriiii [qt-mt]
_ZN9QTextEdit12imStartEventEP8QIMEvent [qt-mt]	_ZN9QTextEdit12optimSetTextERK7QString [qt-mt]
_ZN9QTextEdit12pasteSpecialERK6QPoint [qt-mt]	_ZN9QTextEdit12pasteSubTypeERK8QCString [qt-mt]
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_ZN9QTextEdit12setSelectionEiiiii [qt-mt]	_ZN9QTextEdit12setUnderlineEb [qt-mt]
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_ZN9QTextEdit12updateStylesEv [qt-mt]	_ZN9QTextEdit13clearUndoRedoEv [qt-mt]
_ZN9QTextEdit13copyAvailableEb [qt-mt]	_ZN9QTextEdit13doubleClickedEii [qt-mt]
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_ZN9QTextEdit14optimParseTagsEP7QStringii [qt-mt]	_ZN9QTextEdit14optimSelectAllEv [qt-mt]
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_ZN9QTextEdit3cutEv [qt-mt]	_ZN9QTextEdit3delEv [qt-mt]
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_ZN9QTextEditD0Ev [qt-mt]	_ZN9QTextEditD1Ev [qt-mt]

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_ZN9QTextView16staticMetaObjectEv [qt-mt]	_ZN9QTextView18qt_static_propertyEP7QObjectiiP8QVariant [qt-mt]
ZN9QTextView2trEPKcS1 [qt-mt]	_ZN9QTextView6trUtf8EPKcS1_ [qt-mt]
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_ZN9QTextView9qt_invokeEiP8QUObject [qt-mt]	_ZN9QTextViewC1EP7QWidgetPKc [qt-mt]
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_ZN9QTimeEdit10setDisplayEj [qt-mt]	_ZN9QTimeEdit10timerEventEP11QTimerEvent [qt-mt]
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_ZN9QTimeEdit11sectionTextEi [qt-mt]	_ZN9QTimeEdit12setSeparatorERK7QString [qt-mt]
_ZN9QTimeEdit12valueChangedERK5QTime [qt-mt]	_ZN9QTimeEdit13updateButtonsEv [qt-mt]
_ZN9QTimeEdit14setAutoAdvanceEb [qt-mt]	_ZN9QTimeEdit15setFocusSectionEi [qt-mt]
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_ZN9QTimeEdit4initEv [qt-mt]	_ZN9QTimeEdit5eventEP6QEvent [qt-mt]
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_ZN9QTimeEditC1EP7QWidgetPKc [qt-mt]	_ZN9QTimeEditC1ERK5QTimeP7QWidgetPKc [qt-mt]
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_ZNK10QClipboard6pixmapEv [qt-mt]	_ZNK10QClipboard9classNameEv [qt-mt]
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_ZNK10QDataTable4itemEii [qt-mt]	_ZNK10QDataTable4sortEv [qt-mt]
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_ZNK10QSqlDriver11formatValueEPK9QSqlFieldb [qt-mt]	_ZNK10QSqlDriver11isOpenErrorEv [qt-mt]
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_ZNK10QTabDialog11currentPageEv [qt-mt]	_ZNK10QTabDialog11hasOkButtonEv [qt-mt]
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_ZNK10QTabDialog13hasHelpButtonEv [qt-mt]	_ZNK10QTabDialog14hasApplyButtonEv [qt-mt]
_ZNK10QTabDialog15hasCancelButtonEv [qt-mt]	_ZNK10QTabDialog16hasDefaultButtonEv [qt-mt]
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_ZNK10QTextCodec18heuristicNameMatchEPKc [qt-mt]	_ZNK10QTextCodec20characterFromUnicodeERK7QStringi [qt-mt]
_ZNK10QTextCodec8mimeNameEv [qt-mt]	_ZNK10QTextCodec9canEncodeE5QChar [qt-mt]
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_ZNK10QWorkspace10windowModeEv [qt-mt]	_ZNK10QWorkspace12activeWindowEv [qt-mt]
_ZNK10QWorkspace17scrollBarsEna	_ZNK10QWorkspace8sizeHintEv [qt-

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_ZNK11QDomElement12hasAttributeERK7QString [qt-mt]	_ZNK11QDomElement14hasAttributeNSERK7QStringS2_ [qt-mt]
_ZNK11QDomElement17elementsByTagNameERK7QString [qt-mt]	_ZNK11QDomElement19elementsByTagNameNSERK7QStringS2_ [qt-mt]
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_ZNK11QFileDialog15showHiddenFilesEv [qt-mt]	_ZNK11QFileDialog20isInfoPreviewEnabledEv [qt-mt]
_ZNK11QFileDialog24isContentsPreviewEnabledEv [qt-mt]	_ZNK11QFileDialog3dirEv [qt-mt]

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_ZNK11QMetaObject12findPropertyEPKcb [qt-mt]	_ZNK11QMetaObject12numClassInfoEb [qt-mt]
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_ZNK11QToolButton10popupDelayEv [qt-mt]	_ZNK11QToolButton12textPositionEv [qt-mt]

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_ZNK12QDataBrowser14confirmCancelsEv [qt-mt]	_ZNK12QDataBrowser16boundaryCheckingEv [qt-mt]
_ZNK12QDataBrowser4sortEv [qt-mt]	_ZNK12QDataBrowser6filterEv [qt-mt]
_ZNK12QDataBrowser8autoEditEv [qt-mt]	_ZNK12QDataBrowser9classNameEv [qt-mt]
_ZNK12QDataBrowser9sqlCursorEv [qt-mt]	_ZNK12QDomDocument10isDocumentEv [qt-mt]
_ZNK12QDomDocument14implementationEv [qt-mt]	_ZNK12QDomDocument15documentElementEv [qt-mt]
_ZNK12QDomDocument17elementsByTagNameERK7QString [qt-mt]	_ZNK12QDomDocument7doctypeEv [qt-mt]
_ZNK12QDomDocument8nodeTypeEv [qt-mt]	_ZNK12QDomDocument8toStringEi [qt-mt]
_ZNK12QDomDocument8toStringEv [qt-mt]	_ZNK12QDomDocument9toCStringEi [qt-mt]
_ZNK12QDomDocument9toCStringEv [qt-mt]	_ZNK12QDomNodeList4itemEi [qt-mt]
_ZNK12QDomNodeList6lengthEv [qt-mt]	_ZNK12QDomNodeListeqERKS_ [qt-mt]
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_ZNK12QDomNotation8nodeTypeEv [qt-mt]	_ZNK12QDomNotation8publicIdEv [qt-mt]
_ZNK12QDomNotation8systemIdEv [qt-mt]	_ZNK12QDragManager9classNameEv [qt-mt]
_ZNK12QFontMetrics11leftBearingE5QChar [qt-mt]	_ZNK12QFontMetrics11lineSpacingEv [qt-mt]
_ZNK12QFontMetrics11overlinePosEv [qt-mt]	_ZNK12QFontMetrics12boundingRectE5QChar [qt-mt]
_ZNK12QFontMetrics12boundingRectERK7QStringi [qt-mt]	_ZNK12QFontMetrics12boundingRectEiiiiiRK7QStringiiPiPP10QTextParag [qt-mt]
_ZNK12QFontMetrics12rightBearingE5QChar [qt-mt]	_ZNK12QFontMetrics12strikeOutPosEv [qt-mt]
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_ZNK12QFontMetrics9charWidthERK7QStringi [qt-mt]	_ZNK12QFontMetrics9lineWidthEv [qt-mt]
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_ZNK12QGb2312Codec18heuristicNameMatchEPKc [qt-mt]	_ZNK12QGb2312Codec21heuristicContentMatchEPKci [qt-mt]
_ZNK12QGb2312Codec4nameEv [qt-mt]	_ZNK12QGb2312Codec7mibEnumEv [qt-mt]
_ZNK12QGb2312Codec9toUnicodeEPKci [qt-mt]	_ZNK12QHebrewCodec11fromUnicodeERK7QStringRi [qt-mt]
_ZNK12QHebrewCodec21heuristicContentMatchEPKci [qt-mt]	_ZNK12QHebrewCodec4nameEv [qt-mt]
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_ZNK12QHostAddress9isIp4AddrEv [qt-mt]	_ZNK12QHostAddresseqERKS_ [qt-mt]
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_ZNK12QInputDialog8lineEditEv [qt-mt]	_ZNK12QInputDialog9classNameEv [qt-mt]
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_ZNK12QKeySequence7matchesERK	_ZNK12QKeySequencecv7QStringEv

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_ZNK12QListBoxItem4prevEv [qt-mt]	_ZNK12QListBoxItem4rttiEv [qt-mt]
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_ZNK12QListBoxItem6heightEPK8QListBox [qt-mt]	_ZNK12QListBoxItem6pixmapEv [qt-mt]
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_ZNK12QListBoxText6heightEPK8QListBox [qt-mt]	_ZNK12QPaintDevice10getX11DataEb [qt-mt]
_ZNK12QPaintDevice10resolutionEv [qt-mt]	_ZNK12QPaintDevice15x11RenderHandleEv [qt-mt]
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_ZNK12QProgressBar9classNameEv [qt-mt]	_ZNK12QRadioButton8sizeHintEv [qt-mt]
_ZNK12QRadioButton9classNameEv [qt-mt]	_ZNK12QRadioButton9hitButtonERK6QPoint [qt-mt]
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_ZNK12QSqlDatabase10recordInfoERK9QSqlQuery [qt-mt]	_ZNK12QSqlDatabase11isOpenErrorEv [qt-mt]
_ZNK12QSqlDatabase12databaseNameEv [qt-mt]	_ZNK12QSqlDatabase12primaryIndexERK7QString [qt-mt]
_ZNK12QSqlDatabase14connectOptionsEv [qt-mt]	_ZNK12QSqlDatabase4execERK7QString [qt-mt]
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mt]	mt]
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_ZNK12QSqlDatabase8passwordEv [qt-mt]	_ZNK12QSqlDatabase8userNameEv [qt-mt]
_ZNK12QSqlDatabase9classNameEv [qt-mt]	_ZNK12QSqlDatabase9lastErrorEv [qt-mt]
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_ZNK12QTableHeader11sectionSizeEi [qt-mt]	_ZNK12QTableHeader12sectionStateEi [qt-mt]
_ZNK12QTableHeader20isSectionStretchableEi [qt-mt]	_ZNK12QTableHeader9classNameEv [qt-mt]
_ZNK12QTableHeader9sectionAtEi [qt-mt]	_ZNK12QTextBrowser6sourceEv [qt-mt]
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_ZNK12QUrlOperator4infoERK7QString [qt-mt]	_ZNK12QUrlOperator9classNameEv [qt-mt]
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_ZNK12QWidgetStack8sizeHintEv [qt-mt]	_ZNK12QWidgetStack9classNameEv [qt-mt]
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_ZNK13QCanvasSpline6closedEv [qt-mt]	_ZNK13QCanvasSprite10bottomEdgeEi [qt-mt]
_ZNK13QCanvasSprite10bottomEdgeEv [qt-mt]	_ZNK13QCanvasSprite12boundingRectEv [qt-mt]
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_ZNK13QCanvasSprite5widthEv [qt-mt]	_ZNK13QCanvasSprite6heightEv [qt-mt]
_ZNK13QCanvasSprite7topEdgeEi [qt-mt]	_ZNK13QCanvasSprite7topEdgeEv [qt-mt]
_ZNK13QCanvasSprite8leftEdgeEi [qt-mt]	_ZNK13QCanvasSprite8leftEdgeEv [qt-mt]
_ZNK13QCanvasSprite9rightEdgeEi [qt-mt]	_ZNK13QCanvasSprite9rightEdgeEv [qt-mt]
_ZNK13QDateTimeEdit11autoAdvanceEv [qt-mt]	_ZNK13QDateTimeEdit15minimumSizeHintEv [qt-mt]
_ZNK13QDateTimeEdit8dateTimeEv [qt-mt]	_ZNK13QDateTimeEdit8sizeHintEv [qt-mt]
_ZNK13QDateTimeEdit9classNameEv [qt-mt]	_ZNK13QErrorMessage9classNameEv [qt-mt]
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ZNK13QFontDatabase16isBitmapScalableERK7QStringS2 [qt-mt]	_ZNK13QFontDatabase18isSmoothlyScalableERK7QStringS2_ [qt-mt]
ZNK13QFontDatabase4boldERK7QStringS2 [qt-mt]	_ZNK13QFontDatabase6italicERK7QStringS2_ [qt-mt]
_ZNK13QFontDatabase6stylesERK7QString [qt-mt]	_ZNK13QFontDatabase6weightERK7QStringS2_ [qt-mt]
_ZNK13QFontDatabase8familiesEN5QFont6ScriptE [qt-mt]	_ZNK13QFontDatabase8familiesEv [qt-mt]
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_ZNK13QGb18030Codec4nameEv [qt-mt]	_ZNK13QGb18030Codec7mibEnumEv [qt-mt]
_ZNK13QGb18030Codec9toUnicodeEPKci [qt-mt]	_ZNK13QHButtonGroup9classNameEv [qt-mt]
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ZNK13QIconDragItemeqERKS [qt-mt]	_ZNK13QIconViewItem10acceptDropEPK11QMimeSource [qt-mt]
_ZNK13QIconViewItem10intersectsERK5QRect [qt-mt]	_ZNK13QIconViewItem10isSelectedEv [qt-mt]

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_ZNK13QIconViewItem11dropEnabledEv [qt-mt]	_ZNK13QIconViewItem12isSelectableEv [qt-mt]
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_ZNK13QIconViewItem6pixmapEv [qt-mt]	_ZNK13QIconViewItem7compareEPS_ [qt-mt]
_ZNK13QIconViewItem7pictureEv [qt-mt]	_ZNK13QIconViewItem8containsERK6QPoint [qt-mt]
_ZNK13QIconViewItem8iconViewEv [qt-mt]	_ZNK13QIconViewItem8nextItemEv [qt-mt]
_ZNK13QIconViewItem8prevItemEv [qt-mt]	_ZNK13QIconViewItem8tempTextEv [qt-mt]
_ZNK13QIconViewItem8textRectEb [qt-mt]	_ZNK13QIntValidator8validateER7QStringRi [qt-mt]
_ZNK13QIntValidator9classNameEv [qt-mt]	_ZNK13QListViewItem10acceptDropEPK11QMimeSource [qt-mt]
_ZNK13QListViewItem10firstChildEv [qt-mt]	_ZNK13QListViewItem11dragEnabledEv [qt-mt]
_ZNK13QListViewItem11dropEnabledEv [qt-mt]	_ZNK13QListViewItem11totalHeightEv [qt-mt]
_ZNK13QListViewItem12widthChangedEi [qt-mt]	_ZNK13QListViewItem13renameEnabledEi [qt-mt]
_ZNK13QListViewItem16enforceSortOrderEv [qt-mt]	_ZNK13QListViewItem17multiLinesEnabledEv [qt-mt]
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_ZNK13QListViewItem4textEi [qt-mt]	_ZNK13QListViewItem5depthEv [qt-mt]
_ZNK13QListViewItem5widthERK12QFontMetricsPK9QListViewi [qt-	_ZNK13QListViewItem6heightEv [qt-mt]

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_ZNK13QListViewItem6parentEv [qt-mt]	_ZNK13QListViewItem6pixmapEi [qt-mt]
_ZNK13QListViewItem7compareEPS_ib [qt-mt]	_ZNK13QListViewItem7itemPosEv [qt-mt]
_ZNK13QListViewItem7repaintEv [qt-mt]	_ZNK13QListViewItem8listViewEv [qt-mt]
_ZNK13QListViewItem9isEnabledEv [qt-mt]	_ZNK13QListViewItem9isVisibleEv [qt-mt]
_ZNK13QMetaProperty10designableEP7QObject [qt-mt]	_ZNK13QMetaProperty10isEnumTypeEv [qt-mt]
_ZNK13QMetaProperty10keyToValueEPKc [qt-mt]	_ZNK13QMetaProperty10scriptableEP7QObject [qt-mt]
_ZNK13QMetaProperty10valueToKeyEi [qt-mt]	_ZNK13QMetaProperty11keysToValueERK8QStrList [qt-mt]
_ZNK13QMetaProperty11valueToKeysEi [qt-mt]	_ZNK13QMetaProperty2idEv [qt-mt]
_ZNK13QMetaProperty5resetEP7QObject [qt-mt]	_ZNK13QMetaProperty6stdSetEv [qt-mt]
_ZNK13QMetaProperty6storedEP7QObject [qt-mt]	_ZNK13QMetaProperty7isValidEv [qt-mt]
_ZNK13QMetaProperty8enumKeysEv [qt-mt]	_ZNK13QMetaProperty8writableEv [qt-mt]
_ZNK13QMetaProperty9isSetTypeEv [qt-mt]	_ZNK13QRangeControl17positionFromValueEii [qt-mt]
_ZNK13QRangeControl17valueFromPositionEii [qt-mt]	_ZNK13QRangeControl5boundEi [qt-mt]
_ZNK13QServerSocket2okEv [qt-mt]	_ZNK13QServerSocket4portEv [qt-mt]
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_ZNK13QSocketDevice11waitForMoreEiPb [qt-mt]	_ZNK13QSocketDevice14bytesAvailableEv [qt-mt]
_ZNK13QSocketDevice14sendBufferSizeEv [qt-mt]	_ZNK13QSocketDevice15addressReusableEv [qt-mt]
_ZNK13QSocketDevice17receiveBufferSizeEv [qt-mt]	_ZNK13QSocketDevice2atEv [qt-mt]
_ZNK13QSocketDevice4portEv [qt-	_ZNK13QSocketDevice4sizeEv [qt-

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_ZNK13QSocketDevice5errorEv [qt-mt]	_ZNK13QSocketDevice6optionENS_6OptionE [qt-mt]
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_ZNK13QWidgetPlugin5groupERK7QString [qt-mt]	_ZNK13QWidgetPlugin7iconSetERK7QString [qt-mt]
_ZNK13QWidgetPlugin7toolTipERK7QString [qt-mt]	_ZNK13QWidgetPlugin9classNameEv [qt-mt]
_ZNK13QWidgetPlugin9whatsThisERK7QString [qt-mt]	_ZNK14QCanvasEllipse10areaPointsEv [qt-mt]
_ZNK14QCanvasEllipse12collidesWi	_ZNK14QCanvasEllipse12collidesWi

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_ZNK14QCanvasEllipse4rttiEv [qt-mt]	_ZNK14QCanvasEllipse5widthEv [qt-mt]
_ZNK14QCanvasEllipse6heightEv [qt-mt]	_ZNK14QCanvasPolygon10areaPointsEv [qt-mt]
_ZNK14QCanvasPolygon4rttiEv [qt-mt]	_ZNK14QCanvasPolygon6pointsEv [qt-mt]
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_ZNK14QCheckListItem13internalStateEv [qt-mt]	_ZNK14QCheckListItem4rttiEv [qt-mt]
_ZNK14QCheckListItem5stateEv [qt-mt]	_ZNK14QCheckListItem5widthERK12QFontMetricsPK9QListViewi [qt-mt]
_ZNK14QDesktopWidget10numScreensEv [qt-mt]	_ZNK14QDesktopWidget12screenNumberEP7QWidget [qt-mt]
_ZNK14QDesktopWidget12screenNumberERK6QPoint [qt-mt]	_ZNK14QDesktopWidget13primaryScreenEv [qt-mt]
_ZNK14QDesktopWidget14screenGeometryEi [qt-mt]	_ZNK14QDesktopWidget16isVirtualDesktopEv [qt-mt]
_ZNK14QDesktopWidget17availableGeometryEi [qt-mt]	_ZNK14QDesktopWidget9classNameEv [qt-mt]
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_ZNK14QJpUnicodeConv14asciiToUnicodeEjj [qt-mt]	_ZNK14QJpUnicodeConv14unicodeToAsciiEjj [qt-mt]
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_ZNK14QMultiLineEdit15getMarkedRegionEPiS0_S0_S0_ [qt-mt]	_ZNK14QMultiLineEdit5atEndEv [qt-mt]
_ZNK14QMultiLineEdit6editedEv [qt-mt]	_ZNK14QMultiLineEdit8numLinesEv [qt-mt]
_ZNK14QMultiLineEdit8textLineEi [qt-mt]	_ZNK14QMultiLineEdit9alignmentEv [qt-mt]
_ZNK14QMultiLineEdit9classNameEv [qt-mt]	_ZNK14QSqlRecordInfo4findERK7QString [qt-mt]
_ZNK14QSqlRecordInfo8containsERK7QString [qt-mt]	_ZNK14QSqlRecordInfo8toRecordEv [qt-mt]
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_ZNK14QXmlAttributes6lengthEv [qt-mt]	_ZNK14QXmlAttributes9localNameEi [qt-mt]
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_ZNK15QCheckTableItem4rttiEv [qt-mt]	_ZNK15QCheckTableItem8sizeHintEv [qt-mt]
_ZNK15QCheckTableItem9isCheckedEv [qt-mt]	_ZNK15QComboTableItem10isEditableEv [qt-mt]
_ZNK15QComboTableItem11currentItemEv [qt-mt]	_ZNK15QComboTableItem11currentTextEv [qt-mt]
_ZNK15QComboTableItem12createEditorEv [qt-mt]	_ZNK15QComboTableItem4rttiEv [qt-mt]
_ZNK15QComboTableItem4textEi [qt-mt]	_ZNK15QComboTableItem5countEv [qt-mt]
_ZNK15QComboTableItem8sizeHintEv [qt-mt]	_ZNK15QCustomMenuItem11isSeparatorEv [qt-mt]
_ZNK15QCustomMenuItem8fullSpa	_ZNK15QDockAreaLayout11minimu

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_ZNK15QGCacheIterator12getKeyStringEv [qt-mt]	_ZNK15QGCacheIterator3getEv [qt-mt]
_ZNK15QGCacheIterator5countEv [qt-mt]	_ZNK15QGCacheIterator6atLastEv [qt-mt]
_ZNK15QGCacheIterator7atFirstEv [qt-mt]	_ZNK15QGCacheIterator9getKeyIntEv [qt-mt]
_ZNK15QGPluginManager11featureListEv [qt-mt]	_ZNK15QGPluginManager21queryUnknownInterfaceERK7QStringPP17QUnknownInterface [qt-mt]
_ZNK15QGPluginManager7enabledEv [qt-mt]	_ZNK15QGPluginManager7libraryERK7QString [qt-mt]
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_ZNK15QSimpleRichText6heightEv [qt-mt]	_ZNK15QSimpleRichText6inTextERK6QPoint [qt-mt]

_ZNK15QSimpleRichText7contextEv [qt-mt]	_ZNK15QSimpleRichText8anchorAtERK6QPoint [qt-mt]
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_ZNK16QDomDocumentType14internalSubsetEv [qt-mt]	_ZNK16QDomDocumentType14isDocumentTypeEv [qt-mt]
_ZNK16QDomDocumentType4nameEv [qt-mt]	_ZNK16QDomDocumentType8entitiesEv [qt-mt]
_ZNK16QDomDocumentType8nodeTypeEv [qt-mt]	_ZNK16QDomDocumentType8publicIdEv [qt-mt]
_ZNK16QDomDocumentType8systemIdEv [qt-mt]	_ZNK16QDomDocumentType9notationsEv [qt-mt]
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_ZNK17QDomCharacterData8nodeTypeEv [qt-mt]	_ZNK17QFileIconProvider9classNameEv [qt-mt]
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_ZNK17QNetworkOperation5stateEv [qt-mt]	_ZNK17QNetworkOperation6rawArgEi [qt-mt]
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_ZNK17QNetworkOperation9operationEv [qt-mt]	_ZNK17QtSqlCachedResult8colCountEv [qt-mt]
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_ZNK18QHttpRequestHeader4pathEv [qt-mt]	_ZNK18QHttpRequestHeader6methodEv [qt-mt]
_ZNK18QHttpRequestHeader8toStringEv [qt-mt]	_ZNK18QImageFormatPlugin9classNameEv [qt-mt]
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_ZNK18QMimeSourceFactory4dataERK7QString [qt-mt]	_ZNK18QMimeSourceFactory4dataERK7QStringS2_ [qt-mt]
_ZNK18QMimeSourceFactory8filePathEv [qt-mt]	_ZNK18QSyntaxHighlighter16currentParagraphEv [qt-mt]
_ZNK18QThreadStorageData3getEv [qt-mt]	_ZNK18QTranslatorMessage12commonPrefixERKS_ [qt-mt]
_ZNK18QTranslatorMessage5writeER11QDataStreambNS_6PrefixE [qt-mt]	_ZNK18QTranslatorMessageeqERKS_ [qt-mt]
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_ZNK18QXmlParseException12columnNumberEv [qt-mt]	_ZNK18QXmlParseException7messageEv [qt-mt]

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_ZNK19QDomEntityReference17isEntityReferenceEv [qt-mt]	_ZNK19QDomEntityReference8nodeTypeEv [qt-mt]
_ZNK19QHttpResponseHeader10statusCodeEv [qt-mt]	_ZNK19QHttpResponseHeader12majorVersionEv [qt-mt]
_ZNK19QHttpResponseHeader12minorVersionEv [qt-mt]	_ZNK19QHttpResponseHeader12reasonPhraseEv [qt-mt]
_ZNK19QHttpResponseHeader8toStringEv [qt-mt]	_ZNK20QCanvasPolygonalItem11scanPolygonERK11QPointArrayiR19QPolygonalProcessor [qt-mt]
_ZNK20QCanvasPolygonalItem12boundingRectEv [qt-mt]	_ZNK20QCanvasPolygonalItem12collidesWithEPK11QCanvasItem [qt-mt]
_ZNK20QCanvasPolygonalItem12collidesWithEPK13QCanvasSpritePKS_PK16QCanvasRectanglePK14QCanvasEllipsePK11QCanvasText [qt-mt]	_ZNK20QCanvasPolygonalItem18areaPointsAdvancedEv [qt-mt]
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_ZNK20QCanvasPolygonalItem7windingEv [qt-mt]	_ZNK20QDomDocumentFragment18isDocumentFragmentEv [qt-mt]
_ZNK20QDomDocumentFragment8nodeTypeEv [qt-mt]	_ZNK20QXmlNamespaceSupport11processNameERK7QStringbRS0_S3_ [qt-mt]
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_ZNK20QXmlNamespaceSupport8prefixesERK7QString [qt-mt]	_ZNK20QXmlNamespaceSupport8prefixesEv [qt-mt]
_ZNK20QXmlNamespaceSupport9splitNameERK7QStringRS0_S3_ [qt-mt]	_ZNK21QListViewItemIterator12matchesFlagsEPK13QListViewItem [qt-mt]
_ZNK21QListViewItemIterator1dEv [qt-mt]	_ZNK21QListViewItemIterator7currentEv [qt-mt]
_ZNK21QListViewItemIterator9isCheckedEPK13QListViewItem [qt-mt]	_ZNK21QObjectCleanupHandler7isEmptyEv [qt-mt]
_ZNK21QObjectCleanupHandler9classNameEv [qt-mt]	_ZNK25QDomProcessingInstruction23isProcessingInstructionEv [qt-mt]
_ZNK25QDomProcessingInstruction4dataEv [qt-mt]	_ZNK25QDomProcessingInstruction6targetEv [qt-mt]
_ZNK25QDomProcessingInstruction8nodeTypeEv [qt-mt]	_ZNK4QDir10isReadableEv [qt-mt]
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_ZNK6QImage11smoothScaleEiiNS_9ScaleModeE [qt-mt]	_ZNK6QImage12convertDepthEi [qt-mt]
_ZNK6QImage12convertDepthEii [qt-mt]	_ZNK6QImage13textLanguagesEv [qt-mt]
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_ZNK6QImage19createHeuristicMaskEb [qt-mt]	_ZNK6QImage23convertDepthWithPaletteEiPjii [qt-mt]
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_ZNK6QImage4miscEv [qt-mt]	_ZNK6QImage4saveEP9QIODevicePKci [qt-mt]
_ZNK6QImage4saveERK7QStringPKci [qt-mt]	_ZNK6QImage4textEPKcS1_ [qt-mt]
_ZNK6QImage4textERK17QImageTextKeyLang [qt-mt]	_ZNK6QImage5pixelEii [qt-mt]
_ZNK6QImage5scaleERK5QSizeNS_9ScaleModeE [qt-mt]	_ZNK6QImage5scaleEiiNS_9ScaleModeE [qt-mt]
_ZNK6QImage5validEii [qt-mt]	_ZNK6QImage5xFormERK8QWMatrix [qt-mt]
_ZNK6QImage6mirrorEbb [qt-mt]	_ZNK6QImage6mirrorEv [qt-mt]
_ZNK6QImage7allGrayEv [qt-mt]	_ZNK6QImage7swapRGBEv [qt-mt]
_ZNK6QImage8textKeysEv [qt-mt]	_ZNK6QImage8textListEv [qt-mt]
_ZNK6QImage9doImageIOEP8QImageIOi [qt-mt]	_ZNK6QImageeqERKS_ [qt-mt]
ZNK6QImageneERKS [qt-mt]	_ZNK6QLabel10textFormatEv [qt-mt]
_ZNK6QLabel12sizeForWidthEi [qt-mt]	_ZNK6QLabel14heightForWidthEi [qt-mt]
_ZNK6QLabel15minimumSizeHintEv [qt-mt]	_ZNK6QLabel17hasScaledContentsEv [qt-mt]
_ZNK6QLabel5buddyEv [qt-mt]	_ZNK6QLabel5movieEv [qt-mt]
_ZNK6QLabel8sizeHintEv [qt-mt]	_ZNK6QLabel9classNameEv [qt-mt]
_ZNK6QMovie10frameImageEv [qt-mt]	_ZNK6QMovie11frameNumberEv [qt-mt]
_ZNK6QMovie11framePixmapEv	_ZNK6QMovie12getValidRectEv [qt-

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_ZNK6QMovie6pausedEv [qt-mt]	_ZNK6QMovie7runningEv [qt-mt]
_ZNK6QMovie8finishedEv [qt-mt]	_ZNK6QMovie9pushSpaceEv [qt-mt]
_ZNK6QPoint15manhattanLengthEv [qt-mt]	_ZNK6QSound10isFinishedEv [qt-mt]
_ZNK6QSound14loopsRemainingEv [qt-mt]	_ZNK6QSound5loopsEv [qt-mt]
_ZNK6QSound8fileNameEv [qt-mt]	_ZNK6QSound9classNameEv [qt-mt]
_ZNK6QStyle8drawItemEP8QPainterRK5QRectiRK11QColorGroupbPK7QPixmapRK7QStringiPK6QColor [qt-mt]	_ZNK6QStyle8itemRectEP8QPainterRK5QRectibPK7QPixmapRK7QStringi [qt-mt]
_ZNK6QStyle9classNameEv [qt-mt]	_ZNK6QTable10cellWidgetEii [qt-mt]
_ZNK6QTable10focusStyleEv [qt-mt]	_ZNK6QTable10isReadOnlyEv [qt-mt]
_ZNK6QTable10isSelectedEii [qt-mt]	_ZNK6QTable10isSelectedEiib [qt-mt]
_ZNK6QTable11columnWidthEi [qt-mt]	_ZNK6QTable11currEditColEv [qt-mt]
_ZNK6QTable11currEditRowEv [qt-mt]	_ZNK6QTable11dragEnabledEv [qt-mt]
_ZNK6QTable11isRowHiddenEi [qt-mt]	_ZNK6QTable12cellGeometryEii [qt-mt]
_ZNK6QTable12createEditorEiib [qt-mt]	_ZNK6QTable13isRowReadOnlyEi [qt-mt]
_ZNK6QTable13isRowSelectedEib [qt-mt]	_ZNK6QTable13numSelectionsEv [qt-mt]
_ZNK6QTable13selectionModeEv [qt-mt]	_ZNK6QTable14isColumnHiddenEi [qt-mt]
_ZNK6QTable14verticalHeaderEv [qt-mt]	_ZNK6QTable16currentSelectionEv [qt-mt]
_ZNK6QTable16horizontalHeaderEv [qt-mt]	_ZNK6QTable16isColumnReadOnlyEi [qt-mt]
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_ZNK6QTable4textEii [qt-mt]	_ZNK6QTable5rowAtEi [qt-mt]
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_ZNK6QTable9rowHeightEi [qt-mt]	_ZNK6QTable9selectionEi [qt-mt]
_ZNK6QTable9tableSizeEv [qt-mt]	_ZNK6QTimer9classNameEv [qt-mt]
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_ZNK7QAction9statusTipEv [qt-mt]	_ZNK7QAction9whatsThisEv [qt-mt]
_ZNK7QBitmap5xFormERK8QWMatrix [qt-mt]	_ZNK7QButton17isExclusiveToggleEv [qt-mt]
_ZNK7QButton5accelEv [qt-mt]	_ZNK7QButton5groupEv [qt-mt]
_ZNK7QButton9classNameEv [qt-mt]	_ZNK7QButton9hitButtonERK6QPoint [qt-mt]
_ZNK7QCanvas10collisionsERK11QPointArrayPK11QCanvasItemb [qt-mt]	_ZNK7QCanvas10collisionsERK5QRect [qt-mt]
_ZNK7QCanvas10collisionsERK6QPoint [qt-mt]	_ZNK7QCanvas15backgroundColorEv [qt-mt]
_ZNK7QCanvas15chunkContainingEii [qt-mt]	_ZNK7QCanvas16backgroundPixmapEv [qt-mt]
_ZNK7QCanvas5chunkEii [qt-mt]	_ZNK7QCanvas9classNameEv [qt-mt]
_ZNK7QCursor4maskEv [qt-mt]	_ZNK7QCursor5shapeEv [qt-mt]
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_ZNK7QCursor6updateEv [qt-mt]	_ZNK7QCursor7hotSpotEv [qt-mt]
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_ZNK7QDialog17isSizeGripEnabled Ev [qt-mt]	_ZNK7QDialog7isModalEv [qt-mt]
_ZNK7QDialog8sizeHintEv [qt-mt]	_ZNK7QDialog9classNameEv [qt-mt]
_ZNK7QDialog9extensionEv [qt-mt]	_ZNK7QGArray4findEPKcjj [qt-mt]
_ZNK7QGArray7bsearchEPKcj [qt-mt]	_ZNK7QGArray7isEqualERKS_ [qt-mt]
_ZNK7QGArray8containsEPKcj [qt-mt]	_ZNK7QGCache10find_otherEPKcb [qt-mt]
_ZNK7QGCache10statisticsEv [qt-mt]	_ZNK7QGCache11find_stringERK7 QStringb [qt-mt]
_ZNK7QGCache4sizeEv [qt-mt]	_ZNK7QGCache5countEv [qt-mt]
_ZNK7QHeader10mapToIndexEi [qt-mt]	_ZNK7QHeader10sectionPosEi [qt-mt]
_ZNK7QHeader11headerWidthEv [qt-mt]	_ZNK7QHeader11mapToActualEi [qt-mt]
_ZNK7QHeader11sectionRectEi [qt-mt]	_ZNK7QHeader11sectionSizeEi [qt-mt]
_ZNK7QHeader12mapToLogicalEi [qt-mt]	_ZNK7QHeader12mapToSectionEi [qt-mt]
_ZNK7QHeader14isClickEnabledEi [qt-mt]	_ZNK7QHeader15isMovingEnabled Ev [qt-mt]
_ZNK7QHeader15isResizeEnabledEi [qt-mt]	_ZNK7QHeader15sectionSizeHintEi RK12QFontMetrics [qt-mt]
_ZNK7QHeader16isStretchEnabledEi [qt-mt]	_ZNK7QHeader16isStretchEnabledE v [qt-mt]
_ZNK7QHeader18sortIndicatorOrde rEv [qt-mt]	_ZNK7QHeader20sortIndicatorSectio nEv [qt-mt]
_ZNK7QHeader4pPosEi [qt-mt]	_ZNK7QHeader5countEv [qt-mt]
_ZNK7QHeader5labelEi [qt-mt]	_ZNK7QHeader5pSizeEi [qt-mt]
_ZNK7QHeader6offsetEv [qt-mt]	_ZNK7QHeader7cellPosEi [qt-mt]
_ZNK7QHeader7iconSetEi [qt-mt]	_ZNK7QHeader7reverseEv [qt-mt]
_ZNK7QHeader8sizeHintEv [qt-mt]	_ZNK7QHeader9classNameEv [qt-mt]
_ZNK7QHeader9sectionAtEi [qt-mt]	_ZNK7QLayout10resizeModeEv [qt-mt]
_ZNK7QLayout11maximumSizeEv [qt-mt]	_ZNK7QLayout11minimumSizeEv [qt-mt]
_ZNK7QLayout13alignmentRectERK 5QRect [qt-mt]	_ZNK7QLayout13totalSizeHintEv [qt-mt]

_ZNK7QLayout16totalMaximumSizeEv [qt-mt]	_ZNK7QLayout16totalMinimumSizeEv [qt-mt]
_ZNK7QLayout19totalHeightForWidthEi [qt-mt]	_ZNK7QLayout7isEmptyEv [qt-mt]
_ZNK7QLayout8geometryEv [qt-mt]	_ZNK7QLayout9classNameEv [qt-mt]
_ZNK7QLayout9expandingEv [qt-mt]	_ZNK7QLayout9isEnabledEv [qt-mt]
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_ZNK7QLocale4nameEv [qt-mt]	_ZNK7QLocale5toIntERK7QStringPb [qt-mt]
_ZNK7QLocale6toLongERK7QStringPb [qt-mt]	_ZNK7QLocale6toUIntERK7QStringPb [qt-mt]
_ZNK7QLocale7countryEv [qt-mt]	_ZNK7QLocale7toFloatERK7QStringPb [qt-mt]
_ZNK7QLocale7toShortERK7QStringPb [qt-mt]	_ZNK7QLocale7toULongERK7QStringPb [qt-mt]
_ZNK7QLocale8languageEv [qt-mt]	_ZNK7QLocale8toDoubleERK7QStringPb [qt-mt]
_ZNK7QLocale8toStringEdci [qt-mt]	_ZNK7QLocale8toStringEx [qt-mt]
_ZNK7QLocale8toStringEy [qt-mt]	_ZNK7QLocale8toUShortERK7QStringPb [qt-mt]
_ZNK7QObject3isAEPKc [qt-mt]	_ZNK7QObject4nameEPKc [qt-mt]
_ZNK7QObject4nameEv [qt-mt]	_ZNK7QObject8inheritsEPKc [qt-mt]
_ZNK7QObject8propertyEPKc [qt-mt]	_ZNK7QObject8userDataEj [qt-mt]
_ZNK7QObject9classNameEv [qt-mt]	_ZNK7QObject9queryListEPKcS1_bb [qt-mt]
_ZNK7QObject9receiversEPKc [qt-mt]	_ZNK7QObject9receiversEi [qt-mt]
_ZNK7QPixmap14convertToImageEv [qt-mt]	_ZNK7QPixmap15hasAlphaChannelEv [qt-mt]
_ZNK7QPixmap19createHeuristicMaskEb [qt-mt]	_ZNK7QPixmap4copyEb [qt-mt]
_ZNK7QPixmap4saveEP9QIODevicePKci [qt-mt]	_ZNK7QPixmap4saveERK7QStringPKci [qt-mt]
_ZNK7QPixmap5xFormERK8QWMatrix [qt-mt]	_ZNK7QPixmap6metricEi [qt-mt]
_ZNK7QPixmap8hasAlphaEv [qt-mt]	_ZNK7QPixmap9doImageIOEP8QImageIOi [qt-mt]

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_ZNK7QRegExp10exactMatchERK7QString [qt-mt]	_ZNK7QRegExp11numCapturesEv [qt-mt]
_ZNK7QRegExp13caseSensitiveEv [qt-mt]	_ZNK7QRegExp13matchedLengthEv [qt-mt]
_ZNK7QRegExp13prepareEngineEv [qt-mt]	_ZNK7QRegExp21prepareEngineForMatchERK7QString [qt-mt]
_ZNK7QRegExp5matchERK7QStringiPib [qt-mt]	_ZNK7QRegExp6searchERK7QStringi [qt-mt]
_ZNK7QRegExp6searchERK7QStringiNS_9CaretModeE [qt-mt]	_ZNK7QRegExp7isEmptyEv [qt-mt]
_ZNK7QRegExp7isValidEv [qt-mt]	_ZNK7QRegExp7minimalEv [qt-mt]
_ZNK7QRegExp7patternEv [qt-mt]	_ZNK7QRegExp8wildcardEv [qt-mt]
_ZNK7QRegExp9searchRevERK7QStringi [qt-mt]	_ZNK7QRegExp9searchRevERK7QStringiNS_9CaretModeE [qt-mt]
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_ZNK7QSocket11waitForMoreEiPb [qt-mt]	_ZNK7QSocket12bytesToWriteEv [qt-mt]
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_ZNK7QString18simplifyWhiteSpaceEv [qt-mt]	_ZNK7QString3argE5QChari [qt-mt]
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_ZNK7QString8containsEPKcb [qt-mt]	_ZNK7QString8containsERK7QRegExp [qt-mt]
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_ZNK7QTabBar15minimumSizeHintEv [qt-mt]	_ZNK7QTabBar16keyboardFocusTabEv [qt-mt]
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_ZNK7QWidget14backgroundModeEv [qt-mt]	_ZNK7QWidget14childrenRegionEv [qt-mt]
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_ZNK7QWidget5mapToEPS_RK6QPoint [qt-mt]	_ZNK7QWidget5styleEv [qt-mt]
_ZNK7QWidget6cursorEv [qt-mt]	_ZNK7QWidget6metricEi [qt-mt]
_ZNK7QWidget7captionEv [qt-mt]	_ZNK7QWidget7childAtERK6QPointb [qt-mt]
_ZNK7QWidget7childAtEiib [qt-mt]	_ZNK7QWidget7mapFromEPS_RK6QPoint [qt-mt]
_ZNK7QWidget8autoMaskEv [qt-mt]	_ZNK7QWidget8baseSizeEv [qt-mt]

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_ZNK7QWizard10helpButtonEv [qt-mt]	_ZNK7QWizard10nextButtonEv [qt-mt]
_ZNK7QWizard11appropriateEP7QWidget [qt-mt]	_ZNK7QWizard11currentPageEv [qt-mt]
_ZNK7QWizard12cancelButtonEv [qt-mt]	_ZNK7QWizard12finishButtonEv [qt-mt]
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_ZNK8QCString15stripWhiteSpaceEv [qt-mt]	_ZNK8QCString18simplifyWhiteSpaceEv [qt-mt]
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_ZNK8QCString4findEcib [qt-mt]	_ZNK8QCString4leftEj [qt-mt]
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_ZNK8QCString7findRevEPKcib [qt-mt]	_ZNK8QCString7findRevERK7QRegExpi [qt-mt]
_ZNK8QCString7findRevEcib [qt-mt]	_ZNK8QCString7toFloatEPb [qt-mt]
_ZNK8QCString7toShortEPb [qt-mt]	_ZNK8QCString7toULongEPb [qt-mt]
_ZNK8QCString8containsEPKcb [qt-mt]	_ZNK8QCString8containsERK7QRegExp [qt-mt]
_ZNK8QCString8containsEcb [qt-mt]	_ZNK8QCString8toDoubleEPb [qt-mt]
_ZNK8QCString8toUShortEPb [qt-mt]	_ZNK8QDomAttr12ownerElementEv [qt-mt]
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_ZNK8QDomAttr9specifiedEv [qt-mt]	_ZNK8QDomNode10attributesEv [qt-mt]
_ZNK8QDomNode10childNodesEv [qt-mt]	_ZNK8QDomNode10firstChildEv [qt-mt]
_ZNK8QDomNode10isDocumentEv [qt-mt]	_ZNK8QDomNode10isNotationEv [qt-mt]
_ZNK8QDomNode10parentNodeEv [qt-mt]	_ZNK8QDomNode11isSupportedERK7QStringS2_ [qt-mt]
_ZNK8QDomNode11nextSiblingEv [qt-mt]	_ZNK8QDomNode12namespaceURIEv [qt-mt]
_ZNK8QDomNode13hasAttributesEv [qt-mt]	_ZNK8QDomNode13hasChildNodesEv [qt-mt]
_ZNK8QDomNode13ownerDocumentEv [qt-mt]	_ZNK8QDomNode14isCDATASectionEv [qt-mt]
_ZNK8QDomNode14isDocumentTypeEv [qt-mt]	_ZNK8QDomNode15isCharacterDataEv [qt-mt]
_ZNK8QDomNode15previousSiblingEv [qt-mt]	_ZNK8QDomNode17isEntityReferenceEv [qt-mt]
_ZNK8QDomNode18isDocumentFragmentEv [qt-mt]	_ZNK8QDomNode23isProcessingInstructionEv [qt-mt]
_ZNK8QDomNode4saveER11QTextStreami [qt-mt]	_ZNK8QDomNode6isAttrEv [qt-mt]
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_ZNK8QDomNode8nodeNameEv [qt-mt]	_ZNK8QDomNode8nodeTypeEv [qt-mt]
_ZNK8QDomNode9cloneNodeEb [qt-mt]	_ZNK8QDomNode9isCommentEv [qt-mt]
_ZNK8QDomNode9isElementEv [qt-mt]	_ZNK8QDomNode9lastChildEv [qt-mt]
_ZNK8QDomNode9localNameEv [qt-mt]	_ZNK8QDomNode9namedItemERK7QString [qt-mt]
_ZNK8QDomNode9nodeValueEv [qt-mt]	_ZNK8QDomNodeeqERKS_ [qt-mt]
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_ZNK8QDomText8nodeTypeEv [qt-mt]	_ZNK8QGPlugin9classNameEv [qt-mt]
_ZNK8QGVector11containsRefEPv [qt-mt]	_ZNK8QGVector4findEPvj [qt-mt]

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_ZNK8QGVector5writeER11QDataStream [qt-mt]	_ZNK8QGVector5writeER11QDataStreamPv [qt-mt]
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_ZNK8QGVector7findRefEPvj [qt-mt]	_ZNK8QGVector8containsEPv [qt-mt]
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_ZNK8QIconSet12createScaledENS_4SizeEPK7QPixmap [qt-mt]	_ZNK8QIconSet14createDisabledENS_4SizeENS_5StateE [qt-mt]
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_ZNK8QIconSet6pixmapENS_4SizeEbNS_5StateE [qt-mt]	_ZNK8QIconSet6pixmapEv [qt-mt]
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_ZNK8QImageIO7qualityEv [qt-mt]	_ZNK8QLibrary10autoUnloadEv [qt-mt]
_ZNK8QLibrary7libraryEv [qt-mt]	_ZNK8QLibrary8isLoadedEv [qt-mt]
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_ZNK8QListBox10itemHeightEi [qt-mt]	_ZNK8QListBox10numColumnsEv [qt-mt]
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_ZNK8QLocalFs9classNameEv [qt-mt]	_ZNK8QMenuBar11isDefaultUpEv [qt-mt]
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_ZNK8QMenuBar8sizeHintEv [qt-mt]	_ZNK8QMenuBar9classNameEv [qt-mt]
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_ZNK8QPainter5xFormERK6QPoint [qt-mt]	_ZNK8QPainter6mapInvEiiPiS0_ [qt-mt]
_ZNK8QPainter6mapInvEiiiiPiS0_S0_S0_ [qt-mt]	_ZNK8QPainter6windowEv [qt-mt]
_ZNK8QPainter8fontInfoEv [qt-mt]	_ZNK8QPainter8viewportEv [qt-mt]
_ZNK8QPainter8xFormDevERK11QPointArray [qt-mt]	_ZNK8QPainter8xFormDevERK11QPointArrayii [qt-mt]
_ZNK8QPainter8xFormDevERK5QRect [qt-mt]	_ZNK8QPainter8xFormDevERK6QPoint [qt-mt]
_ZNK8QPalette11directBrushENS_10ColorGroupEN11QColorGroup9Colo	_ZNK8QPalette4copyEv [qt-mt]

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_ZNK8QPicture4copyEv [qt-mt]	_ZNK8QPicture6metricEi [qt-mt]
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_ZNK8QPrinter11paperSourceEv [qt-mt]	_ZNK8QPrinter22printerSelectionOptionEv [qt-mt]
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_ZNK8QProcess9classNameEv [qt-mt]	_ZNK8QProcess9isRunningEv [qt-mt]
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_ZNK8QToolBox11itemToolTipEi [qt-mt]	_ZNK8QToolBox12currentIndexEv [qt-mt]
_ZNK8QToolBox13isItemEnabledEi [qt-mt]	_ZNK8QToolBox4itemEi [qt-mt]
_ZNK8QToolBox5countEv [qt-mt]	_ZNK8QToolBox7indexOfEP7QWidget [qt-mt]
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_ZNK8QUriDrag9classNameEv [qt-mt]	_ZNK8QUrlInfo10isReadableEv [qt-mt]
_ZNK8QUrlInfo10isWritableEv [qt-mt]	_ZNK8QUrlInfo11permissionsEv [qt-mt]
_ZNK8QUrlInfo12isExecutableEv [qt-mt]	_ZNK8QUrlInfo12lastModifiedEv [qt-mt]
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_ZNK8QUrlInfo5ownerEv [qt-mt]	_ZNK8QUrlInfo6isFileEv [qt-mt]
_ZNK8QUrlInfo7isValidEv [qt-mt]	_ZNK8QUrlInfo8lastReadEv [qt-mt]
_ZNK8QUrlInfo9isSymLinkEv [qt-mt]	_ZNK8QUrlInfoeqERKS_ [qt-mt]
_ZNK8QVariant10toBitArrayEv [qt-mt]	_ZNK8QVariant10toDateTimeEv [qt-mt]
_ZNK8QVariant10toLongLongEPb [qt-mt]	_ZNK8QVariant11toByteArrayEv [qt-mt]
_ZNK8QVariant11toULongLongEPb [qt-mt]	_ZNK8QVariant12toColorGroupEv [qt-mt]
_ZNK8QVariant12toPointArrayEv	_ZNK8QVariant12toSizePolicyEv

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_ZNK8QVariant12toStringListEv [qt-mt]	_ZNK8QVariant13toKeySequenceEv [qt-mt]
_ZNK8QVariant4saveER11QDataStream [qt-mt]	_ZNK8QVariant5toIntEPb [qt-mt]
_ZNK8QVariant5toMapEv [qt-mt]	_ZNK8QVariant5toPenEv [qt-mt]
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_ZNK8QVariant6toDateEv [qt-mt]	_ZNK8QVariant6toFontEv [qt-mt]
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_ZNK8QVariant6toSizeEv [qt-mt]	_ZNK8QVariant6toTimeEv [qt-mt]
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_ZNK8QVariant7toBrushEv [qt-mt]	_ZNK8QVariant7toColorEv [qt-mt]
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_ZNK8QWMatrix6invertEPb [qt-mt]	_ZNK8QWMatrix7mapRectERK5QRect [qt-mt]
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_ZNK9QComboBox6pixmapEi [qt-mt]	_ZNK9QComboBox7listBoxEv [qt-mt]
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_ZNK9QComboBox9validatorEv [qt-mt]	_ZNK9QDataPump9classNameEv [qt-mt]
_ZNK9QDataView9classNameEv [qt-mt]	_ZNK9QDateEdit10outOfRangeEiii [qt-mt]
_ZNK9QDateEdit11autoAdvanceEv [qt-mt]	_ZNK9QDateEdit11sectionTextEi [qt-mt]
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_ZNK9QDateTime9addMonthsEi	_ZNK9QDateTimeeqERKS_ [qt-mt]

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_ZNK9QFileInfo10isRelativeEv [qt-mt]	_ZNK9QFileInfo10isWritableEv [qt-mt]
_ZNK9QFileInfo10permissionEi [qt-mt]	_ZNK9QFileInfo11absFilePathEv [qt-mt]
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_ZNK9QIconView11autoArrangeEv [qt-mt]	_ZNK9QIconView11calcGridNumEii [qt-mt]
_ZNK9QIconView11currentItemEv [qt-mt]	_ZNK9QIconView11itemTextPosEv [qt-mt]
_ZNK9QIconView12itemsMovableEv [qt-mt]	_ZNK9QIconView12maxItemWidthEv [qt-mt]
_ZNK9QIconView12showToolTipsEv [qt-mt]	_ZNK9QIconView13neighbourItemENS_9DirectionERK6QPointPK13QIconViewItem [qt-mt]
_ZNK9QIconView13selectionModeEv [qt-mt]	_ZNK9QIconView13sortDirectionEv [qt-mt]

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_ZNK9QIconView15minimumSizeHintEv [qt-mt]	_ZNK9QIconView16wordWrapIconTextEv [qt-mt]
_ZNK9QIconView17maxItemTextLengthEv [qt-mt]	_ZNK9QIconView18itemTextBackgroundEv [qt-mt]
_ZNK9QIconView19findLastVisibleItemERK5QRect [qt-mt]	_ZNK9QIconView20findFirstVisibleItemERK5QRect [qt-mt]
_ZNK9QIconView4maskEP7QPixmap [qt-mt]	_ZNK9QIconView5countEv [qt-mt]
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_ZNK9QIconView7spacingEv [qt-mt]	_ZNK9QIconView8findItemENS_9DirectionERK6QPointRK5QRect [qt-mt]
_ZNK9QIconView8findItemERK6QPoint [qt-mt]	_ZNK9QIconView8findItemERK7QStringj [qt-mt]
_ZNK9QIconView8lastItemEv [qt-mt]	_ZNK9QIconView8rowBeginEP13QIconViewItem [qt-mt]
_ZNK9QIconView8sizeHintEv [qt-mt]	_ZNK9QIconView9classNameEv [qt-mt]
_ZNK9QIconView9firstItemEv [qt-mt]	_ZNK9QJisCodec11fromUnicodeERK7QStringRi [qt-mt]
_ZNK9QJisCodec11makeDecoderEv [qt-mt]	_ZNK9QJisCodec18heuristicNameMatchEPKc [qt-mt]
_ZNK9QJisCodec21heuristicContentMatchEPKci [qt-mt]	_ZNK9QJisCodec4nameEv [qt-mt]
_ZNK9QJisCodec7mibEnumEv [qt-mt]	_ZNK9QJisCodec8mimeNameEv [qt-mt]
_ZNK9QJisCodec9toUnicodeEPKci [qt-mt]	_ZNK9QKeyEvent10stateAfterEv [qt-mt]
_ZNK9QLineEdit10isModifiedEv [qt-mt]	_ZNK9QLineEdit10isReadOnlyEv [qt-mt]
_ZNK9QLineEdit11characterAtEiP5QChar [qt-mt]	_ZNK9QLineEdit11displayTextEv [qt-mt]
_ZNK9QLineEdit11dragEnabledEv [qt-mt]	_ZNK9QLineEdit12passwordCharEv [qt-mt]
_ZNK9QLineEdit12selectedTextEv [qt-mt]	_ZNK9QLineEdit14cursorPositionEv [qt-mt]
_ZNK9QLineEdit14selectionStartEv [qt-mt]	_ZNK9QLineEdit15hasSelectedTextEv [qt-mt]
_ZNK9QLineEdit15isRedoAvailableEv [qt-mt]	_ZNK9QLineEdit15isUndoAvailableEv [qt-mt]
_ZNK9QLineEdit15minimumSizeHi	_ZNK9QLineEdit18hasAcceptableIn

ntEv [qt-mt]	putEv [qt-mt]
_ZNK9QLineEdit4copyEv [qt-mt]	_ZNK9QLineEdit4textEv [qt-mt]
_ZNK9QLineEdit5frameEv [qt-mt]	_ZNK9QLineEdit6editedEv [qt-mt]
_ZNK9QLineEdit8echoModeEv [qt-mt]	_ZNK9QLineEdit8sizeHintEv [qt-mt]
_ZNK9QLineEdit9alignmentEv [qt-mt]	_ZNK9QLineEdit9classNameEv [qt-mt]
_ZNK9QLineEdit9inputMaskEv [qt-mt]	_ZNK9QLineEdit9maxLengthEv [qt-mt]
_ZNK9QLineEdit9validatorEv [qt-mt]	_ZNK9QListView10childCountEv [qt-mt]
_ZNK9QListView10columnTextEi [qt-mt]	_ZNK9QListView10firstChildEv [qt-mt]
_ZNK9QListView10isRenamingEv [qt-mt]	_ZNK9QListView10isSelectedEPK13QListViewItem [qt-mt]
_ZNK9QListView10itemMarginEv [qt-mt]	_ZNK9QListView10resizeModeEv [qt-mt]
_ZNK9QListView10sortColumnEv [qt-mt]	_ZNK9QListView11columnWidthEi [qt-mt]
_ZNK9QListView11currentItemEv [qt-mt]	_ZNK9QListView11repaintItemEPK13QListViewItem [qt-mt]
_ZNK9QListView12selectedItemEv [qt-mt]	_ZNK9QListView12showToolTipsEv [qt-mt]
_ZNK9QListView12treeStepSizeEv [qt-mt]	_ZNK9QListView13selectionModeEv [qt-mt]
_ZNK9QListView15columnAlignmentEi [qt-mt]	_ZNK9QListView15columnWidthModeEi [qt-mt]
_ZNK9QListView15minimumSizeHintEv [qt-mt]	_ZNK9QListView15rootIsDecoratedEv [qt-mt]
_ZNK9QListView16isMultiSelectionEv [qt-mt]	_ZNK9QListView17buildDrawableListEv [qt-mt]
_ZNK9QListView17showSortIndicatorEv [qt-mt]	_ZNK9QListView19allColumnsShowFocusEv [qt-mt]
_ZNK9QListView19defaultRenameActionEv [qt-mt]	_ZNK9QListView6headerEv [qt-mt]
_ZNK9QListView6isOpenEPK13QListViewItem [qt-mt]	_ZNK9QListView6itemAtERK6QPoint [qt-mt]
_ZNK9QListView7columnsEv [qt-mt]	_ZNK9QListView8findItemERK7QStringij [qt-mt]
_ZNK9QListView8itemRectEPK13QListViewItem [qt-mt]	_ZNK9QListView8lastItemEv [qt-mt]
_ZNK9QListView8sizeHintEv [qt-	_ZNK9QListView9classNameEv [qt-

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mt]	mt]
_ZNK9QListView9sortOrderEv [qt-mt]	_ZNK9QMenuData12isItemActiveEi [qt-mt]
_ZNK9QMenuData13isItemCheckedEi [qt-mt]	_ZNK9QMenuData13isItemEnabledEi [qt-mt]
_ZNK9QMenuData13isItemVisibleEi [qt-mt]	_ZNK9QMenuData13itemParameterEi [qt-mt]
_ZNK9QMenuData4idAtEi [qt-mt]	_ZNK9QMenuData4textEi [qt-mt]
_ZNK9QMenuData5accelEi [qt-mt]	_ZNK9QMenuData5countEv [qt-mt]
_ZNK9QMenuData6pixmapEi [qt-mt]	_ZNK9QMenuData7iconSetEi [qt-mt]
_ZNK9QMenuData7indexOfEi [qt-mt]	_ZNK9QMenuData8findItemEi [qt-mt]
ZNK9QMenuData8findItemEiPPS [qt-mt]	_ZNK9QMenuData9whatsThisEi [qt-mt]
_ZNK9QMenuItem6customEv [qt-mt]	_ZNK9QSettings10subkeyListERK7QString [qt-mt]
_ZNK9QSettings5groupEv [qt-mt]	_ZNK9QSettings9entryListERK7QString [qt-mt]
_ZNK9QSizeGrip8sizeHintEv [qt-mt]	_ZNK9QSizeGrip9classNameEv [qt-mt]
_ZNK9QSplitter11handleWidthEv [qt-mt]	_ZNK9QSplitter12opaqueResizeEv [qt-mt]
_ZNK9QSplitter15minimumSizeHintEv [qt-mt]	_ZNK9QSplitter19childrenCollapsibleEv [qt-mt]
_ZNK9QSplitter5sizesEv [qt-mt]	_ZNK9QSplitter7idAfterEP7QWidget [qt-mt]
_ZNK9QSplitter8sizeHintEv [qt-mt]	_ZNK9QSplitter9classNameEv [qt-mt]
_ZNK9QSqlError10driverTextEv [qt-mt]	_ZNK9QSqlError11showMessageERK7QString [qt-mt]
_ZNK9QSqlError12databaseTextEv [qt-mt]	_ZNK9QSqlError4textEv [qt-mt]
_ZNK9QSqlError4typeEv [qt-mt]	_ZNK9QSqlError6numberEv [qt-mt]
ZNK9QSqlFieldeqERKS [qt-mt]	_ZNK9QSqlIndex11createFieldEiRK7QStringb [qt-mt]
_ZNK9QSqlIndex12isDescendingEi [qt-mt]	_ZNK9QSqlIndex12toStringListERK7QStringb [qt-mt]
_ZNK9QSqlIndex8toStringERK7QStringS2_b [qt-mt]	_ZNK9QSqlQuery10boundValueERK7QString [qt-mt]
_ZNK9QSqlQuery10boundValueEi	_ZNK9QSqlQuery11boundValuesEv

[qt-mt]	[qt-mt]
_ZNK9QSqlQuery13executedQueryEv [qt-mt]	_ZNK9QSqlQuery13isForwardOnlyEv [qt-mt]
_ZNK9QSqlQuery15numRowsAffectedEv [qt-mt]	_ZNK9QSqlQuery2atEv [qt-mt]
_ZNK9QSqlQuery4sizeEv [qt-mt]	_ZNK9QSqlQuery5valueEi [qt-mt]
_ZNK9QSqlQuery6driverEv [qt-mt]	_ZNK9QSqlQuery6isNullEi [qt-mt]
_ZNK9QSqlQuery6resultEv [qt-mt]	_ZNK9QSqlQuery7isValidEv [qt-mt]
_ZNK9QSqlQuery8isActiveEv [qt-mt]	_ZNK9QSqlQuery8isSelectEv [qt-mt]
_ZNK9QSqlQuery9lastErrorEv [qt-mt]	_ZNK9QSqlQuery9lastQueryEv [qt-mt]
_ZNK9QTextDrag11encodedDataEPKc [qt-mt]	_ZNK9QTextDrag6formatEi [qt-mt]
_ZNK9QTextDrag9classNameEv [qt-mt]	_ZNK9QTextEdit10dragObjectEP7QWidget [qt-mt]
_ZNK9QTextEdit10isModifiedEv [qt-mt]	_ZNK9QTextEdit10paragraphsEv [qt-mt]
_ZNK9QTextEdit10styleSheetEv [qt-mt]	_ZNK9QTextEdit10textFormatEv [qt-mt]
_ZNK9QTextEdit10wrapPolicyEv [qt-mt]	_ZNK9QTextEdit11currentFontEv [qt-mt]
_ZNK9QTextEdit11paragraphAtERK6QPoint [qt-mt]	_ZNK9QTextEdit12UndoRedoInfo5validEv [qt-mt]
_ZNK9QTextEdit12getSelectionEPiS0_S0_S0_i [qt-mt]	_ZNK9QTextEdit12selectedTextEv [qt-mt]
_ZNK9QTextEdit12tabStopWidthEv [qt-mt]	_ZNK9QTextEdit13documentTitleEv [qt-mt]
_ZNK9QTextEdit13linkUnderlineEv [qt-mt]	_ZNK9QTextEdit13paragraphRectEi [qt-mt]
_ZNK9QTextEdit14autoFormattingEv [qt-mt]	_ZNK9QTextEdit14heightForWidthEi [qt-mt]
_ZNK9QTextEdit14optimCharIndexERK7QStringi [qt-mt]	_ZNK9QTextEdit15hasSelectedTextEv [qt-mt]
_ZNK9QTextEdit15isRedoAvailableEv [qt-mt]	_ZNK9QTextEdit15isUndoAvailableEv [qt-mt]
_ZNK9QTextEdit15paragraphLengthEi [qt-mt]	_ZNK9QTextEdit15tabChangesFocusEv [qt-mt]
_ZNK9QTextEdit16linesOfParagraphEi [qt-mt]	_ZNK9QTextEdit17getCursorPositionEPiS0_ [qt-mt]
_ZNK9QTextEdit17isUndoRedoEnab	_ZNK9QTextEdit17mimeSourceFact

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ledEv [qt-mt]	oryEv [qt-mt]
_ZNK9QTextEdit17optimHasSelectionEv [qt-mt]	_ZNK9QTextEdit17optimSelectedTextEv [qt-mt]
_ZNK9QTextEdit17syntaxHighlighterEv [qt-mt]	_ZNK9QTextEdit17wrapColumnOrWidthEv [qt-mt]
_ZNK9QTextEdit24paragraphBackgroundColorEi [qt-mt]	_ZNK9QTextEdit4boldEv [qt-mt]
_ZNK9QTextEdit4fontEv [qt-mt]	_ZNK9QTextEdit4textEi [qt-mt]
_ZNK9QTextEdit4textEv [qt-mt]	_ZNK9QTextEdit5colorEv [qt-mt]
_ZNK9QTextEdit5linesEv [qt-mt]	_ZNK9QTextEdit5paperEv [qt-mt]
_ZNK9QTextEdit6charAtERK6QPointPi [qt-mt]	_ZNK9QTextEdit6familyEv [qt-mt]
_ZNK9QTextEdit6italicEv [qt-mt]	_ZNK9QTextEdit6lengthEv [qt-mt]
_ZNK9QTextEdit7contextEv [qt-mt]	_ZNK9QTextEdit8sizeHintEv [qt-mt]
_ZNK9QTextEdit8wordWrapEv [qt-mt]	_ZNK9QTextEdit9alignmentEv [qt-mt]
_ZNK9QTextEdit9classNameEv [qt-mt]	_ZNK9QTextEdit9optimTextEv [qt-mt]
_ZNK9QTextEdit9pointSizeEv [qt-mt]	_ZNK9QTextEdit9underlineEv [qt-mt]
_ZNK9QTextEdit9undoDepthEv [qt-mt]	_ZNK9QTextView9classNameEv [qt-mt]
_ZNK9QTimeEdit10outOfRangeEiii [qt-mt]	_ZNK9QTimeEdit11autoAdvanceEv [qt-mt]
_ZNK9QTimeEdit15minimumSizeHintEv [qt-mt]	_ZNK9QTimeEdit4timeEv [qt-mt]
_ZNK9QTimeEdit7displayEv [qt-mt]	_ZNK9QTimeEdit8maxValueEv [qt-mt]
_ZNK9QTimeEdit8minValueEv [qt-mt]	_ZNK9QTimeEdit8sizeHintEv [qt-mt]
_ZNK9QTimeEdit9classNameEv [qt-mt]	_ZNK9QTimeEdit9separatorEv [qt-mt]
ZanRK9QBitArrayS1 [qt-mt]	_ZeoRK9QBitArrayS1_ [qt-mt]
_ZeqPKcRK7QString [qt-mt]	_ZeqRK5QRectS1_ [qt-mt]
_ZeqRK7QStringPKc [qt-mt]	_ZeqRK7QStringS1_ [qt-mt]
ZeqRK9QGLFormatS1 [qt-mt]	_ZgePKcRK7QString [qt-mt]
_ZgeRK7QStringPKc [qt-mt]	_ZgeRK7QStringS1_ [qt-mt]
_ZgtRK7QStringPKc [qt-mt]	_ZgtRK7QStringS1_ [qt-mt]
_ZlePKcRK7QString [qt-mt]	_ZleRK7QStringPKc [qt-mt]

ZleRK7QStringS1 [qt-mt]	_ZlsR11QDataStreamN8QVariant4TypeE [qt-mt]
_ZlsR11QDataStreamRK11QColorGroup [qt-mt]	_ZlsR11QDataStreamRK11QPointArray [qt-mt]
_ZlsR11QDataStreamRK11QStringList [qt-mt]	_ZlsR11QDataStreamRK12QKeySequence [qt-mt]
_ZlsR11QDataStreamRK4QPen [qt-mt]	_ZlsR11QDataStreamRK5QDate [qt-mt]
_ZlsR11QDataStreamRK5QFont [qt-mt]	_ZlsR11QDataStreamRK5QRect [qt-mt]
_ZlsR11QDataStreamRK5QSize [qt-mt]	_ZlsR11QDataStreamRK5QTime [qt-mt]
_ZlsR11QDataStreamRK5QUuid [qt-mt]	_ZlsR11QDataStreamRK6QBrush [qt-mt]
_ZlsR11QDataStreamRK6QColor [qt-mt]	_ZlsR11QDataStreamRK6QGList [qt-mt]
_ZlsR11QDataStreamRK6QImage [qt-mt]	_ZlsR11QDataStreamRK6QPoint [qt-mt]
_ZlsR11QDataStreamRK7QCursor [qt-mt]	_ZlsR11QDataStreamRK7QPixmap [qt-mt]
_ZlsR11QDataStreamRK7QRegion [qt-mt]	_ZlsR11QDataStreamRK7QString [qt-mt]
_ZlsR11QDataStreamRK8QCString [qt-mt]	_ZlsR11QDataStreamRK8QGVector [qt-mt]
_ZlsR11QDataStreamRK8QPalette [qt-mt]	_ZlsR11QDataStreamRK8QPicture [qt-mt]
_ZlsR11QDataStreamRK8QVariant [qt-mt]	_ZlsR11QDataStreamRK8QWMatrix [qt-mt]
_ZlsR11QDataStreamRK9QBitArray [qt-mt]	_ZlsR11QDataStreamRK9QDateTime [qt-mt]
_ZlsR11QDataStreamRK9QMemArrayIcE [qt-mt]	_ZlsR11QTextStreamRK11QMainWindow [qt-mt]
_ZlsR11QTextStreamRK8QDomNode [qt-mt]	_ZlsR11QTextStreamRK9QDockArea [qt-mt]
_ZlsR11QTextStreamRK9QSplitter [qt-mt]	_ZltPKcRK7QString [qt-mt]
_ZltRK7QStringPKc [qt-mt]	_ZltRK7QStringS1_ [qt-mt]
ZmlRK8QWMatrixS1 [qt-mt]	_ZnePKcRK7QString [qt-mt]
ZneRK5QRectS1 [qt-mt]	_ZneRK7QStringPKc [qt-mt]
ZneRK7QStringS1 [qt-mt]	_ZneRK9QGLFormatS1_ [qt-mt]
ZorRK9QBitArrayS1 [qt-mt]	_ZrsR11QDataStreamR11QColorGro

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	up [qt-mt]
_ZrsR11QDataStreamR11QPointArray [qt-mt]	_ZrsR11QDataStreamR11QStringList [qt-mt]
_ZrsR11QDataStreamR12QKeySequence [qt-mt]	_ZrsR11QDataStreamR4QPen [qt-mt]
_ZrsR11QDataStreamR5QDate [qt-mt]	_ZrsR11QDataStreamR5QFont [qt-mt]
_ZrsR11QDataStreamR5QRect [qt-mt]	_ZrsR11QDataStreamR5QSize [qt-mt]
_ZrsR11QDataStreamR5QTime [qt-mt]	_ZrsR11QDataStreamR5QUuid [qt-mt]
_ZrsR11QDataStreamR6QBrush [qt-mt]	_ZrsR11QDataStreamR6QColor [qt-mt]
_ZrsR11QDataStreamR6QGList [qt-mt]	_ZrsR11QDataStreamR6QImage [qt-mt]
_ZrsR11QDataStreamR6QPoint [qt-mt]	_ZrsR11QDataStreamR7QCursor [qt-mt]
_ZrsR11QDataStreamR7QPixmap [qt-mt]	_ZrsR11QDataStreamR7QRegion [qt-mt]
_ZrsR11QDataStreamR7QString [qt-mt]	_ZrsR11QDataStreamR8QCString [qt-mt]
_ZrsR11QDataStreamR8QGVector [qt-mt]	_ZrsR11QDataStreamR8QPalette [qt-mt]
_ZrsR11QDataStreamR8QPicture [qt-mt]	_ZrsR11QDataStreamR8QVariant [qt-mt]
_ZrsR11QDataStreamR8QWMatrix [qt-mt]	_ZrsR11QDataStreamR9QBitArray [qt-mt]
_ZrsR11QDataStreamR9QDateTime [qt-mt]	_ZrsR11QDataStreamR9QMemArrayIcE [qt-mt]
_ZrsR11QDataStreamRN8QVariant4TypeE [qt-mt]	_ZrsR11QTextStreamR11QMainWindow [qt-mt]
_ZrsR11QTextStreamR9QDockArea [qt-mt]	_ZrsR11QTextStreamR9QSplitter [qt-mt]

An LSB conforming implementation shall provide the generic data interfaces for Qt specified in Table 13-601, with the full mandatory functionality as described in the referenced underlying specification.

Table 13-601 libqt-mt - Qt Data Interfaces

TID_QUType_Null [qt-mt]	TID_QUType_bool [qt-mt]
TID_QUType_charstar [qt-mt]	TID_QUType_double [qt-mt]
TID_QUType_enum [qt-mt]	TID_QUType_idisp [qt-mt]

TID_QUType_iface [qt-mt]	TID_QUType_int [qt-mt]
TID_QUType_ptr [qt-mt]	TID_QUType_varptr [qt-mt]
_ZN10QBoxLayout7metaObjE [qt-mt]	_ZN10QClipboard7metaObjE [qt-mt]
_ZN10QColorDrag7metaObjE [qt-mt]	_ZN10QDataTable7metaObjE [qt-mt]
_ZN10QEventLoop7metaObjE [qt-mt]	_ZN10QGLContext10currentCtxE [qt-mt]
_ZN10QHGroupBox7metaObjE [qt-mt]	_ZN10QImageDrag7metaObjE [qt-mt]
_ZN10QLCDNumber7metaObjE [qt-mt]	_ZN10QPopupMenu7metaObjE [qt-mt]
_ZN10QScrollBar7metaObjE [qt-mt]	_ZN10QSemiModal7metaObjE [qt-mt]
_ZN10QSqlDriver7metaObjE [qt-mt]	_ZN10QStatusBar7metaObjE [qt-mt]
_ZN10QTabDialog7metaObjE [qt-mt]	_ZN10QTabWidget7metaObjE [qt-mt]
_ZN10QTableItem4RTTIE [qt-mt]	_ZN10QTextCodec4cfcsE [qt-mt]
_ZN10QTextCodec4cftrE [qt-mt]	_ZN10QVGroupBox7metaObjE [qt-mt]
_ZN10QValidator7metaObjE [qt-mt]	_ZN10QWorkspace7metaObjE [qt-mt]
_ZN11QCanvasItem4RTTIE [qt-mt]	_ZN11QCanvasLine4RTTIE [qt-mt]
_ZN11QCanvasText4RTTIE [qt-mt]	_ZN11QCanvasView7metaObjE [qt-mt]
_ZN11QDockWindow7metaObjE [qt-mt]	_ZN11QDragObject7metaObjE [qt-mt]
_ZN11QFileDialog7metaObjE [qt-mt]	_ZN11QFocusEvent11prev_reasonE [qt-mt]
_ZN11QFocusEvent8m_reasonE [qt-mt]	_ZN11QFontDialog7metaObjE [qt-mt]
_ZN11QGridLayout7metaObjE [qt-mt]	_ZN11QHBoxLayout7metaObjE [qt-mt]
_ZN11QMainWindow7metaObjE [qt-mt]	_ZN11QMessageBox7metaObjE [qt-mt]
_ZN11QPointArray2spE [qt-mt]	_ZN11QPointArray5splenE [qt-mt]
_ZN11QPushButton7metaObjE [qt-mt]	_ZN11QScrollView7metaObjE [qt-mt]
_ZN11QSpinWidget7metaObjE [qt-mt]	_ZN11QStoredDrag7metaObjE [qt-mt]
_ZN11QStyleSheet7metaObjE [qt-mt]	_ZN11QToolButton7metaObjE [qt-

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	mt]
_ZN11QTranslator7metaObjE [qt-mt]	_ZN11QVBoxLayout7metaObjE [qt-mt]
_ZN12QActionGroup7metaObjE [qt-mt]	_ZN12QApplication10animate_uiE [qt-mt]
_ZN12QApplication10app_cursorE [qt-mt]	_ZN12QApplication10loop_levelE [qt-mt]
_ZN12QApplication11main_widgetE [qt-mt]	_ZN12QApplication11session_keyE [qt-mt]
_ZN12QApplication11widgetCountE [qt-mt]	_ZN12QApplication12animate_menuE [qt-mt]
_ZN12QApplication12app_libpathsE [qt-mt]	_ZN12QApplication12app_palettesE [qt-mt]
_ZN12QApplication12app_trackingE [qt-mt]	_ZN12QApplication12fade_tooltipE [qt-mt]
_ZN12QApplication12focus_widgetE [qt-mt]	_ZN12QApplication12popupWidgetsE [qt-mt]
_ZN12QApplication13active_windowE [qt-mt]	_ZN12QApplication13animate_comboE [qt-mt]
_ZN12QApplication14is_app_closingE [qt-mt]	_ZN12QApplication14is_app_runningE [qt-mt]
_ZN12QApplication15animate_toolboxE [qt-mt]	_ZN12QApplication15animate_tooltipE [qt-mt]
_ZN12QApplication15composedUnicodeE [qt-mt]	_ZN12QApplication17cursor_flash_timeE [qt-mt]
_ZN12QApplication18metaComposeUnicodeE [qt-mt]	_ZN12QApplication18wheel_scroll_linesE [qt-mt]
_ZN12QApplication21obey_desktop_settingsE [qt-mt]	_ZN12QApplication23mouse_double_click_timeE [qt-mt]
_ZN12QApplication7app_palE [qt-mt]	_ZN12QApplication7metaObjE [qt-mt]
_ZN12QApplication8app_fontE [qt-mt]	_ZN12QApplication8qt_mutexE [qt-mt]
_ZN12QApplication9app_cspecE [qt-mt]	_ZN12QApplication9app_fontsE [qt-mt]
_ZN12QApplication9app_strutE [qt-mt]	_ZN12QApplication9app_styleE [qt-mt]
_ZN12QApplication9eventloopE [qt-mt]	_ZN12QApplication9fade_menuE [qt-mt]
_ZN12QButtonGroup7metaObjE [qt-mt]	_ZN12QColorDialog7metaObjE [qt-mt]
_ZN12QCommonStyle7metaObjE	_ZN12QDataBrowser7metaObjE [qt-

[qt-mt]	mt]
_ZN12QDragManager7metaObjE [qt-mt]	_ZN12QInputDialog7metaObjE [qt-mt]
_ZN12QListBoxItem4RTTIE [qt-mt]	_ZN12QListBoxText4RTTIE [qt-mt]
_ZN12QPaintDevice10x_appcellsE [qt-mt]	_ZN12QPaintDevice10x_appdepthE [qt-mt]
_ZN12QPaintDevice11x_appscreenE [qt-mt]	_ZN12QPaintDevice11x_appvisualE [qt-mt]
_ZN12QPaintDevice12x_appdisplay E [qt-mt]	_ZN12QPaintDevice13x_appcolorma pE [qt-mt]
_ZN12QPaintDevice14x_appcells_arr E [qt-mt]	_ZN12QPaintDevice14x_appdefvisua lE [qt-mt]
_ZN12QPaintDevice14x_appdepth_a rrE [qt-mt]	_ZN12QPaintDevice15x_approotwin dowE [qt-mt]
_ZN12QPaintDevice15x_appvisual_a rrE [qt-mt]	_ZN12QPaintDevice16x_appdefcolor mapE [qt-mt]
_ZN12QPaintDevice17x_appcolorma p_arrE [qt-mt]	_ZN12QPaintDevice18x_appdefvisua l_arrE [qt-mt]
_ZN12QPaintDevice19x_approotwin dow_arrE [qt-mt]	_ZN12QPaintDevice20x_appdefcolor map_arrE [qt-mt]
_ZN12QPrintDialog7metaObjE [qt-mt]	_ZN12QProgressBar7metaObjE [qt-mt]
_ZN12QRadioButton7metaObjE [qt-mt]	_ZN12QSqlDatabase17defaultConne ctionE [qt-mt]
_ZN12QSqlDatabase7metaObjE [qt-mt]	_ZN12QStylePlugin7metaObjE [qt-mt]
_ZN12QTableHeader7metaObjE [qt-mt]	_ZN12QTextBrowser7metaObjE [qt-mt]
_ZN12QUrlOperator7metaObjE [qt-mt]	_ZN12QWidgetStack7metaObjE [qt-mt]
_ZN13QCanvasSpline4RTTIE [qt-mt]	_ZN13QCanvasSprite4RTTIE [qt-mt]
_ZN13QDateTimeEdit7metaObjE [qt-mt]	_ZN13QErrorMessage7metaObjE [qt-mt]
_ZN13QHButtonGroup7metaObjE [qt-mt]	_ZN13QIconViewItem4RTTIE [qt-mt]
_ZN13QIntValidator7metaObjE [qt-mt]	_ZN13QListViewItem4RTTIE [qt-mt]
_ZN13QServerSocket7metaObjE [qt-mt]	_ZN13QSignalMapper7metaObjE [qt-mt]
_ZN13QSplashScreen7metaObjE [qt-mt]	_ZN13QToolTipGroup7metaObjE [qt-mt]
_ZN13QVButtonGroup7metaObjE	_ZN13QWidgetPlugin7metaObjE [qt-

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[qt-mt]	mt]
_ZN14QCanvasEllipse4RTTIE [qt-mt]	_ZN14QCanvasPolygon4RTTIE [qt-mt]
_ZN14QCheckListItem4RTTIE [qt-mt]	_ZN14QDesktopWidget7metaObjE [qt-mt]
_ZN14QListBoxPixmap4RTTIE [qt-mt]	_ZN14QMultiLineEdit7metaObjE [qt-mt]
_ZN15QCheckTableItem4RTTIE [qt-mt]	_ZN15QComboTableItem15fakeComboWidgetE [qt-mt]
_ZN15QComboTableItem4RTTIE [qt-mt]	_ZN15QComboTableItem7fakeRefE [qt-mt]
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_ZN15QProgressDialog7metaObjE [qt-mt]	_ZN15QSessionManager7metaObjE [qt-mt]
_ZN15QSocketNotifier7metaObjE [qt-mt]	_ZN15QXmlInputSource13EndOfDocumentE [qt-mt]
_ZN15QXmlInputSource9EndOfDataE [qt-mt]	_ZN16QCanvasRectangle4RTTIE [qt-mt]
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_ZN18QImageFormatPlugin7metaObjE [qt-mt]	_ZN20QCanvasPolygonalItem4RTTIE [qt-mt]
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_ZN2Qt11ibeamCursorE [qt-mt]	_ZN2Qt12splitHCursorE [qt-mt]
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_ZTV12QCommonStyle [qt-mt]	_ZTV12QCustomEvent [qt-mt]
_ZTV12QDataBrowser [qt-mt]	_ZTV12QDomDocument [qt-mt]
_ZTV12QDomNodeList [qt-mt]	_ZTV12QDomNotation [qt-mt]
_ZTV12QDragManager [qt-mt]	_ZTV12QFilePreview [qt-mt]
_ZTV12QGb2312Codec [qt-mt]	_ZTV12QHebrewCodec [qt-mt]
_ZTV12QHostAddress [qt-mt]	_ZTV12QIconFactory [qt-mt]
_ZTV12QImageFormat [qt-mt]	_ZTV12QInputDialog [qt-mt]
_ZTV12QListBoxItem [qt-mt]	_ZTV12QListBoxText [qt-mt]
_ZTV12QPaintDevice [qt-mt]	_ZTV12QPrintDialog [qt-mt]
_ZTV12QProgressBar [qt-mt]	_ZTV12QRadioButton [qt-mt]
_ZTV12QResizeEvent [qt-mt]	_ZTV12QSqlDatabase [qt-mt]
_ZTV12QStylePlugin [qt-mt]	_ZTV12QTableHeader [qt-mt]
_ZTV12QTabletEvent [qt-mt]	_ZTV12QTextBrowser [qt-mt]

_ZTV12QTextDecoder [qt-mt]	_ZTV12QTextEncoder [qt-mt]
_ZTV12QTextOStream [qt-mt]	_ZTV12QUType_idisp [qt-mt]
_ZTV12QUType_iface [qt-mt]	_ZTV12QUrlOperator [qt-mt]
_ZTV12QWidgetStack [qt-mt]	_ZTV13QCanvasPixmap [qt-mt]
_ZTV13QCanvasSpline [qt-mt]	_ZTV13QCanvasSprite [qt-mt]
_ZTV13QDateTimeEdit [qt-mt]	_ZTV13QErrorMessage [qt-mt]
_ZTV13QGb18030Codec [qt-mt]	_ZTV13QHButtonGroup [qt-mt]
_ZTV13QIconDragItem [qt-mt]	_ZTV13QIconViewItem [qt-mt]
_ZTV13QIntValidator [qt-mt]	_ZTV13QListViewItem [qt-mt]
_ZTV13QRangeControl [qt-mt]	_ZTV13QServerSocket [qt-mt]
_ZTV13QSignalMapper [qt-mt]	_ZTV13QSocketDevice [qt-mt]
_ZTV13QSplashScreen [qt-mt]	_ZTV13QSqlFieldInfo [qt-mt]
_ZTV13QToolTipGroup [qt-mt]	_ZTV13QUType_double [qt-mt]
_ZTV13QUType_varptr [qt-mt]	_ZTV13QVButtonGroup [qt-mt]
_ZTV13QWidgetPlugin [qt-mt]	_ZTV14QCanvasEllipse [qt-mt]
_ZTV14QCanvasPolygon [qt-mt]	_ZTV14QCheckListItem [qt-mt]
_ZTV14QDesktopWidget [qt-mt]	_ZTV14QDragMoveEvent [qt-mt]
_ZTV14QEditorFactory [qt-mt]	_ZTV14QImageConsumer [qt-mt]
_ZTV14QJpUnicodeConv [qt-mt]	_ZTV14QListBoxPixmap [qt-mt]
_ZTV14QMultiLineEdit [qt-mt]	_ZTV14QPostEventList [qt-mt]
_ZTV14QPtrCollection [qt-mt]	_ZTV14QUType_QString [qt-mt]
_ZTV14QWaitCondition [qt-mt]	_ZTV14QWidgetIntDict [qt-mt]
_ZTV14QXmlAttributes [qt-mt]	_ZTV14QXmlDTDHandler [qt-mt]
_ZTV15QCheckTableItem [qt-mt]	_ZTV15QComboTableItem [qt-mt]
_ZTV15QConnectionList [qt-mt]	_ZTV15QCustomMenuItem [qt-mt]
_ZTV15QDockAreaLayout [qt-mt]	_ZTV15QDragEnterEvent [qt-mt]
_ZTV15QDragLeaveEvent [qt-mt]	_ZTV15QIMComposeEvent [qt-mt]
_ZTV15QIODeviceSource [qt-mt]	_ZTV15QObjectUserData [qt-mt]
_ZTV15QPolygonScanner [qt-mt]	_ZTV15QProgressDialog [qt-mt]
_ZTV15QSessionManager [qt-mt]	_ZTV15QSocketNotifier [qt-mt]
_ZTV15QSqlPropertyMap [qt-mt]	_ZTV15QUType_QVariant [qt-mt]
_ZTV15QUType_charstar [qt-mt]	_ZTV15QXmlDeclHandler [qt-mt]
_ZTV15QXmlInputSource [qt-mt]	_ZTV16QCanvasRectangle [qt-mt]
_ZTV16QDomCDATASection [qt-mt]	_ZTV16QDomDocumentType [qt-mt]

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_ZTV16QDoubleValidator [qt-mt]	_ZTV16QGLayoutIterator [qt-mt]
_ZTV16QImageFormatType [qt-mt]	_ZTV16QNetworkProtocol [qt-mt]
_ZTV16QRegExpValidator [qt-mt]	_ZTV16QSqlDriverPlugin [qt-mt]
_ZTV16QSqlResultShared [qt-mt]	_ZTV16QSqlSelectCursor [qt-mt]
_ZTV16QTextCodecPlugin [qt-mt]	_ZTV16QXmlErrorHandler [qt-mt]
_ZTV16QXmlSimpleReader [qt-mt]	_ZTV17QContextMenuEvent [qt-mt]
_ZTV17QDateTimeEditBase [qt-mt]	_ZTV17QDomCharacterData [qt-mt]
_ZTV17QFileIconProvider [qt-mt]	_ZTV17QLibraryInterface [qt-mt]
_ZTV17QNetworkOperation [qt-mt]	_ZTV17QSqlEditorFactory [qt-mt]
_ZTV17QUnknownInterface [qt-mt]	_ZTV17QtSqlCachedResult [qt-mt]
_ZTV18QDomImplementation [qt-mt]	_ZTV18QDragResponseEvent [qt-mt]
_ZTV18QGuardedPtrPrivate [qt-mt]	_ZTV18QHttpRequestHeader [qt-mt]
_ZTV18QImageFormatPlugin [qt-mt]	_ZTV18QMimeSourceFactory [qt-mt]
_ZTV18QSyntaxHighlighter [qt-mt]	_ZTV18QXmlContentHandler [qt-mt]
_ZTV18QXmlDefaultHandler [qt-mt]	_ZTV18QXmlEntityResolver [qt-mt]
_ZTV18QXmlLexicalHandler [qt-mt]	_ZTV19QDomEntityReference [qt-mt]
_ZTV19QHttpResponseHeader [qt-mt]	_ZTV20QCanvasPolygonalItem [qt-mt]
_ZTV20QDomDocumentFragment [qt-mt]	_ZTV21QFeatureListInterface [qt-mt]
_ZTV21QImageFormatInterface [qt-mt]	_ZTV21QObjectCleanupHandler [qt-mt]
_ZTV22QStyleFactoryInterface [qt-mt]	_ZTV25QDomProcessingInstruction [qt-mt]
_ZTV26QSqlDriverFactoryInterface [qt-mt]	_ZTV26QTextCodecFactoryInterface [qt-mt]
_ZTV27QNetworkProtocolFactoryBase [qt-mt]	_ZTV4QDir [qt-mt]
_ZTV4QDns [qt-mt]	_ZTV4QFtp [qt-mt]
_ZTV4QTab [qt-mt]	_ZTV4QUrl [qt-mt]
_ZTV5QDial [qt-mt]	_ZTV5QFile [qt-mt]
_ZTV5QGrid [qt-mt]	_ZTV5QHBox [qt-mt]
_ZTV5QHttp [qt-mt]	_ZTV5QVBox [qt-mt]
_ZTV6QAccel [qt-mt]	_ZTV6QEvent [qt-mt]
_ZTV6QFrame [qt-mt]	_ZTV6QGDict [qt-mt]

_ZTV6QGList [qt-mt]	_ZTV6QLabel [qt-mt]
_ZTV6QMutex [qt-mt]	_ZTV6QSound [qt-mt]
_ZTV6QStyle [qt-mt]	_ZTV6QTable [qt-mt]
_ZTV6QTimer [qt-mt]	_ZTV6QUType [qt-mt]
_ZTV7QAction [qt-mt]	_ZTV7QBitmap [qt-mt]
_ZTV7QBuffer [qt-mt]	_ZTV7QButton [qt-mt]
_ZTV7QCanvas [qt-mt]	_ZTV7QDialog [qt-mt]
_ZTV7QGArray [qt-mt]	_ZTV7QGCache [qt-mt]
_ZTV7QHeader [qt-mt]	_ZTV7QLayout [qt-mt]
_ZTV7QObject [qt-mt]	_ZTV7QPixmap [qt-mt]
_ZTV7QSignal [qt-mt]	_ZTV7QSlider [qt-mt]
_ZTV7QSocket [qt-mt]	_ZTV7QTabBar [qt-mt]
_ZTV7QThread [qt-mt]	_ZTV7QWidget [qt-mt]
_ZTV7QWizard [qt-mt]	_ZTV8QAsyncIO [qt-mt]
_ZTV8QCString [qt-mt]	_ZTV8QDomAttr [qt-mt]
_ZTV8QDomNode [qt-mt]	_ZTV8QDomText [qt-mt]
_ZTV8QGPlugin [qt-mt]	_ZTV8QGVector [qt-mt]
_ZTV8QIMEvent [qt-mt]	_ZTV8QIconSet [qt-mt]
_ZTV8QLibrary [qt-mt]	_ZTV8QListBox [qt-mt]
_ZTV8QLocalFs [qt-mt]	_ZTV8QMenuBar [qt-mt]
_ZTV8QPicture [qt-mt]	_ZTV8QPrinter [qt-mt]
_ZTV8QProcess [qt-mt]	_ZTV8QSpinBox [qt-mt]
_ZTV8QSqlForm [qt-mt]	_ZTV8QStrList [qt-mt]
_ZTV8QToolBar [qt-mt]	_ZTV8QToolBox [qt-mt]
_ZTV8QToolTip [qt-mt]	_ZTV8QUriDrag [qt-mt]
_ZTV8QUrlInfo [qt-mt]	_ZTV9QBitArray [qt-mt]
_ZTV9QCheckBox [qt-mt]	_ZTV9QComboBox [qt-mt]
_ZTV9QDataPump [qt-mt]	_ZTV9QDataSink [qt-mt]
_ZTV9QDataView [qt-mt]	_ZTV9QDateEdit [qt-mt]
_ZTV9QDockArea [qt-mt]	_ZTV9QDropSite [qt-mt]
_ZTV9QGLWidget [qt-mt]	_ZTV9QGbkCodec [qt-mt]
_ZTV9QGridView [qt-mt]	_ZTV9QGroupBox [qt-mt]
_ZTV9QIODevice [qt-mt]	_ZTV9QIconDrag [qt-mt]
_ZTV9QIconView [qt-mt]	_ZTV9QJisCodec [qt-mt]

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_ZTV9QKeyEvent [qt-mt]	_ZTV9QLineEdit [qt-mt]
_ZTV9QListView [qt-mt]	_ZTV9QMenuData [qt-mt]
_ZTV9QSizeGrip [qt-mt]	_ZTV9QSplitter [qt-mt]
_ZTV9QSqlError [qt-mt]	_ZTV9QSqlField [qt-mt]
_ZTV9QSqlIndex [qt-mt]	_ZTV9QSqlQuery [qt-mt]
_ZTV9QTextDrag [qt-mt]	_ZTV9QTextEdit [qt-mt]
_ZTV9QTextView [qt-mt]	_ZTV9QTimeEdit [qt-mt]
qApp [qt-mt]	qNetworkProtocolRegister [qt-mt]
qt_global_mutexpool [qt-mt]	qt_has_xft [qt-mt]
qt_preliminary_signal_spy [qt-mt]	qt_qheader_label_return_null_strings [qt-mt]
qt_resolve_symlinks [qt-mt]	qt_sm_client_id [qt-mt]
qt_tab_all_widgets [qt-mt]	qt_use_native_dialogs [qt-mt]
qt_use_xrender [qt-mt]	qt_window_role [qt-mt]
qt_wm_delete_window [qt-mt]	qt_wm_protocols [qt-mt]
qt_wm_state [qt-mt]	qt_wm_take_focus [qt-mt]
qt_x_time [qt-mt]	qt_x_user_time [qt-mt]
static_QUType_Null [qt-mt]	static_QUType_QString [qt-mt]
static_QUType_QVariant [qt-mt]	static_QUType_bool [qt-mt]
static_QUType_charstar [qt-mt]	static_QUType_double [qt-mt]
static_QUType_enum [qt-mt]	static_QUType_idisp [qt-mt]
static_QUType_iface [qt-mt]	static_QUType_int [qt-mt]
static_QUType_ptr [qt-mt]	static_QUType_varptr [qt-mt]

IX XML2 library

14 Libraries

14.1 Interfaces for libxml2

Table 14-1 defines the library name and shared object name for the libxml2 library

Table 14-1 libxml2 Definition

Library:	libxml2
SONAME:	libxml2.so.2

The behavior of the interfaces in this library is specified by the following specifications:

[libXML2] Reference Manual for libxml2

14.1.1 The XML C parser and toolkit for XML processing

14.1.1.1 Interfaces for The XML C parser and toolkit for XML processing

An LSB conforming implementation shall provide the generic functions for The XML C parser and toolkit for XML processing specified in Table 14-2, with the full mandatory functionality as described in the referenced underlying specification.

Table 14-2 libxml2 - The XML C parser and toolkit for XML processing Function Interfaces

UTF8ToHtml [libXML2]	UTF8Toisolat1 [libXML2]	__docbDefaultSAXHandler [libXML2]
__htmlDefaultSAXHandler [libXML2]	__oldXMLWDcompatibility [libXML2]	__xmlBufferAllocScheme [libXML2]
__xmlDefaultBufferSize [libXML2]	__xmlDefaultSAXHandler [libXML2]	__xmlDefaultSAXLocator [libXML2]
__xmlDeregisterNodeDefaultValue [libXML2]	__xmlDoValidityCheckingDefaultValue [libXML2]	__xmlGenericError [libXML2]
__xmlGenericErrorContext [libXML2]	__xmlGetWarningsDefaultValue [libXML2]	__xmlIndentTreeOutput [libXML2]
__xmlKeepBlanksDefaultValue [libXML2]	__xmlLastError [libXML2]	__xmlLineNumbersDefaultValue [libXML2]
__xmlLoadExtDtdDefaultValue [libXML2]	__xmlOutputBufferCreateFilenameValue [libXML2]	__xmlParserDebugEntities [libXML2]
__xmlParserInputBufferCreateFilenameValue [libXML2]	__xmlParserVersion [libXML2]	__xmlPedanticParserDefaultValue [libXML2]
__xmlRegisterNodeDef	__xmlSaveNoEmptyTa	__xmlStructuredError

aultValue [libXML2]	gs [libXML2]	[libXML2]
__xmlSubstituteEntities DefaultValue [libXML2]	__xmlTreeIndentString [libXML2]	docbDefaultSAXHandle rInit [libXML2]
htmlAttrAllowed [libXML2]	htmlAutoCloseTag [libXML2]	htmlCreateFileParserCt xt [libXML2]
htmlCreateMemoryPars erCtxt [libXML2]	htmlCreatePushParserC txt [libXML2]	htmlCtxtReadDoc [libXML2]
htmlCtxtReadFd [libXML2]	htmlCtxtReadFile [libXML2]	htmlCtxtReadIO [libXML2]
htmlCtxtReadMemory [libXML2]	htmlCtxtReset [libXML2]	htmlCtxtUseOptions [libXML2]
htmlDefaultSAXHandle rInit [libXML2]	htmlDocContentDump FormatOutput [libXML2]	htmlDocContentDump Output [libXML2]
htmlDocDump [libXML2]	htmlDocDumpMemory [libXML2]	htmlElementAllowedH ere [libXML2]
htmlElementStatusHere [libXML2]	htmlEncodeEntities [libXML2]	htmlEntityLookup [libXML2]
htmlEntityValueLooku p [libXML2]	htmlFreeParserCtxt [libXML2]	htmlGetMetaEncoding [libXML2]
htmlHandleOmittedEle m [libXML2]	htmlInitAutoClose [libXML2]	htmlIsAutoClosed [libXML2]
htmlIsBooleanAttr [libXML2]	htmlIsScriptAttribute [libXML2]	htmlNewDoc [libXML2]
htmlNewDocNoDtD [libXML2]	htmlNodeDump [libXML2]	htmlNodeDumpFile [libXML2]
htmlNodeDumpFileFor mat [libXML2]	htmlNodeDumpFormat Output [libXML2]	htmlNodeDumpOutput [libXML2]
htmlParseCharRef [libXML2]	htmlParseChunk [libXML2]	htmlParseDoc [libXML2]
htmlParseDocument [libXML2]	htmlParseElement [libXML2]	htmlParseEntityRef [libXML2]
htmlParseFile [libXML2]	htmlReadDoc [libXML2]	htmlReadFd [libXML2]
htmlReadFile [libXML2]	htmlReadIO [libXML2]	htmlReadMemory [libXML2]
htmlSAXParseDoc [libXML2]	htmlSAXParseFile [libXML2]	htmlSaveFile [libXML2]
htmlSaveFileEnc [libXML2]	htmlSaveFileFormat [libXML2]	htmlSetMetaEncoding [libXML2]
htmlTagLookup [libXML2]	initGenericErrorDefault Func [libXML2]	inputPop [libXML2]

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inputPush [libXML2]	isolat1ToUTF8 [libXML2]	namePop [libXML2]
namePush [libXML2]	nodePop [libXML2]	nodePush [libXML2]
valuePop [libXML2]	valuePush [libXML2]	xmlACatalogAdd [libXML2]
xmlACatalogDump [libXML2]	xmlACatalogRemove [libXML2]	xmlACatalogResolve [libXML2]
xmlACatalogResolvePublic [libXML2]	xmlACatalogResolveSystem [libXML2]	xmlACatalogResolveURI [libXML2]
xmlAddAttributeDecl [libXML2]	xmlAddChild [libXML2]	xmlAddChildList [libXML2]
xmlAddDocEntity [libXML2]	xmlAddDtdEntity [libXML2]	xmlAddElementDecl [libXML2]
xmlAddEncodingAlias [libXML2]	xmlAddID [libXML2]	xmlAddNextSibling [libXML2]
xmlAddNotationDecl [libXML2]	xmlAddPrevSibling [libXML2]	xmlAddRef [libXML2]
xmlAddSibling [libXML2]	xmlAllocOutputBuffer [libXML2]	xmlAllocParserInputBuffer [libXML2]
xmlAttrSerializeTxtContent [libXML2]	xmlAutomataCompile [libXML2]	xmlAutomataGetInitState [libXML2]
xmlAutomataIsDeterminist [libXML2]	xmlAutomataNewAllTrans [libXML2]	xmlAutomataNewCountTrans [libXML2]
xmlAutomataNewCountTrans2 [libXML2]	xmlAutomataNewCountedTrans [libXML2]	xmlAutomataNewCounter [libXML2]
xmlAutomataNewCounterTrans [libXML2]	xmlAutomataNewEpsilon [libXML2]	xmlAutomataNewNegTrans [libXML2]
xmlAutomataNewOnceTrans [libXML2]	xmlAutomataNewOnceTrans2 [libXML2]	xmlAutomataNewState [libXML2]
xmlAutomataNewTransition [libXML2]	xmlAutomataNewTransition2 [libXML2]	xmlAutomataSetFinalState [libXML2]
xmlBoolToText [libXML2]	xmlBufferAdd [libXML2]	xmlBufferAddHead [libXML2]
xmlBufferCCat [libXML2]	xmlBufferCat [libXML2]	xmlBufferContent [libXML2]
xmlBufferCreate [libXML2]	xmlBufferCreateSize [libXML2]	xmlBufferCreateStatic [libXML2]
xmlBufferDump [libXML2]	xmlBufferEmpty [libXML2]	xmlBufferFree [libXML2]
xmlBufferGrow [libXML2]	xmlBufferLength [libXML2]	xmlBufferResize [libXML2]
xmlBufferSetAllocation	xmlBufferShrink	xmlBufferWriteCHAR

Scheme [libXML2]	[libXML2]	[libXML2]
xmlBufferWriteChar [libXML2]	xmlBufferWriteQuoted String [libXML2]	xmlBuildQName [libXML2]
xmlBuildRelativeURI [libXML2]	xmlBuildURI [libXML2]	xmlByteConsumed [libXML2]
xmlC14NDocDumpMe mory [libXML2]	xmlC14NDocSave [libXML2]	xmlC14NDocSaveTo [libXML2]
xmlC14NExecute [libXML2]	xmlCanonicPath [libXML2]	xmlCatalogAdd [libXML2]
xmlCatalogAddLocal [libXML2]	xmlCatalogCleanup [libXML2]	xmlCatalogConvert [libXML2]
xmlCatalogDump [libXML2]	xmlCatalogFreeLocal [libXML2]	xmlCatalogGetDefaults [libXML2]
xmlCatalogIsEmpty [libXML2]	xmlCatalogLocalResolv e [libXML2]	xmlCatalogLocalResolv eURI [libXML2]
xmlCatalogRemove [libXML2]	xmlCatalogResolve [libXML2]	xmlCatalogResolvePubl ic [libXML2]
xmlCatalogResolveSyst em [libXML2]	xmlCatalogResolveURI [libXML2]	xmlCatalogSetDebug [libXML2]
xmlCatalogSetDefaultP refer [libXML2]	xmlCatalogSetDefaults [libXML2]	xmlCharEncCloseFunc [libXML2]
xmlCharEncFirstLine [libXML2]	xmlCharEncInFunc [libXML2]	xmlCharEncOutFunc [libXML2]
xmlCharStrdup [libXML2]	xmlCharStrndup [libXML2]	xmlCheckFilename [libXML2]
xmlCheckHTTPInput [libXML2]	xmlCheckUTF8 [libXML2]	xmlCheckVersion [libXML2]
xmlCleanupCharEncodi ngHandlers [libXML2]	xmlCleanupEncodingA liases [libXML2]	xmlCleanupGlobals [libXML2]
xmlCleanupInputCallb acks [libXML2]	xmlCleanupMemory [libXML2]	xmlCleanupOutputCall backs [libXML2]
xmlCleanupParser [libXML2]	xmlCleanupThreads [libXML2]	xmlClearNodeInfoSeq [libXML2]
xmlClearParserCtxt [libXML2]	xmlConvertSGMLCatal og [libXML2]	xmlCopyAttributeTable [libXML2]
xmlCopyChar [libXML2]	xmlCopyCharMultiByte [libXML2]	xmlCopyDoc [libXML2]
xmlCopyDocElementC ontent [libXML2]	xmlCopyDtd [libXML2]	xmlCopyElementTable [libXML2]
xmlCopyEntitiesTable [libXML2]	xmlCopyEnumeration [libXML2]	xmlCopyError [libXML2]
xmlCopyNamespace	xmlCopyNamespaceLis	xmlCopyNode

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[libXML2]	t [libXML2]	[libXML2]
xmlCopyNodeList [libXML2]	xmlCopyNotationTable [libXML2]	xmlCopyProp [libXML2]
xmlCopyPropList [libXML2]	xmlCreateDocParserCtxt [libXML2]	xmlCreateEntityParserCtxt [libXML2]
xmlCreateEnumeration [libXML2]	xmlCreateFileParserCtxt [libXML2]	xmlCreateIOParserCtxt [libXML2]
xmlCreateIntSubset [libXML2]	xmlCreateMemoryParserCtxt [libXML2]	xmlCreatePushParserCtxt [libXML2]
xmlCreateURI [libXML2]	xmlCreateURLParserCtxt [libXML2]	xmlCtxtGetLastError [libXML2]
xmlCtxtReadDoc [libXML2]	xmlCtxtReadFd [libXML2]	xmlCtxtReadFile [libXML2]
xmlCtxtReadIO [libXML2]	xmlCtxtReadMemory [libXML2]	xmlCtxtReset [libXML2]
xmlCtxtResetLastError [libXML2]	xmlCtxtResetPush [libXML2]	xmlCtxtUseOptions [libXML2]
xmlCurrentChar [libXML2]	xmlDOMWrapFreeCtxt [libXML2]	xmlDOMWrapNewCtxt [libXML2]
xmlDebugCheckDocument [libXML2]	xmlDebugDumpAttr [libXML2]	xmlDebugDumpAttrList [libXML2]
xmlDebugDumpDTD [libXML2]	xmlDebugDumpDocument [libXML2]	xmlDebugDumpDocumentHead [libXML2]
xmlDebugDumpEntities [libXML2]	xmlDebugDumpNode [libXML2]	xmlDebugDumpNodeList [libXML2]
xmlDebugDumpOneNode [libXML2]	xmlDebugDumpString [libXML2]	xmlDefaultSAXHandlerInit [libXML2]
xmlDelEncodingAlias [libXML2]	xmlDeregisterNodeDefault [libXML2]	xmlDetectCharEncoding [libXML2]
xmlDictCleanup [libXML2]	xmlDictCreate [libXML2]	xmlDictCreateSub [libXML2]
xmlDictExists [libXML2]	xmlDictFree [libXML2]	xmlDictLookup [libXML2]
xmlDictOwns [libXML2]	xmlDictQLookup [libXML2]	xmlDictReference [libXML2]
xmlDictSize [libXML2]	xmlDocCopyNode [libXML2]	xmlDocCopyNodeList [libXML2]
xmlDocDump [libXML2]	xmlDocDumpFormatMemory [libXML2]	xmlDocDumpFormatMemoryEnc [libXML2]
xmlDocDumpMemory [libXML2]	xmlDocDumpMemoryEnc [libXML2]	xmlDocFormatDump [libXML2]
xmlDocGetRootElemen	xmlDocSetRootElement	xmlDumpAttributeDecl

t [libXML2]	[libXML2]	[libXML2]
xmlDumpAttributeTable [libXML2]	xmlDumpElementDecl [libXML2]	xmlDumpElementTable [libXML2]
xmlDumpEntitiesTable [libXML2]	xmlDumpEntityDecl [libXML2]	xmlDumpNotationDecl [libXML2]
xmlDumpNotationTable [libXML2]	xmlElemDump [libXML2]	xmlEncodeEntitiesReentrant [libXML2]
xmlEncodeSpecialChars [libXML2]	xmlExpCtxtNbCons [libXML2]	xmlExpCtxtNbNodes [libXML2]
xmlExpDump [libXML2]	xmlExpExpDerive [libXML2]	xmlExpFree [libXML2]
xmlExpFreeCtxt [libXML2]	xmlExpGetLanguage [libXML2]	xmlExpGetStart [libXML2]
xmlExpIsNillable [libXML2]	xmlExpMaxToken [libXML2]	xmlExpNewAtom [libXML2]
xmlExpNewCtxt [libXML2]	xmlExpNewOr [libXML2]	xmlExpNewRange [libXML2]
xmlExpNewSeq [libXML2]	xmlExpParse [libXML2]	xmlExpRef [libXML2]
xmlExpStringDerive [libXML2]	xmlExpSubsume [libXML2]	xmlFileClose [libXML2]
xmlFileMatch [libXML2]	xmlFileOpen [libXML2]	xmlFileRead [libXML2]
xmlFindCharEncodingHandler [libXML2]	xmlFreeAttributeTable [libXML2]	xmlFreeAutomata [libXML2]
xmlFreeCatalog [libXML2]	xmlFreeDoc [libXML2]	xmlFreeDocElementContent [libXML2]
xmlFreeDtd [libXML2]	xmlFreeElementTable [libXML2]	xmlFreeEntitiesTable [libXML2]
xmlFreeEnumeration [libXML2]	xmlFreeIDTable [libXML2]	xmlFreeInputStream [libXML2]
xmlFreeMutex [libXML2]	xmlFreeNode [libXML2]	xmlFreeNodeList [libXML2]
xmlFreeNotationTable [libXML2]	xmlFreeNs [libXML2]	xmlFreeNsList [libXML2]
xmlFreeParserCtxt [libXML2]	xmlFreeParserInputBuffer [libXML2]	xmlFreePattern [libXML2]
xmlFreePatternList [libXML2]	xmlFreeProp [libXML2]	xmlFreePropList [libXML2]
xmlFreeRMutex [libXML2]	xmlFreeRefTable [libXML2]	xmlFreeStreamCtxt [libXML2]
xmlFreeTextReader	xmlFreeTextWriter	xmlFreeURI [libXML2]

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[libXML2]	[libXML2]	
xmlFreeValidCtxt [libXML2]	xmlGcMemGet [libXML2]	xmlGcMemSetup [libXML2]
xmlGetBufferAllocationScheme [libXML2]	xmlGetCharEncodingHandler [libXML2]	xmlGetCharEncodingName [libXML2]
xmlGetCompressMode [libXML2]	xmlGetDocCompressMode [libXML2]	xmlGetDocEntity [libXML2]
xmlGetDtdAttrDesc [libXML2]	xmlGetDtdElementDesc [libXML2]	xmlGetDtdEntity [libXML2]
xmlGetDtdNotationDesc [libXML2]	xmlGetDtdQAttrDesc [libXML2]	xmlGetDtdQElementDesc [libXML2]
xmlGetEncodingAlias [libXML2]	xmlGetExternalEntityLoader [libXML2]	xmlGetGlobalState [libXML2]
xmlGetID [libXML2]	xmlGetIntSubset [libXML2]	xmlGetLastChild [libXML2]
xmlGetLastError [libXML2]	xmlGetLineNo [libXML2]	xmlGetNoNsProp [libXML2]
xmlGetNodePath [libXML2]	xmlGetNsList [libXML2]	xmlGetNsProp [libXML2]
xmlGetParameterEntity [libXML2]	xmlGetPredefinedEntity [libXML2]	xmlGetProp [libXML2]
xmlGetRefs [libXML2]	xmlGetThreadId [libXML2]	xmlGetUTF8Char [libXML2]
xmlHasFeature [libXML2]	xmlHasNsProp [libXML2]	xmlHasProp [libXML2]
xmlHashAddEntry [libXML2]	xmlHashAddEntry2 [libXML2]	xmlHashAddEntry3 [libXML2]
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Model [libXML2]	AttributeValue [libXML2]	hildren [libXML2]
xmlValidGetValidElements [libXML2]	xmlValidNormalizeAttributeValue [libXML2]	xmlValidateAttributeDecl [libXML2]
xmlValidateAttributeValue [libXML2]	xmlValidateDocument [libXML2]	xmlValidateDocumentFinal [libXML2]
xmlValidateDtd [libXML2]	xmlValidateDtdFinal [libXML2]	xmlValidateElement [libXML2]
xmlValidateElementDecl [libXML2]	xmlValidateNCName [libXML2]	xmlValidateNMToken [libXML2]
xmlValidateName [libXML2]	xmlValidateNameValue [libXML2]	xmlValidateNamesValue [libXML2]
xmlValidateNmtokenValue [libXML2]	xmlValidateNmtokensValue [libXML2]	xmlValidateNotationDecl [libXML2]
xmlValidateNotationUse [libXML2]	xmlValidateOneAttribute [libXML2]	xmlValidateOneElement [libXML2]
xmlValidateOneNamespace [libXML2]	xmlValidatePopElement [libXML2]	xmlValidatePushCData [libXML2]
xmlValidatePushElement [libXML2]	xmlValidateQName [libXML2]	xmlValidateRoot [libXML2]
xmlXIncludeFreeContext [libXML2]	xmlXIncludeNewContext [libXML2]	xmlXIncludeProcess [libXML2]
xmlXIncludeProcessFlags [libXML2]	xmlXIncludeProcessNode [libXML2]	xmlXIncludeProcessTree [libXML2]
xmlXIncludeProcessTreeFlags [libXML2]	xmlXIncludeSetFlags [libXML2]	xmlXPathAddValues [libXML2]
xmlXPathBooleanFunction [libXML2]	xmlXPathCastBooleanToNumber [libXML2]	xmlXPathCastBooleanToString [libXML2]
xmlXPathCastNodeSetToBoolean [libXML2]	xmlXPathCastNodeSetToNumber [libXML2]	xmlXPathCastNodeSetToString [libXML2]
xmlXPathCastNodeToNumber [libXML2]	xmlXPathCastNodeToString [libXML2]	xmlXPathCastNumberToBoolean [libXML2]
xmlXPathCastNumberToString [libXML2]	xmlXPathCastStringToBoolean [libXML2]	xmlXPathCastStringToNumber [libXML2]
xmlXPathCastToBoolean [libXML2]	xmlXPathCastToNumber [libXML2]	xmlXPathCastToString [libXML2]
xmlXPathCeilingFunction [libXML2]	xmlXPathCmpNodes [libXML2]	xmlXPathCompareValues [libXML2]
xmlXPathCompile [libXML2]	xmlXPathCompiledEval [libXML2]	xmlXPathConcatFunction [libXML2]
xmlXPathContainsFunction [libXML2]	xmlXPathConvertBoolean [libXML2]	xmlXPathConvertNumber [libXML2]

xmlXPathConvertString [libXML2]	xmlXPathCountFunction [libXML2]	xmlXPathCtxtCompile [libXML2]
xmlXPathDebugDumpCompExpr [libXML2]	xmlXPathDebugDumpObject [libXML2]	xmlXPathDifference [libXML2]
xmlXPathDistinct [libXML2]	xmlXPathDistinctSorted [libXML2]	xmlXPathDivValues [libXML2]
xmlXPathEqualValues [libXML2]	xmlXPathErr [libXML2]	xmlXPathEval [libXML2]
xmlXPathEvalExpr [libXML2]	xmlXPathEvalExpression [libXML2]	xmlXPathEvalPredicate [libXML2]
xmlXPathEvaluatePredicateResult [libXML2]	xmlXPathFalseFunction [libXML2]	xmlXPathFloorFunction [libXML2]
xmlXPathFreeCompExpr [libXML2]	xmlXPathFreeContext [libXML2]	xmlXPathFreeNodeSet [libXML2]
xmlXPathFreeNodeSetList [libXML2]	xmlXPathFreeObject [libXML2]	xmlXPathFreeParserContext [libXML2]
xmlXPathFunctionLookup [libXML2]	xmlXPathFunctionLookupNS [libXML2]	xmlXPathHasSameNodes [libXML2]
xmlXPathIdFunction [libXML2]	xmlXPathInit [libXML2]	xmlXPathIntersection [libXML2]
xmlXPathIsInf [libXML2]	xmlXPathIsNaN [libXML2]	xmlXPathIsNodeType [libXML2]
xmlXPathLangFunction [libXML2]	xmlXPathLastFunction [libXML2]	xmlXPathLeading [libXML2]
xmlXPathLeadingSorted [libXML2]	xmlXPathLocalNameFunction [libXML2]	xmlXPathModValues [libXML2]
xmlXPathMultValues [libXML2]	xmlXPathNamespaceURIFunction [libXML2]	xmlXPathNewBoolean [libXML2]
xmlXPathNewCString [libXML2]	xmlXPathNewContext [libXML2]	xmlXPathNewFloat [libXML2]
xmlXPathNewNodeSet [libXML2]	xmlXPathNewNodeSetList [libXML2]	xmlXPathNewParserContext [libXML2]
xmlXPathNewString [libXML2]	xmlXPathNewValueTree [libXML2]	xmlXPathNextAncestor [libXML2]
xmlXPathNextAncestorOrSelf [libXML2]	xmlXPathNextAttribute [libXML2]	xmlXPathNextChild [libXML2]
xmlXPathNextDescendant [libXML2]	xmlXPathNextDescendantOrSelf [libXML2]	xmlXPathNextFollowing [libXML2]
xmlXPathNextFollowingSibling [libXML2]	xmlXPathNextNamespace [libXML2]	xmlXPathNextParent [libXML2]
xmlXPathNextPreceding [libXML2]	xmlXPathNextPrecedingSibling [libXML2]	xmlXPathNextSelf [libXML2]

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xmlXPathNodeLeading [libXML2]	xmlXPathNodeLeadingSorted [libXML2]	xmlXPathNodeSetAdd [libXML2]
xmlXPathNodeSetAddNs [libXML2]	xmlXPathNodeSetAddUnique [libXML2]	xmlXPathNodeSetContains [libXML2]
xmlXPathNodeSetCreate [libXML2]	xmlXPathNodeSetDel [libXML2]	xmlXPathNodeSetFreeNs [libXML2]
xmlXPathNodeSetMerge [libXML2]	xmlXPathNodeSetRemove [libXML2]	xmlXPathNodeSetSort [libXML2]
xmlXPathNodeTrailing [libXML2]	xmlXPathNodeTrailingSorted [libXML2]	xmlXPathNormalizeFunction [libXML2]
xmlXPathNotEqualValues [libXML2]	xmlXPathNotFunction [libXML2]	xmlXPathNsLookup [libXML2]
xmlXPathNumberFunction [libXML2]	xmlXPathObjectCopy [libXML2]	xmlXPathOrderDocElems [libXML2]
xmlXPathParseNCName [libXML2]	xmlXPathParseName [libXML2]	xmlXPathPopBoolean [libXML2]
xmlXPathPopExternal [libXML2]	xmlXPathPopNodeSet [libXML2]	xmlXPathPopNumber [libXML2]
xmlXPathPopString [libXML2]	xmlXPathPositionFunction [libXML2]	xmlXPathRegisterAllFunctions [libXML2]
xmlXPathRegisterFunc [libXML2]	xmlXPathRegisterFuncLookup [libXML2]	xmlXPathRegisterFuncNS [libXML2]
xmlXPathRegisterNs [libXML2]	xmlXPathRegisterVariable [libXML2]	xmlXPathRegisterVariableLookup [libXML2]
xmlXPathRegisterVariableNS [libXML2]	xmlXPathRegisteredFuncsCleanup [libXML2]	xmlXPathRegisteredNsCleanup [libXML2]
xmlXPathRegisteredVariablesCleanup [libXML2]	xmlXPathRoot [libXML2]	xmlXPathRoundFunction [libXML2]
xmlXPathStartsWithFunction [libXML2]	xmlXPathStringEvalNumber [libXML2]	xmlXPathStringFunction [libXML2]
xmlXPathStringLengthFunction [libXML2]	xmlXPathSubValues [libXML2]	xmlXPathSubstringAfterFunction [libXML2]
xmlXPathSubstringBeforeFunction [libXML2]	xmlXPathSubstringFunction [libXML2]	xmlXPathSumFunction [libXML2]
xmlXPathTrailing [libXML2]	xmlXPathTrailingSorted [libXML2]	xmlXPathTranslateFunction [libXML2]
xmlXPathTrueFunction [libXML2]	xmlXPathValueFlipSign [libXML2]	xmlXPathVariableLookup [libXML2]
xmlXPathVariableLookupNS [libXML2]	xmlXPathWrapCString [libXML2]	xmlXPathWrapExternal [libXML2]
xmlXPathWrapNodeSet	xmlXPathWrapString	xmlXPatherror

[libXML2]	[libXML2]	[libXML2]
xmlXPtrBuildNodeList [libXML2]	xmlXPtrEval [libXML2]	xmlXPtrEvalRangePredicate [libXML2]
xmlXPtrFreeLocationSet [libXML2]	xmlXPtrLocationSetAdd [libXML2]	xmlXPtrLocationSetCreate [libXML2]
xmlXPtrLocationSetDel [libXML2]	xmlXPtrLocationSetMerge [libXML2]	xmlXPtrLocationSetRemove [libXML2]
xmlXPtrNewCollapsedRange [libXML2]	xmlXPtrNewContext [libXML2]	xmlXPtrNewLocationSetNodeSet [libXML2]
xmlXPtrNewLocationSetNodes [libXML2]	xmlXPtrNewRange [libXML2]	xmlXPtrNewRangeNodeObject [libXML2]
xmlXPtrNewRangeNodePoint [libXML2]	xmlXPtrNewRangeNodes [libXML2]	xmlXPtrNewRangePointNode [libXML2]
xmlXPtrNewRangePoints [libXML2]	xmlXPtrRangeToFunction [libXML2]	xmlXPtrWrapLocationSet [libXML2]

An LSB conforming implementation shall provide the generic data interfaces for The XML C parser and toolkit for XML processing specified in Table 14-3, with the full mandatory functionality as described in the referenced underlying specification.

Table 14-3 libxml2 - The XML C parser and toolkit for XML processing Data Interfaces

emptyExp [libXML2]	forbiddenExp [libXML2]	xmlFree [libXML2]
xmlMalloc [libXML2]	xmlMallocAtomic [libXML2]	xmlMemStrdup [libXML2]
xmlParserMaxDepth [libXML2]	xmlRealloc [libXML2]	xmlStringComment [libXML2]
xmlStringText [libXML2]	xmlStringTextNoenc [libXML2]	xmlXPathNAN [libXML2]
xmlXPathNINF [libXML2]	xmlXPathPINF [libXML2]	

14.2 Data Definitions for libxml2

This section defines global identifiers and their values that are associated with interfaces contained in libxml2. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the reader, and does not imply the existence of these headers, or their content. Where an interface is defined as requiring a particular system header file all of the data definitions for that system header file presented here shall be in effect.

This section gives data definitions to promote binary application portability, not to repeat source interface definitions available elsewhere. System providers and application developers should use this ABI to supplement - not to replace - source interface definition specifications.

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This specification uses the ISO C (1999) C Language as the reference programming language, and data definitions are specified in ISO C format. The C language is used here as a convenient notation. Using a C language description of these data objects does not preclude their use by other programming languages.

14.2.1 libxml2/libxml/HTMLparser.h

```
#define htmlElementAllowedHereDesc(parent,elt)   \
        htmlElementAllowedHere((parent), (elt)->name)
#define htmlRequiredAttrs(elt)  (elt)->attrs_req
#define htmlDefaultSubelement(elt)      elt->defaultsubelt

typedef enum {
    HTML_NA = 0,
    HTML_INVALID = 1,
    HTML_DEPRECATED = 2,
    HTML_VALID = 4,
    HTML_REQUIRED = 12
} htmlStatus;
typedef struct _htmlElemDesc {
    const char *name;
    char startTag;
    char endTag;
    char saveEndTag;
    char empty;
    char depr;
    char dtd;
    char isinline;
    const char *desc;
    const char **subelts;
    const char *defaultsubelt;
    const char **attrs_opt;
    const char **attrs_depr;
    const char **attrs_req;
} htmlElemDesc;
typedef xmlDocPtr htmlDocPtr;
typedef xmlSAXHandlerPtr htmlSAXHandlerPtr;
typedef xmlParserCtxtPtr htmlParserCtxtPtr;
typedef struct _htmlEntityDesc {
    unsigned int value;
    const char *name;
    const char *desc;
} htmlEntityDesc;
typedef xmlNodePtr htmlNodePtr;
typedef enum {
    HTML_PARSE_RECOVER = 1 << 0,
    HTML_PARSE_NOERROR = 1 << 5,
    HTML_PARSE_NOWARNING = 1 << 6,
    HTML_PARSE_PEDANTIC = 1 << 7,
    HTML_PARSE_NOBLANKS = 1 << 8,
    HTML_PARSE_NONET = 1 << 11,
    HTML_PARSE_COMPACT = 1 << 16
} htmlParserOption;
typedef xmlParserInputPtr htmlParserInputPtr;
typedef htmlElemDesc *htmlElemDescPtr;
typedef htmlEntityDesc *htmlEntityDescPtr;
typedef xmlParserInput htmlParserInput;
extern htmlStatus htmlElementStatusHere(const htmlElemDesc *,
                                        const htmlElemDesc *);
extern htmlDocPtr htmlParseDoc(xmlChar *, const char *);
extern htmlDocPtr htmlSAXParseDoc(xmlChar *, const char *,
                                  htmlSAXHandlerPtr, void *);
```

```
extern   htmlDocPtr   htmlCtxtReadDoc(htmlParserCtxtPtr,   const
xmlChar *,
                                const  char  *,  const  char  *,
int);
extern        htmlDocPtr        htmlReadIO(xmlInputReadCallback,
xmlInputCloseCallback,
                            void *, const char *, const char *,
int);
extern        htmlDocPtr        htmlCtxtReadIO(htmlParserCtxtPtr,
xmlInputReadCallback,
                                xmlInputCloseCallback, void *,
                                const  char  *,  const  char  *,
int);
extern int htmlHandleOmittedElem(int);
extern htmlDocPtr htmlReadMemory(const char *, int, const char *,
                                const char *, int);
extern  htmlDocPtr  htmlCtxtReadMemory(htmlParserCtxtPtr,  const
char *, int,
                                    const char *, const char *,
int);
extern void htmlParseElement(htmlParserCtxtPtr);
extern const htmlEntityDesc *htmlEntityValueLookup(unsigned int);
extern int htmlEncodeEntities(unsigned char *, int *,
                             const unsigned char *, int *, int);
extern htmlDocPtr htmlParseFile(const char *, const char *);
extern htmlDocPtr htmlSAXParseFile(const char *, const char *,
                                  htmlSAXHandlerPtr, void *);
extern int htmlIsAutoClosed(htmlDocPtr, htmlNodePtr);
extern                                        htmlParserCtxtPtr
htmlCreatePushParserCtxt(htmlSAXHandlerPtr,
                                                void  *,  const
char *,
                                                int, const char
*,

xmlCharEncoding);
extern int htmlIsScriptAttribute(const xmlChar *);
extern int UTF8ToHtml(unsigned char *, int *, const unsigned char
*,
                      int *);
extern  int  htmlElementAllowedHere(const  htmlElemDesc  *,  const
xmlChar *);
extern int htmlParseCharRef(htmlParserCtxtPtr);
extern int htmlCtxtUseOptions(htmlParserCtxtPtr, int);
extern  int  htmlParseChunk(htmlParserCtxtPtr,  const  char  *,  int,
int);
extern  htmlDocPtr  htmlReadFd(int,  const  char  *,  const  char  *,
int);
extern void htmlCtxtReset(htmlParserCtxtPtr);
extern  htmlDocPtr  htmlCtxtReadFile(htmlParserCtxtPtr,  const  char
*,
                                  const char *, int);
extern const htmlEntityDesc *htmlEntityLookup(const xmlChar *);
extern  htmlDocPtr  htmlCtxtReadFd(htmlParserCtxtPtr,  int,  const
char *,
                                const char *, int);
extern const htmlElemDesc *htmlTagLookup(const xmlChar *);
extern void htmlFreeParserCtxt(htmlParserCtxtPtr);
extern   int   htmlAutoCloseTag(htmlDocPtr,   const   xmlChar   *,
htmlNodePtr);
extern htmlParserCtxtPtr htmlCreateMemoryParserCtxt(const char *,
int);
extern htmlDocPtr htmlReadFile(const char *, const char *, int);
extern  htmlDocPtr  htmlReadDoc(const  xmlChar  *,  const  char  *,
const char *,
                             int);
```

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```
extern                    const                    htmlEntityDesc
*htmlParseEntityRef(htmlParserCtxtPtr,
                                                  const   xmlChar   *
*);
extern int htmlParseDocument(htmlParserCtxtPtr);
extern  htmlStatus  htmlAttrAllowed(const  htmlElemDesc  *,  const
xmlChar *,
                                int);
```

14.2.2 libxml2/libxml/HTMLtree.h

```
#define HTML_PRESERVE_NODE      XML_CDATA_SECTION_NODE
#define HTML_COMMENT_NODE       XML_COMMENT_NODE
#define HTML_ENTITY_REF_NODE    XML_ENTITY_REF_NODE
#define HTML_PI_NODE    XML_PI_NODE
#define HTML_TEXT_NODE  XML_TEXT_NODE

extern   void   htmlNodeDumpOutput(xmlOutputBufferPtr,   xmlDocPtr,
xmlNodePtr,
                              const char *);
extern int htmlSaveFileFormat(const char *, xmlDocPtr, const char
*, int);
extern int htmlSaveFile(const char *, xmlDocPtr);
extern htmlDocPtr htmlNewDoc(const xmlChar *, const xmlChar *);
extern const xmlChar *htmlGetMetaEncoding(htmlDocPtr);
extern void htmlNodeDumpFile(FILE *, xmlDocPtr, xmlNodePtr);
extern int htmlNodeDump(xmlBufferPtr, xmlDocPtr, xmlNodePtr);
extern   void   htmlDocContentDumpFormatOutput(xmlOutputBufferPtr,
xmlDocPtr,
                                        const char *, int);
extern int htmlIsBooleanAttr(const xmlChar *);
extern  int  htmlSaveFileEnc(const  char  *,  xmlDocPtr,  const  char
*);
extern htmlDocPtr htmlNewDocNoDtD(const xmlChar *, const xmlChar
*);
extern int htmlSetMetaEncoding(htmlDocPtr, const xmlChar *);
extern      void      htmlDocContentDumpOutput(xmlOutputBufferPtr,
xmlDocPtr,
                                   const char *);
extern int htmlNodeDumpFileFormat(FILE *, xmlDocPtr, xmlNodePtr,
                                const char *, int);
extern int htmlDocDump(FILE *, xmlDocPtr);
extern      void      htmlNodeDumpFormatOutput(xmlOutputBufferPtr,
xmlDocPtr,
                                   xmlNodePtr,  const  char  *,
int);
extern void htmlDocDumpMemory(xmlDocPtr, xmlChar * *, int *);
```

14.2.3 libxml2/libxml/SAX2.h

```
typedef void (*internalSubsetSAXFunc) (void *, const xmlChar *,
                                     const   xmlChar   *,   const
xmlChar *);
typedef int (*isStandaloneSAXFunc) (void *);
typedef int (*hasInternalSubsetSAXFunc) (void *);
typedef int (*hasExternalSubsetSAXFunc) (void *);
typedef  xmlParserInputPtr(*resolveEntitySAXFunc)  (void  *,  const
xmlChar *,
                                                  const    xmlChar
*);
typedef  xmlEntityPtr(*getEntitySAXFunc)  (void  *,  const  xmlChar
*);
typedef void (*entityDeclSAXFunc) (void *, const xmlChar *, int,
```

```
                                    const xmlChar *, const xmlChar
*,
                                    xmlChar *);
typedef void (*notationDeclSAXFunc) (void *, const xmlChar *,
                                      const   xmlChar   *,   const
xmlChar *);
typedef struct _xmlEnumeration {
    struct _xmlEnumeration *next;
    const xmlChar *name;
} xmlEnumeration;
typedef xmlEnumeration *xmlEnumerationPtr;
typedef void (*attributeDeclSAXFunc) (void *, const xmlChar *,
                                       const xmlChar *, int, int,
                                       const       xmlChar       *,
xmlEnumerationPtr);
typedef enum {
    XML_ELEMENT_CONTENT_PCDATA = 1,
    XML_ELEMENT_CONTENT_ELEMENT = 2,
    XML_ELEMENT_CONTENT_SEQ = 3,
    XML_ELEMENT_CONTENT_OR = 4
} xmlElementContentType;
typedef enum {
    XML_ELEMENT_CONTENT_ONCE = 1,
    XML_ELEMENT_CONTENT_OPT = 2,
    XML_ELEMENT_CONTENT_MULT = 3,
    XML_ELEMENT_CONTENT_PLUS = 4
} xmlElementContentOccur;
typedef struct _xmlElementContent {
    xmlElementContentType type;
    xmlElementContentOccur ocur;
    const xmlChar *name;
    struct _xmlElementContent *c1;
    struct _xmlElementContent *c2;
    struct _xmlElementContent *parent;
    const xmlChar *prefix;
} xmlElementContent;
typedef xmlElementContent *xmlElementContentPtr;
typedef void (*elementDeclSAXFunc) (void *, const xmlChar *, int,
                                     xmlElementContentPtr);
typedef void (*unparsedEntityDeclSAXFunc) (void *, const xmlChar
*,
                                            const xmlChar *,
                                            const xmlChar *,
                                            const xmlChar *);
typedef struct _xmlSAXLocator {
    const xmlChar *(*getPublicId) (void *);
    const xmlChar *(*getSystemId) (void *);
    int (*getLineNumber) (void *);
    int (*getColumnNumber) (void *);
} xmlSAXLocator;
typedef xmlSAXLocator *xmlSAXLocatorPtr;
typedef     void     (*setDocumentLocatorSAXFunc)     (void     *,
xmlSAXLocatorPtr);
typedef void (*startDocumentSAXFunc) (void *);
typedef void (*endDocumentSAXFunc) (void *);
typedef void (*startElementSAXFunc) (void *, const xmlChar *,
                                      const xmlChar * *);
typedef void (*endElementSAXFunc) (void *, const xmlChar *);
typedef void (*referenceSAXFunc) (void *, const xmlChar *);
typedef void (*charactersSAXFunc) (void *, const xmlChar *, int);
typedef void (*ignorableWhitespaceSAXFunc) (void *, const xmlChar
*, int);
typedef  void  (*processingInstructionSAXFunc)  (void  *,  const
xmlChar *,
                                                 const xmlChar *);
typedef void (*commentSAXFunc) (void *, const xmlChar *);
```

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```
typedef void (*warningSAXFunc) (void *, const char *, ...);
typedef void (*errorSAXFunc) (void *, const char *, ...);
typedef void (*fatalErrorSAXFunc) (void *, const char *, ...);
typedef  xmlEntityPtr(*getParameterEntitySAXFunc)  (void  *,  const
xmlChar *);
typedef void (*cdataBlockSAXFunc) (void *, const xmlChar *, int);
typedef void (*externalSubsetSAXFunc) (void *, const xmlChar *,
                                        const   xmlChar   *,   const
xmlChar *);
typedef void (*startElementNsSAX2Func) (void *, const xmlChar *,
                                         const  xmlChar  *,  const
xmlChar *,
                                         int,  const  xmlChar  *  *,
int, int,
                                         const xmlChar * *);
typedef void (*endElementNsSAX2Func) (void *, const xmlChar *,
                                       const   xmlChar   *,   const
xmlChar *);
typedef struct _xmlSAXHandler {
    internalSubsetSAXFunc internalSubset;
    isStandaloneSAXFunc isStandalone;
    hasInternalSubsetSAXFunc hasInternalSubset;
    hasExternalSubsetSAXFunc hasExternalSubset;
    resolveEntitySAXFunc resolveEntity;
    getEntitySAXFunc getEntity;
    entityDeclSAXFunc entityDecl;
    notationDeclSAXFunc notationDecl;
    attributeDeclSAXFunc attributeDecl;
    elementDeclSAXFunc elementDecl;
    unparsedEntityDeclSAXFunc unparsedEntityDecl;
    setDocumentLocatorSAXFunc setDocumentLocator;
    startDocumentSAXFunc startDocument;
    endDocumentSAXFunc endDocument;
    startElementSAXFunc startElement;
    endElementSAXFunc endElement;
    referenceSAXFunc reference;
    charactersSAXFunc characters;
    ignorableWhitespaceSAXFunc ignorableWhitespace;
    processingInstructionSAXFunc processingInstruction;
    commentSAXFunc comment;
    warningSAXFunc warning;
    errorSAXFunc error;
    fatalErrorSAXFunc fatalError;
    getParameterEntitySAXFunc getParameterEntity;
    cdataBlockSAXFunc cdataBlock;
    externalSubsetSAXFunc externalSubset;
    unsigned int initialized;
    void *_private;
    startElementNsSAX2Func startElementNs;
    endElementNsSAX2Func endElementNs;
    xmlStructuredErrorFunc serror;
} xmlSAXHandler;
extern void xmlSAX2EndElement(void *, const xmlChar *);
extern void xmlSAX2Characters(void *, const xmlChar *, int);
extern int xmlSAX2HasInternalSubset(void *);
extern void xmlSAX2Comment(void *, const xmlChar *);
extern void xmlSAX2ExternalSubset(void *, const xmlChar *, const
xmlChar *,
                                  const xmlChar *);
extern void xmlSAX2StartElementNs(void *, const xmlChar *, const
xmlChar *,
                                  const  xmlChar  *,  int,  const
xmlChar * *,
                                  int, int, const xmlChar * *);
extern void xmlSAX2Reference(void *, const xmlChar *);
```

```
extern void xmlSAX2EndElementNs(void *, const xmlChar *, const
xmlChar *,
                                const xmlChar *);
extern int xmlSAXDefaultVersion(int);
extern const xmlChar *xmlSAX2GetSystemId(void *);
extern void xmlSAX2InitDefaultSAXHandler(xmlSAXHandler *, int);
extern void xmlDefaultSAXHandlerInit(void);
extern void xmlSAX2CDataBlock(void *, const xmlChar *, int);
extern void xmlSAX2IgnorableWhitespace(void *, const xmlChar *,
int);
extern void xmlSAX2ElementDecl(void *, const xmlChar *, int,
                               xmlElementContentPtr);
extern int xmlSAX2IsStandalone(void *);
extern const xmlChar *xmlSAX2GetPublicId(void *);
extern int xmlSAX2GetLineNumber(void *);
extern xmlEntityPtr xmlSAX2GetEntity(void *, const xmlChar *);
extern void xmlSAX2EndDocument(void *);
extern void xmlSAX2AttributeDecl(void *, const xmlChar *, const
xmlChar *,
                                 int, int, const xmlChar *,
                                 xmlEnumerationPtr);
extern void xmlSAX2ProcessingInstruction(void *, const xmlChar *,
                                         const xmlChar *);
extern void xmlSAX2NotationDecl(void *, const xmlChar *, const
xmlChar *,
                                const xmlChar *);
extern void xmlSAX2EntityDecl(void *, const xmlChar *, int,
                              const xmlChar *, const xmlChar *,
xmlChar *);
extern void xmlSAX2StartDocument(void *);
extern xmlParserInputPtr xmlSAX2ResolveEntity(void *, const
xmlChar *,
                                              const xmlChar *);
extern xmlEntityPtr xmlSAX2GetParameterEntity(void *, const
xmlChar *);
extern int xmlSAX2GetColumnNumber(void *);
extern void htmlDefaultSAXHandlerInit(void);
extern int xmlSAX2HasExternalSubset(void *);
extern void xmlSAX2StartElement(void *, const xmlChar *,
                                const xmlChar * *);
extern void xmlSAX2InitDocbDefaultSAXHandler(xmlSAXHandler *);
extern void xmlSAX2SetDocumentLocator(void *, xmlSAXLocatorPtr);
extern void xmlSAX2InitHtmlDefaultSAXHandler(xmlSAXHandler *);
extern void docbDefaultSAXHandlerInit(void);
extern void xmlSAX2UnparsedEntityDecl(void *, const xmlChar *,
                                      const xmlChar *, const
xmlChar *,
                                      const xmlChar *);
extern void xmlSAX2InternalSubset(void *, const xmlChar *, const
xmlChar *,
                                  const xmlChar *);
extern int xmlSAXVersion(xmlSAXHandler *, int);
```

14.2.4 libxml2/libxml/c14n.h

```
typedef int (*xmlC14NIsVisibleCallback) (void *, xmlNodePtr,
xmlNodePtr);
extern int xmlC14NDocDumpMemory(xmlDocPtr, xmlNodeSetPtr, int,
xmlChar * *,
                                int, xmlChar * *);
extern int xmlC14NDocSave(xmlDocPtr, xmlNodeSetPtr, int, xmlChar
* *, int,
                          const char *, int);
extern int xmlC14NDocSaveTo(xmlDocPtr, xmlNodeSetPtr, int,
xmlChar * *,
```

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```
                            int, xmlOutputBufferPtr);
extern  int  xmlC14NExecute(xmlDocPtr,  xmlC14NIsVisibleCallback,
void *, int,
                          xmlChar * *, int, xmlOutputBufferPtr);
```

14.2.5 libxml2/libxml/catalog.h

```
#define XML_CATALOGS_NAMESPACE   \
        (const                     xmlChar                    *)
"urn:oasis:names:tc:entity:xmlns:xml:catalog"
#define XML_CATALOG_PI  (const xmlChar *) "oasis-xml-catalog"

typedef enum {
    XML_CATA_ALLOW_NONE = 0,
    XML_CATA_ALLOW_GLOBAL = 1,
    XML_CATA_ALLOW_DOCUMENT = 2,
    XML_CATA_ALLOW_ALL = 3
} xmlCatalogAllow;
typedef struct _xmlCatalog
 xmlCatalog;
typedef xmlCatalog *xmlCatalogPtr;
typedef enum {
    XML_CATA_PREFER_NONE = 0,
    XML_CATA_PREFER_PUBLIC = 1,
    XML_CATA_PREFER_SYSTEM = 2
} xmlCatalogPrefer;
extern  xmlChar  *xmlCatalogLocalResolveURI(void  *,  const  xmlChar
*);
extern void xmlCatalogSetDefaults(xmlCatalogAllow);
extern void xmlInitializeCatalog(void);
extern xmlCatalogPtr xmlLoadACatalog(const char *);
extern   xmlChar   *xmlACatalogResolvePublic(xmlCatalogPtr,   const
xmlChar *);
extern int xmlCatalogIsEmpty(xmlCatalogPtr);
extern  xmlChar  *xmlACatalogResolve(xmlCatalogPtr,  const  xmlChar
*,
                                  const xmlChar *);
extern void xmlCatalogDump(FILE *);
extern int xmlCatalogAdd(const xmlChar *, const xmlChar *,
                         const xmlChar *);
extern int xmlCatalogSetDebug(int);
extern xmlDocPtr xmlParseCatalogFile(const char *);
extern int xmlACatalogRemove(xmlCatalogPtr, const xmlChar *);
extern xmlChar *xmlCatalogResolveURI(const xmlChar *);
extern void xmlACatalogDump(xmlCatalogPtr, FILE *);
extern  xmlChar  *xmlCatalogResolve(const  xmlChar  *,  const  xmlChar
*);
extern void xmlCatalogCleanup(void);
extern xmlChar *xmlCatalogResolveSystem(const xmlChar *);
extern    xmlChar    *xmlACatalogResolveURI(xmlCatalogPtr,    const
xmlChar *);
extern int xmlCatalogRemove(const xmlChar *);
extern xmlCatalogPtr xmlLoadSGMLSuperCatalog(const char *);
extern int xmlLoadCatalog(const char *);
extern void xmlCatalogFreeLocal(void *);
extern void *xmlCatalogAddLocal(void *, const xmlChar *);
extern  int  xmlACatalogAdd(xmlCatalogPtr,  const  xmlChar  *,  const
xmlChar *,
                          const xmlChar *);
extern int xmlCatalogConvert(void);
extern xmlChar *xmlCatalogResolvePublic(const xmlChar *);
extern int xmlConvertSGMLCatalog(xmlCatalogPtr);
extern xmlCatalogPtr xmlNewCatalog(int);
extern   xmlChar   *xmlACatalogResolveSystem(xmlCatalogPtr,   const
xmlChar *);
```

```
extern void xmlFreeCatalog(xmlCatalogPtr);
extern xmlChar *xmlCatalogLocalResolve(void *, const xmlChar *,
                                       const xmlChar *);
extern xmlCatalogAllow xmlCatalogGetDefaults(void);
extern                                          xmlCatalogPrefer
xmlCatalogSetDefaultPrefer(xmlCatalogPrefer);
extern void xmlLoadCatalogs(const char *);
```

14.2.6 libxml2/libxml/debugXML.h

```
typedef char *(*xmlShellReadlineFunc) (char *);
typedef struct _xmlShellCtxt {
    char *filename;
    xmlDocPtr doc;
    xmlNodePtr node;
    xmlXPathContextPtr pctxt;
    int loaded;
    FILE *output;
    xmlShellReadlineFunc input;
} xmlShellCtxt;
typedef xmlShellCtxt *xmlShellCtxtPtr;
typedef int (*xmlShellCmd) (xmlShellCtxtPtr, char *, xmlNodePtr,
                            xmlNodePtr);
extern const char *xmlBoolToText(int);
extern void xmlDebugDumpAttr(FILE *, xmlAttrPtr, int);
extern void xmlDebugDumpAttrList(FILE *, xmlAttrPtr, int);
extern void xmlDebugDumpDocument(FILE *, xmlDocPtr);
extern void xmlDebugDumpOneNode(FILE *, xmlNodePtr, int);
extern  int  xmlShellCat(xmlShellCtxtPtr,  char  *,  xmlNodePtr,
xmlNodePtr);
extern  int  xmlShellBase(xmlShellCtxtPtr,  char  *,  xmlNodePtr,
xmlNodePtr);
extern  int  xmlShellWrite(xmlShellCtxtPtr,  char  *,  xmlNodePtr,
xmlNodePtr);
extern  int  xmlShellLoad(xmlShellCtxtPtr,  char  *,  xmlNodePtr,
xmlNodePtr);
extern int xmlDebugCheckDocument(FILE *, xmlDocPtr);
extern  int  xmlShellPwd(xmlShellCtxtPtr,  char  *,  xmlNodePtr,
xmlNodePtr);
extern void xmlDebugDumpEntities(FILE *, xmlDocPtr);
extern void xmlDebugDumpNodeList(FILE *, xmlNodePtr, int);
extern void xmlDebugDumpDocumentHead(FILE *, xmlDocPtr);
extern void xmlDebugDumpDTD(FILE *, xmlDtdPtr);
extern void xmlDebugDumpString(FILE *, const xmlChar *);
extern int xmlShellValidate(xmlShellCtxtPtr, char *, xmlNodePtr,
                            xmlNodePtr);
extern  int  xmlShellSave(xmlShellCtxtPtr,  char  *,  xmlNodePtr,
xmlNodePtr);
extern  void  xmlShell(xmlDocPtr,  char  *,  xmlShellReadlineFunc,
FILE *);
extern void xmlDebugDumpNode(FILE *, xmlNodePtr, int);
extern  int  xmlShellDu(xmlShellCtxtPtr,  char  *,  xmlNodePtr,
xmlNodePtr);
extern void xmlShellPrintXPathResult(xmlXPathObjectPtr);
extern  int  xmlShellDir(xmlShellCtxtPtr,  char  *,  xmlNodePtr,
xmlNodePtr);
extern int xmlLsCountNode(xmlNodePtr);
extern void xmlShellPrintNode(xmlNodePtr);
extern void xmlLsOneNode(FILE *, xmlNodePtr);
extern  int  xmlShellList(xmlShellCtxtPtr,  char  *,  xmlNodePtr,
xmlNodePtr);
extern void xmlShellPrintXPathError(int, const char *);
```

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14.2.7 libxml2/libxml/dict.h

```
typedef struct _xmlDict xmlDict;
typedef xmlDict *xmlDictPtr;
extern void xmlDictFree(xmlDictPtr);
extern xmlDictPtr xmlDictCreate(void);
extern const xmlChar *xmlDictExists(xmlDictPtr, const xmlChar *,
int);
extern xmlDictPtr xmlDictCreateSub(xmlDictPtr);
extern int xmlDictReference(xmlDictPtr);
extern int xmlDictSize(xmlDictPtr);
extern void xmlDictCleanup(void);
extern const xmlChar *xmlDictQLookup(xmlDictPtr, const xmlChar *,
                                     const xmlChar *);
extern int xmlDictOwns(xmlDictPtr, const xmlChar *);
extern const xmlChar *xmlDictLookup(xmlDictPtr, const xmlChar *,
int);
```

14.2.8 libxml2/libxml/encoding.h

```
typedef enum {
    XML_CHAR_ENCODING_ERROR = -1,
    XML_CHAR_ENCODING_NONE = 0,
    XML_CHAR_ENCODING_UTF8 = 1,
    XML_CHAR_ENCODING_UTF16LE = 2,
    XML_CHAR_ENCODING_UTF16BE = 3,
    XML_CHAR_ENCODING_UCS4LE = 4,
    XML_CHAR_ENCODING_UCS4BE = 5,
    XML_CHAR_ENCODING_EBCDIC = 6,
    XML_CHAR_ENCODING_UCS4_2143 = 7,
    XML_CHAR_ENCODING_UCS4_3412 = 8,
    XML_CHAR_ENCODING_UCS2 = 9,
    XML_CHAR_ENCODING_8859_1 = 10,
    XML_CHAR_ENCODING_8859_2 = 11,
    XML_CHAR_ENCODING_8859_3 = 12,
    XML_CHAR_ENCODING_8859_4 = 13,
    XML_CHAR_ENCODING_8859_5 = 14,
    XML_CHAR_ENCODING_8859_6 = 15,
    XML_CHAR_ENCODING_8859_7 = 16,
    XML_CHAR_ENCODING_8859_8 = 17,
    XML_CHAR_ENCODING_8859_9 = 18,
    XML_CHAR_ENCODING_2022_JP = 19,
    XML_CHAR_ENCODING_SHIFT_JIS = 20,
    XML_CHAR_ENCODING_EUC_JP = 21,
    XML_CHAR_ENCODING_ASCII = 22
} xmlCharEncoding;
extern const char *xmlGetCharEncodingName(xmlCharEncoding);
extern     int     xmlCharEncInFunc(xmlCharEncodingHandler     *,
xmlBufferPtr,
                            xmlBufferPtr);
extern xmlCharEncodingHandlerPtr xmlFindCharEncodingHandler(const
char *);
extern     int     xmlCharEncOutFunc(xmlCharEncodingHandler     *,
xmlBufferPtr,
                             xmlBufferPtr);
extern int UTF8Toisolat1(unsigned char *, int *, const unsigned
char *,
                         int *);
extern int isolat1ToUTF8(unsigned char *, int *, const unsigned
char *,
                         int *);
extern int xmlCharEncCloseFunc(xmlCharEncodingHandler *);
extern xmlCharEncodingHandlerPtr
xmlGetCharEncodingHandler(xmlCharEncoding);
```

```
extern void xmlCleanupEncodingAliases(void);
extern void xmlCleanupCharEncodingHandlers(void);
extern xmlCharEncoding xmlDetectCharEncoding(const unsigned char
*, int);
extern int xmlAddEncodingAlias(const char *, const char *);
extern                                                void
xmlRegisterCharEncodingHandler(xmlCharEncodingHandlerPtr);
extern const char *xmlGetEncodingAlias(const char *);
extern void xmlInitCharEncodingHandlers(void);
extern  xmlCharEncodingHandlerPtr  xmlNewCharEncodingHandler(const
char *,

xmlCharEncodingInputFunc,

xmlCharEncodingOutputFunc);
extern int xmlDelEncodingAlias(const char *);
extern    int    xmlCharEncFirstLine(xmlCharEncodingHandler    *,
xmlBufferPtr,
                              xmlBufferPtr);
extern xmlCharEncoding xmlParseCharEncoding(const char *);
```

14.2.9 libxml2/libxml/entities.h

```
typedef enum {
    XML_INTERNAL_GENERAL_ENTITY = 1,
    XML_EXTERNAL_GENERAL_PARSED_ENTITY = 2,
    XML_EXTERNAL_GENERAL_UNPARSED_ENTITY = 3,
    XML_INTERNAL_PARAMETER_ENTITY = 4,
    XML_EXTERNAL_PARAMETER_ENTITY = 5,
    XML_INTERNAL_PREDEFINED_ENTITY = 6
} xmlEntityType;
typedef struct _xmlEntity {
    void *_private;
    xmlElementType type;
    const xmlChar *name;
    struct _xmlNode *children;
    struct _xmlNode *last;
    struct _xmlDtd *parent;
    struct _xmlNode *next;
    struct _xmlNode *prev;
    struct _xmlDoc *doc;
    xmlChar *orig;
    xmlChar *content;
    int length;
    xmlEntityType etype;
    const xmlChar *ExternalID;
    const xmlChar *SystemID;
    struct _xmlEntity *nexte;
    const xmlChar *URI;
    int owner;
} xmlEntity;
typedef xmlEntity *xmlEntityPtr;
typedef struct _xmlHashTable
 xmlEntitiesTable;
typedef xmlEntitiesTable *xmlEntitiesTablePtr;
extern   xmlEntityPtr   xmlGetParameterEntity(xmlDocPtr,   const
xmlChar *);
extern  xmlChar  *xmlEncodeSpecialChars(xmlDocPtr,  const  xmlChar
*);
extern  xmlEntityPtr  xmlAddDtdEntity(xmlDocPtr,  const  xmlChar  *,
int,
                                  const   xmlChar   *,   const
xmlChar *,
                                  const xmlChar *);
```

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```
extern                                          xmlEntitiesTablePtr
xmlCopyEntitiesTable(xmlEntitiesTablePtr);
extern xmlEntityPtr xmlGetDtdEntity(xmlDocPtr, const xmlChar *);
extern  xmlEntityPtr  xmlAddDocEntity(xmlDocPtr,  const  xmlChar  *,
int,
                                    const    xmlChar    *,    const
xmlChar *,
                                    const xmlChar *);
extern xmlEntityPtr xmlGetPredefinedEntity(const xmlChar *);
extern           void           xmlDumpEntitiesTable(xmlBufferPtr,
xmlEntitiesTablePtr);
extern   xmlChar   *xmlEncodeEntitiesReentrant(xmlDocPtr,   const
xmlChar *);
extern void xmlFreeEntitiesTable(xmlEntitiesTablePtr);
extern void xmlDumpEntityDecl(xmlBufferPtr, xmlEntityPtr);
extern xmlEntityPtr xmlGetDocEntity(xmlDocPtr, const xmlChar *);
```

14.2.10 libxml2/libxml/globals.h

```
#define xmlDeregisterNodeDefaultValue    \
        (*(__xmlDeregisterNodeDefaultValue()))
#define xmlDoValidityCheckingDefaultValue        \
        (*(__xmlDoValidityCheckingDefaultValue()))
#define xmlOutputBufferCreateFilenameValue       \
        (*(__xmlOutputBufferCreateFilenameValue()))
#define xmlParserInputBufferCreateFilenameValue  \
        (*(__xmlParserInputBufferCreateFilenameValue()))
#define xmlPedanticParserDefaultValue    \
        (*(__xmlPedanticParserDefaultValue()))
#define xmlSubstituteEntitiesDefaultValue        \
        (*(__xmlSubstituteEntitiesDefaultValue()))
#define docbDefaultSAXHandler   (*(__docbDefaultSAXHandler()))
#define htmlDefaultSAXHandler   (*(__htmlDefaultSAXHandler()))
#define oldXMLWDcompatibility   (*(__oldXMLWDcompatibility()))
#define xmlBufferAllocScheme    (*(__xmlBufferAllocScheme()))
#define xmlDefaultBufferSize    (*(__xmlDefaultBufferSize()))
#define xmlDefaultSAXHandler    (*(__xmlDefaultSAXHandler()))
#define xmlDefaultSAXLocator    (*(__xmlDefaultSAXLocator()))
#define xmlGenericError (*(__xmlGenericError()))
#define xmlGenericErrorContext  (*(__xmlGenericErrorContext()))
#define                                 xmlGetWarningsDefaultValue
(*(__xmlGetWarningsDefaultValue()))
#define xmlIndentTreeOutput     (*(__xmlIndentTreeOutput()))
#define                                  xmlKeepBlanksDefaultValue
(*(__xmlKeepBlanksDefaultValue()))
#define xmlLastError    (*(__xmlLastError()))
#define                                xmlLineNumbersDefaultValue
(*(__xmlLineNumbersDefaultValue()))
#define                                  xmlLoadExtDtdDefaultValue
(*(__xmlLoadExtDtdDefaultValue()))
#define xmlParserDebugEntities  (*(__xmlParserDebugEntities()))
#define xmlParserVersion        (*(__xmlParserVersion()))
#define                               xmlRegisterNodeDefaultValue
(*(__xmlRegisterNodeDefaultValue()))
#define xmlSaveNoEmptyTags      (*(__xmlSaveNoEmptyTags()))
#define xmlStructuredError      (*(__xmlStructuredError()))
#define xmlTreeIndentString     (*(__xmlTreeIndentString()))

typedef     xmlOutputBufferPtr(*xmlOutputBufferCreateFilenameFunc)
(const char

*,

xmlCharEncodingHandlerPtr,
```

```
int);
typedef void (*xmlRegisterNodeFunc) (xmlNodePtr);
typedef
xmlParserInputBufferPtr(*xmlParserInputBufferCreateFilenameFunc)
(const

char *,

xmlCharEncoding);
typedef struct _xmlSAXHandlerV1 {
    internalSubsetSAXFunc internalSubset;
    isStandaloneSAXFunc isStandalone;
    hasInternalSubsetSAXFunc hasInternalSubset;
    hasExternalSubsetSAXFunc hasExternalSubset;
    resolveEntitySAXFunc resolveEntity;
    getEntitySAXFunc getEntity;
    entityDeclSAXFunc entityDecl;
    notationDeclSAXFunc notationDecl;
    attributeDeclSAXFunc attributeDecl;
    elementDeclSAXFunc elementDecl;
    unparsedEntityDeclSAXFunc unparsedEntityDecl;
    setDocumentLocatorSAXFunc setDocumentLocator;
    startDocumentSAXFunc startDocument;
    endDocumentSAXFunc endDocument;
    startElementSAXFunc startElement;
    endElementSAXFunc endElement;
    referenceSAXFunc reference;
    charactersSAXFunc characters;
    ignorableWhitespaceSAXFunc ignorableWhitespace;
    processingInstructionSAXFunc processingInstruction;
    commentSAXFunc comment;
    warningSAXFunc warning;
    errorSAXFunc error;
    fatalErrorSAXFunc fatalError;
    getParameterEntitySAXFunc getParameterEntity;
    cdataBlockSAXFunc cdataBlock;
    externalSubsetSAXFunc externalSubset;
    unsigned int initialized;
} xmlSAXHandlerV1;
typedef void (*xmlDeregisterNodeFunc) (xmlNodePtr);
typedef struct _xmlGlobalState
 xmlGlobalState;
typedef xmlGlobalState *xmlGlobalStatePtr;
extern int *__xmlParserDebugEntities(void);
extern int xmlThrDefDoValidityCheckingDefaultValue(int);
extern xmlOutputBufferCreateFilenameFunc
    *__xmlOutputBufferCreateFilenameValue(void);
extern xmlRegisterNodeFunc
xmlThrDefRegisterNodeDefault(xmlRegisterNodeFunc);
extern const char **__xmlTreeIndentString(void);
extern xmlParserInputBufferCreateFilenameFunc
xmlThrDefParserInputBufferCreateFilenameDefault
(xmlParserInputBufferCreateFilenameFunc);
extern xmlSAXLocator *__xmlDefaultSAXLocator(void);
extern xmlParserInputBufferCreateFilenameFunc
    *__xmlParserInputBufferCreateFilenameValue(void);
extern xmlSAXHandlerV1 *__htmlDefaultSAXHandler(void);
extern int *__xmlPedanticParserDefaultValue(void);
extern int xmlThrDefLineNumbersDefaultValue(int);
extern int xmlThrDefIndentTreeOutput(int);
extern xmlMallocFunc xmlMallocAtomic;
extern xmlBufferAllocationScheme
xmlThrDefBufferAllocScheme(xmlBufferAllocationScheme);
extern                                        xmlDeregisterNodeFunc
*__xmlDeregisterNodeDefaultValue(void);
```

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```
extern int xmlThrDefDefaultBufferSize(int);
extern int xmlThrDefKeepBlanksDefaultValue(int);
extern int *__xmlKeepBlanksDefaultValue(void);
extern void xmlThrDefSetStructuredErrorFunc(void *,

xmlStructuredErrorFunc);
extern xmlRegisterNodeFunc *__xmlRegisterNodeDefaultValue(void);
extern int *__xmlDefaultBufferSize(void);
extern                                    xmlRegisterNodeFunc
xmlRegisterNodeDefault(xmlRegisterNodeFunc);
extern void xmlInitGlobals(void);
extern xmlSAXHandlerV1 *__docbDefaultSAXHandler(void);
extern xmlBufferAllocationScheme *__xmlBufferAllocScheme(void);
extern int xmlThrDefPedanticParserDefaultValue(int);
extern xmlStructuredErrorFunc *__xmlStructuredError(void);
extern       void       xmlThrDefSetGenericErrorFunc(void       *,
xmlGenericErrorFunc);
extern xmlOutputBufferCreateFilenameFunc
xmlOutputBufferCreateFilenameDefault(xmlOutputBufferCreateFilenam
eFunc);
extern int *__xmlGetWarningsDefaultValue(void);
extern xmlOutputBufferCreateFilenameFunc
xmlThrDefOutputBufferCreateFilenameDefault
(xmlOutputBufferCreateFilenameFunc);
extern int xmlThrDefGetWarningsDefaultValue(int);
extern xmlParserInputBufferCreateFilenameFunc
xmlParserInputBufferCreateFilenameDefault
(xmlParserInputBufferCreateFilenameFunc);
extern                                  xmlParserInputBufferPtr
xmlParserInputBufferCreateFilename(const

char *,

xmlCharEncoding);
extern int *__xmlIndentTreeOutput(void);
extern int xmlThrDefSaveNoEmptyTags(int);
extern int *__xmlSaveNoEmptyTags(void);
extern xmlStrdupFunc xmlMemStrdup;
extern int *__xmlSubstituteEntitiesDefaultValue(void);
extern int xmlThrDefParserDebugEntities(int);
extern int *__xmlDoValidityCheckingDefaultValue(void);
extern xmlReallocFunc xmlRealloc;
extern void xmlInitializeGlobalState(xmlGlobalStatePtr);
extern const char **__xmlParserVersion(void);
extern int xmlThrDefLoadExtDtdDefaultValue(int);
extern const char *xmlThrDefTreeIndentString(const char *);
extern int *__oldXMLWDcompatibility(void);
extern int xmlThrDefSubstituteEntitiesDefaultValue(int);
extern xmlDeregisterNodeFunc
xmlThrDefDeregisterNodeDefault(xmlDeregisterNodeFunc);
extern void **__xmlGenericErrorContext(void);
extern void xmlCleanupGlobals(void);
extern xmlError *__xmlLastError(void);
extern xmlMallocFunc xmlMalloc;
extern int *__xmlLoadExtDtdDefaultValue(void);
extern xmlFreeFunc xmlFree;
extern int *__xmlLineNumbersDefaultValue(void);
extern xmlDeregisterNodeFunc
xmlDeregisterNodeDefault(xmlDeregisterNodeFunc);
extern xmlSAXHandlerV1 *__xmlDefaultSAXHandler(void);
extern xmlGenericErrorFunc *__xmlGenericError(void);
```

14.2.11 libxml2/libxml/hash.h

```
#define XML_CAST_FPTR(fptr)     fptr
```

```
typedef struct _xmlHashTable xmlHashTable;
typedef xmlHashTable *xmlHashTablePtr;
typedef void (*xmlHashDeallocator) (void *, xmlChar *);
typedef void (*xmlHashScannerFull) (void *, void *, const xmlChar
*,
                                    const   xmlChar   *,   const
xmlChar *);
typedef void *(*xmlHashCopier) (void *, xmlChar *);
typedef void (*xmlHashScanner) (void *, void *, xmlChar *);
extern xmlHashTablePtr xmlHashCreate(int);
extern xmlHashTablePtr xmlHashCreateDict(int, xmlDictPtr);
extern int xmlHashRemoveEntry(xmlHashTablePtr, const xmlChar *,
                              xmlHashDeallocator);
extern void xmlHashScanFull3(xmlHashTablePtr, const xmlChar *,
                             const xmlChar *, const xmlChar *,
                             xmlHashScannerFull, void *);
extern void *xmlHashQLookup3(xmlHashTablePtr, const xmlChar *,
                             const xmlChar *, const xmlChar *,
                             const xmlChar *, const xmlChar *,
                             const xmlChar *);
extern void *xmlHashQLookup(xmlHashTablePtr, const xmlChar *,
                            const xmlChar *);
extern void *xmlHashLookup3(xmlHashTablePtr, const xmlChar *,
                            const xmlChar *, const xmlChar *);
extern        xmlHashTablePtr        xmlHashCopy(xmlHashTablePtr,
xmlHashCopier);
extern int xmlHashAddEntry3(xmlHashTablePtr, const xmlChar *,
                            const  xmlChar  *,  const  xmlChar  *,
void *);
extern void xmlHashFree(xmlHashTablePtr, xmlHashDeallocator);
extern void xmlHashScan3(xmlHashTablePtr, const xmlChar *, const
xmlChar *,
                         const  xmlChar  *,  xmlHashScanner,  void
*);
extern int xmlHashRemoveEntry2(xmlHashTablePtr, const xmlChar *,
                               const          xmlChar          *,
xmlHashDeallocator);
extern void *xmlHashLookup(xmlHashTablePtr, const xmlChar *);
extern int xmlHashUpdateEntry3(xmlHashTablePtr, const xmlChar *,
                               const xmlChar *, const xmlChar *,
void *,
                               xmlHashDeallocator);
extern int xmlHashRemoveEntry3(xmlHashTablePtr, const xmlChar *,
                               const xmlChar *, const xmlChar *,
                               xmlHashDeallocator);
extern int xmlHashSize(xmlHashTablePtr);
extern void xmlHashScan(xmlHashTablePtr, xmlHashScanner, void *);
extern void xmlHashScanFull(xmlHashTablePtr, xmlHashScannerFull,
void *);
extern int xmlHashUpdateEntry(xmlHashTablePtr, const xmlChar *,
void *,
                              xmlHashDeallocator);
extern int xmlHashAddEntry2(xmlHashTablePtr, const xmlChar *,
                            const xmlChar *, void *);
extern void *xmlHashQLookup2(xmlHashTablePtr, const xmlChar *,
                             const xmlChar *, const xmlChar *,
                             const xmlChar *);
extern int xmlHashUpdateEntry2(xmlHashTablePtr, const xmlChar *,
                               const xmlChar *, void *,
                               xmlHashDeallocator);
extern void *xmlHashLookup2(xmlHashTablePtr, const xmlChar *,
                            const xmlChar *);
extern int xmlHashAddEntry(xmlHashTablePtr, const xmlChar *, void
*);
```

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14.2.12 libxml2/libxml/list.h

```
typedef struct _xmlList
 xmlList;
typedef xmlList *xmlListPtr;
typedef struct _xmlLink
 xmlLink;
typedef xmlLink *xmlLinkPtr;
typedef int (*xmlListWalker) (const void *, const void *);
typedef void (*xmlListDeallocator) (xmlLinkPtr);
typedef int (*xmlListDataCompare) (const void *, const void *);
extern int xmlListRemoveFirst(xmlListPtr, void *);
extern xmlLinkPtr xmlListFront(xmlListPtr);
extern xmlListPtr xmlListDup(const xmlListPtr);
extern void xmlListWalk(xmlListPtr, xmlListWalker, const void *);
extern void xmlListSort(xmlListPtr);
extern void *xmlLinkGetData(xmlLinkPtr);
extern int xmlListRemoveAll(xmlListPtr, void *);
extern int xmlListAppend(xmlListPtr, void *);
extern void xmlListDelete(xmlListPtr);
extern void *xmlListReverseSearch(xmlListPtr, void *);
extern void xmlListReverse(xmlListPtr);
extern void *xmlListSearch(xmlListPtr, void *);
extern int xmlListCopy(xmlListPtr, const xmlListPtr);
extern int xmlListSize(xmlListPtr);
extern int xmlListRemoveLast(xmlListPtr, void *);
extern int xmlListPushFront(xmlListPtr, void *);
extern int xmlListInsert(xmlListPtr, void *);
extern int xmlListPushBack(xmlListPtr, void *);
extern  void  xmlListReverseWalk(xmlListPtr,  xmlListWalker,  const
void *);
extern xmlLinkPtr xmlListEnd(xmlListPtr);
extern        xmlListPtr        xmlListCreate(xmlListDeallocator,
xmlListDataCompare);
extern int xmlListEmpty(xmlListPtr);
extern void xmlListPopFront(xmlListPtr);
extern void xmlListPopBack(xmlListPtr);
extern void xmlListClear(xmlListPtr);
extern void xmlListMerge(xmlListPtr, xmlListPtr);
```

14.2.13 libxml2/libxml/parser.h

```
#define XML_DEFAULT_VERSION     "1.0"
#define XML_SAX2_MAGIC  0xDEEDBEAF
#define XML_DETECT_IDS  2
#define XML_COMPLETE_ATTRS      4
#define XML_SKIP_IDS    8

typedef xmlSAXHandler *xmlSAXHandlerPtr;
typedef xmlParserNodeInfoSeq *xmlParserNodeInfoSeqPtr;
typedef  xmlParserInputPtr(*xmlExternalEntityLoader)  (const  char
*,
                                                        const    char
*,

xmlParserCtxtPtr);
typedef xmlParserNodeInfo *xmlParserNodeInfoPtr;
typedef enum {
    XML_WITH_THREAD = 1,
    XML_WITH_TREE = 2,
    XML_WITH_OUTPUT = 3,
    XML_WITH_PUSH = 4,
    XML_WITH_READER = 5,
    XML_WITH_PATTERN = 6,
```

```
    XML_WITH_WRITER = 7,
    XML_WITH_SAX1 = 8,
    XML_WITH_FTP = 9,
    XML_WITH_HTTP = 10,
    XML_WITH_VALID = 11,
    XML_WITH_HTML = 12,
    XML_WITH_LEGACY = 13,
    XML_WITH_C14N = 14,
    XML_WITH_CATALOG = 15,
    XML_WITH_XPATH = 16,
    XML_WITH_XPTR = 17,
    XML_WITH_XINCLUDE = 18,
    XML_WITH_ICONV = 19,
    XML_WITH_ISO8859X = 20,
    XML_WITH_UNICODE = 21,
    XML_WITH_REGEXP = 22,
    XML_WITH_AUTOMATA = 23,
    XML_WITH_EXPR = 24,
    XML_WITH_SCHEMAS = 25,
    XML_WITH_SCHEMATRON = 26,
    XML_WITH_MODULES = 27,
    XML_WITH_DEBUG = 28,
    XML_WITH_DEBUG_MEM = 29,
    XML_WITH_DEBUG_RUN = 30,
    XML_WITH_NONE = 99999
} xmlFeature;
typedef enum {
    XML_PARSE_RECOVER = 1 << 0,
    XML_PARSE_NOENT = 1 << 1,
    XML_PARSE_DTDLOAD = 1 << 2,
    XML_PARSE_DTDATTR = 1 << 3,
    XML_PARSE_DTDVALID = 1 << 4,
    XML_PARSE_NOERROR = 1 << 5,
    XML_PARSE_NOWARNING = 1 << 6,
    XML_PARSE_PEDANTIC = 1 << 7,
    XML_PARSE_NOBLANKS = 1 << 8,
    XML_PARSE_SAX1 = 1 << 9,
    XML_PARSE_XINCLUDE = 1 << 10,
    XML_PARSE_NONET = 1 << 11,
    XML_PARSE_NODICT = 1 << 12,
    XML_PARSE_NSCLEAN = 1 << 13,
    XML_PARSE_NOCDATA = 1 << 14,
    XML_PARSE_NOXINCNODE = 1 << 15,
    XML_PARSE_COMPACT = 1 << 16
} xmlParserOption;
extern  xmlDocPtr  xmlSAXParseMemory(xmlSAXHandlerPtr,  const  char
*, int,
                                     int);
extern void xmlStopParser(xmlParserCtxtPtr);
extern int xmlInitParserCtxt(xmlParserCtxtPtr);
extern void xmlFreeParserCtxt(xmlParserCtxtPtr);
extern void xmlInitNodeInfoSeq(xmlParserNodeInfoSeqPtr);
extern const xmlParserNodeInfo *xmlParserFindNodeInfo(const

xmlParserCtxtPtr,
                                                          const
xmlNodePtr);
extern xmlDocPtr xmlRecoverFile(const char *);
extern xmlDocPtr xmlParseDoc(const xmlChar *);
extern   int   xmlParseCtxtExternalEntity(xmlParserCtxtPtr,   const
xmlChar *,
                                          const xmlChar *, xmlNodePtr
*);
extern xmlParserCtxtPtr xmlCreatePushParserCtxt(xmlSAXHandlerPtr,
void *,
```

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```
                                                const   char   *,
int,
                                                const char *);
extern int xmlSubstituteEntitiesDefault(int);
extern int xmlLineNumbersDefault(int);
extern  xmlParserErrors  xmlParseInNodeContext(xmlNodePtr,  const
char *, int,
                                              int, xmlNodePtr *);
extern void xmlCleanupParser(void);
extern long unsigned int xmlParserFindNodeInfoIndex(const

xmlParserNodeInfoSeqPtr,
                                                      const
xmlNodePtr);
extern xmlDocPtr xmlReadFd(int, const char *, const char *, int);
extern xmlDocPtr xmlCtxtReadFile(xmlParserCtxtPtr, const char *,
                                 const char *, int);
extern int xmlCtxtResetPush(xmlParserCtxtPtr, const char *, int,
                            const char *, const char *);
extern void xmlClearNodeInfoSeq(xmlParserNodeInfoSeqPtr);
extern int xmlParserInputRead(xmlParserInputPtr, int);
extern xmlExternalEntityLoader xmlGetExternalEntityLoader(void);
extern void xmlCtxtReset(xmlParserCtxtPtr);
extern int xmlSAXUserParseMemory(xmlSAXHandlerPtr, void *, const
char *,
                                 int);
extern          xmlDocPtr          xmlReadIO(xmlInputReadCallback,
xmlInputCloseCallback,
                            void  *,  const  char  *,  const  char  *,
int);
extern int xmlParserInputGrow(xmlParserInputPtr, int);
extern  xmlDtdPtr  xmlSAXParseDTD(xmlSAXHandlerPtr,  const  xmlChar
*,
                                const xmlChar *);
extern  int  xmlParseChunk(xmlParserCtxtPtr,  const  char  *,  int,
int);
extern  int  xmlParseExternalEntity(xmlDocPtr,  xmlSAXHandlerPtr,
void *, int,
                                  const  xmlChar  *,  const  xmlChar
*,
                                  xmlNodePtr *);
extern xmlParserCtxtPtr xmlCreateDocParserCtxt(const xmlChar *);
extern xmlDocPtr xmlRecoverDoc(xmlChar *);
extern xmlDocPtr xmlRecoverMemory(const char *, int);
extern         int         xmlParseBalancedChunkMemory(xmlDocPtr,
xmlSAXHandlerPtr, void *,
                                       int,   const   xmlChar   *,
xmlNodePtr *);
extern    xmlDocPtr    xmlSAXParseMemoryWithData(xmlSAXHandlerPtr,
const char *,
                                            int, int, void *);
extern  xmlDocPtr  xmlCtxtReadDoc(xmlParserCtxtPtr,  const  xmlChar
*,
                                const char *, const char *, int);
extern int xmlParseDocument(xmlParserCtxtPtr);
extern xmlDocPtr xmlReadMemory(const char *, int, const char *,
                               const char *, int);
extern xmlDocPtr xmlReadDoc(const xmlChar *, const char *, const
char *,
                            int);
extern xmlParserInputPtr xmlNewIOInputStream(xmlParserCtxtPtr,

xmlParserInputBufferPtr,
                                              xmlCharEncoding);
extern  xmlDocPtr  xmlSAXParseFile(xmlSAXHandlerPtr,  const  char  *,
int);
```

```
extern xmlDocPtr xmlParseFile(const char *);
extern int xmlParseExtParsedEnt(xmlParserCtxtPtr);
extern          xmlDtdPtr          xmlIOParseDTD(xmlSAXHandlerPtr,
xmlParserInputBufferPtr,
                                xmlCharEncoding);
extern int xmlPedanticParserDefault(int);
extern void xmlClearParserCtxt(xmlParserCtxtPtr);
extern  xmlDocPtr  xmlSAXParseEntity(xmlSAXHandlerPtr,  const  char
*);
extern  xmlDocPtr  xmlSAXParseDoc(xmlSAXHandlerPtr,  const  xmlChar
*, int);
extern  xmlDocPtr  xmlSAXParseFileWithData(xmlSAXHandlerPtr,  const
char *,
                                          int, void *);
extern   xmlParserCtxtPtr   xmlCreateIOParserCtxt(xmlSAXHandlerPtr,
void *,

xmlInputReadCallback,

xmlInputCloseCallback,
                                                  void              *,
xmlCharEncoding);
extern   xmlParserInputPtr   xmlLoadExternalEntity(const   char   *,
const char *,
                                                   xmlParserCtxtPtr);
extern  int  xmlSAXUserParseFile(xmlSAXHandlerPtr,  void  *,  const
char *);
extern xmlDocPtr xmlParseMemory(const char *, int);
extern xmlDocPtr xmlReadFile(const char *, const char *, int);
extern  xmlDocPtr  xmlCtxtReadFd(xmlParserCtxtPtr,  int,  const  char
*,
                                const char *, int);
extern void xmlInitParser(void);
extern int xmlCtxtUseOptions(xmlParserCtxtPtr, int);
extern xmlDocPtr xmlParseEntity(const char *);
extern  xmlDocPtr  xmlCtxtReadMemory(xmlParserCtxtPtr,  const  char
*, int,
                                  const  char  *,  const  char  *,
int);
extern long int xmlByteConsumed(xmlParserCtxtPtr);
extern void xmlParserAddNodeInfo(xmlParserCtxtPtr,
                                 const xmlParserNodeInfoPtr);
extern      int      xmlParseBalancedChunkMemoryRecover(xmlDocPtr,
xmlSAXHandlerPtr,
                                                  void  *,  int,  const
xmlChar *,
                                                  xmlNodePtr *, int);
extern   void   xmlSetupParserForBuffer(xmlParserCtxtPtr,   const
xmlChar *,
                                   const char *);
extern xmlParserCtxtPtr xmlNewParserCtxt(void);
extern xmlDtdPtr xmlParseDTD(const xmlChar *, const xmlChar *);
extern int xmlHasFeature(xmlFeature);
extern          xmlDocPtr          xmlCtxtReadIO(xmlParserCtxtPtr,
xmlInputReadCallback,
                                xmlInputCloseCallback,   void   *,
const char *,
                                const char *, int);
extern void xmlSetExternalEntityLoader(xmlExternalEntityLoader);
extern int xmlKeepBlanksDefault(int);
```

14.2.14 libxml2/libxml/parserInternals.h

```
#define IS_ASCII_LETTER(c)       \
```

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```
        (((0x41 <= (c)) && ((c) <= 0x5a)) || ((0x61 <= (c)) &&
((c) <= \
        0x7a)))
#define SKIP_EOL(p)      \
        if (*(p) == 0x13) { p++ ; if (*(p) == 0x10) p++; } if
(*(p) == 0x10) \
        { p++ ; if (*(p) == 0x13) p++; }
#define IS_ASCII_DIGIT(c)       ((0x30 <= (c)) && ((c) <= 0x39))
#define IS_LETTER(c)    (IS_BASECHAR(c) || IS_IDEOGRAPHIC(c))
#define IS_COMBINING_CH(c)      0
#define XML_SUBSTITUTE_NONE     0
#define XML_SUBSTITUTE_REF      1
#define XML_MAX_NAMELEN 100
#define XML_SUBSTITUTE_PEREF    2
#define INPUT_CHUNK     250
#define XML_SUBSTITUTE_BOTH     3
#define  MOVETO_STARTTAG(p)        while ((*p) && (*p) != '<'))
(p)++
#define  MOVETO_ENDTAG(p)          while ((*p) && (*p) != '>'))
(p)++
#define IS_BASECHAR(c)  xmlIsBaseCharQ(c)
#define IS_LETTER_CH(c) xmlIsBaseChar_ch(c)
#define IS_BLANK(c)     xmlIsBlankQ(c)
#define IS_BLANK_CH(c)  xmlIsBlank_ch(c)
#define IS_CHAR(c)      xmlIsCharQ(c)
#define IS_BYTE_CHAR(c) xmlIsChar_ch(c)
#define IS_CHAR_CH(c)   xmlIsChar_ch(c)
#define IS_COMBINING(c) xmlIsCombiningQ(c)
#define IS_DIGIT(c)     xmlIsDigitQ(c)
#define IS_DIGIT_CH(c)  xmlIsDigit_ch(c)
#define IS_EXTENDER(c)  xmlIsExtenderQ(c)
#define IS_EXTENDER_CH(c)       xmlIsExtender_ch(c)
#define IS_IDEOGRAPHIC(c)       xmlIsIdeographicQ(c)
#define IS_PUBIDCHAR(c) xmlIsPubidCharQ(c)
#define IS_PUBIDCHAR_CH(c)      xmlIsPubidChar_ch(c)

typedef void (*xmlEntityReferenceFunc) (xmlEntityPtr, xmlNodePtr,
                                        xmlNodePtr);
extern int nodePush(xmlParserCtxtPtr, xmlNodePtr);
extern void xmlParseElement(xmlParserCtxtPtr);
extern const const xmlChar xmlStringComment[];
extern xmlElementContentPtr
xmlParseElementChildrenContentDecl(xmlParserCtxtPtr, int);
extern void xmlParseContent(xmlParserCtxtPtr);
extern  xmlChar  *xmlParseEntityValue(xmlParserCtxtPtr,  xmlChar  *
*);
extern xmlChar *xmlParseNmtoken(xmlParserCtxtPtr);
extern xmlNodePtr nodePop(xmlParserCtxtPtr);
extern const xmlChar *xmlParsePITarget(xmlParserCtxtPtr);
extern int xmlSwitchToEncoding(xmlParserCtxtPtr,
                               xmlCharEncodingHandlerPtr);
extern void xmlPushInput(xmlParserCtxtPtr, xmlParserInputPtr);
extern  int  xmlStringCurrentChar(xmlParserCtxtPtr,  const  xmlChar
*, int *);
extern void xmlFreeInputStream(xmlParserInputPtr);
extern xmlParserInputPtr xmlNewInputFromFile(xmlParserCtxtPtr,
                                             const char *);
extern void xmlParseMarkupDecl(xmlParserCtxtPtr);
extern unsigned int xmlParserMaxDepth;
extern int xmlParseDefaultDecl(xmlParserCtxtPtr, xmlChar * *);
extern void xmlParseXMLDecl(xmlParserCtxtPtr);
extern  xmlChar  *xmlStringDecodeEntities(xmlParserCtxtPtr,  const
xmlChar *,
                                          int,   xmlChar,   xmlChar,
xmlChar);
extern xmlChar *xmlParsePubidLiteral(xmlParserCtxtPtr);
```

```
extern                                          xmlParserInputPtr
xmlNewEntityInputStream(xmlParserCtxtPtr,
                                                xmlEntityPtr);
extern xmlChar *xmlParseEncName(xmlParserCtxtPtr);
extern  xmlParserCtxtPtr  xmlCreateMemoryParserCtxt(const  char  *,
int);
extern  xmlParserCtxtPtr  xmlCreateEntityParserCtxt(const  xmlChar
*,
                                                 const    xmlChar
*,
                                                 const    xmlChar
*);
extern void xmlParserInputShrink(xmlParserInputPtr);
extern void xmlParserHandlePEReference(xmlParserCtxtPtr);
extern xmlParserCtxtPtr xmlCreateFileParserCtxt(const char *);
extern const xmlChar *xmlParseAttribute(xmlParserCtxtPtr, xmlChar
* *);
extern int xmlCurrentChar(xmlParserCtxtPtr, int *);
extern int xmlIsLetter(int);
extern int xmlParseCharRef(xmlParserCtxtPtr);
extern xmlChar *xmlStringLenDecodeEntities(xmlParserCtxtPtr,
                                           const  xmlChar  *,  int,
int,
                                           xmlChar,       xmlChar,
xmlChar);
extern void xmlParseCharData(xmlParserCtxtPtr, int);
extern xmlChar *xmlParseExternalID(xmlParserCtxtPtr, xmlChar * *,
int);
extern xmlChar *xmlParseSystemLiteral(xmlParserCtxtPtr);
extern                                          xmlEnumerationPtr
xmlParseEnumerationType(xmlParserCtxtPtr);
extern xmlParserInputPtr inputPop(xmlParserCtxtPtr);
extern  xmlParserCtxtPtr  xmlCreateURLParserCtxt(const  char  *,
int);
extern const xmlChar *xmlParseEncodingDecl(xmlParserCtxtPtr);
extern const xmlChar *xmlParseStartTag(xmlParserCtxtPtr);
extern xmlChar *xmlParseVersionNum(xmlParserCtxtPtr);
extern const xmlChar *namePop(xmlParserCtxtPtr);
extern void xmlParseMisc(xmlParserCtxtPtr);
extern void xmlParsePI(xmlParserCtxtPtr);
extern int xmlSwitchEncoding(xmlParserCtxtPtr, xmlCharEncoding);
extern xmlParserInputPtr xmlNewInputStream(xmlParserCtxtPtr);
extern void xmlParseTextDecl(xmlParserCtxtPtr);
extern xmlChar *xmlParseVersionInfo(xmlParserCtxtPtr);
extern int inputPush(xmlParserCtxtPtr, xmlParserInputPtr);
extern  int  xmlParseElementContentDecl(xmlParserCtxtPtr,  const
xmlChar *,
                                     xmlElementContentPtr *);
extern xmlChar *xmlSplitQName(xmlParserCtxtPtr, const xmlChar *,
                              xmlChar * *);
extern void xmlParseReference(xmlParserCtxtPtr);
extern        int        xmlParseEnumeratedType(xmlParserCtxtPtr,
xmlEnumerationPtr *);
extern void xmlParseComment(xmlParserCtxtPtr);
extern void xmlParsePEReference(xmlParserCtxtPtr);
extern void xmlSetEntityReferenceFunc(xmlEntityReferenceFunc);
extern int xmlParseSDDecl(xmlParserCtxtPtr);
extern void xmlParseEntityDecl(xmlParserCtxtPtr);
extern int xmlSkipBlankChars(xmlParserCtxtPtr);
extern void xmlParseDocTypeDecl(xmlParserCtxtPtr);
extern void htmlInitAutoClose(void);
extern const const xmlChar xmlStringText[];
extern xmlChar *xmlParseAttValue(xmlParserCtxtPtr);
extern int namePush(xmlParserCtxtPtr, const xmlChar *);
extern        int        xmlSwitchInputEncoding(xmlParserCtxtPtr,
xmlParserInputPtr,
```

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```
                                xmlCharEncodingHandlerPtr);
extern xmlElementContentPtr
xmlParseElementMixedContentDecl(xmlParserCtxtPtr, int);
extern void xmlParseCDSect(xmlParserCtxtPtr);
extern htmlParserCtxtPtr htmlCreateFileParserCtxt(const char *,
                                                   const char *);
extern   void   xmlParseExternalSubset(xmlParserCtxtPtr,   const
xmlChar *,
                                const xmlChar *);
extern xmlChar xmlPopInput(xmlParserCtxtPtr);
extern void xmlNextChar(xmlParserCtxtPtr);
extern                                          xmlParserInputPtr
xmlNewStringInputStream(xmlParserCtxtPtr,
                                                const     xmlChar
*);
extern int xmlCopyCharMultiByte(xmlChar *, int);
extern const xmlChar *xmlParseName(xmlParserCtxtPtr);
extern xmlEnumerationPtr xmlParseNotationType(xmlParserCtxtPtr);
extern void xmlParseEndTag(xmlParserCtxtPtr);
extern void xmlParseNotationDecl(xmlParserCtxtPtr);
extern int xmlParseElementDecl(xmlParserCtxtPtr);
extern         int         xmlParseAttributeType(xmlParserCtxtPtr,
xmlEnumerationPtr *);
extern void xmlParseAttributeListDecl(xmlParserCtxtPtr);
extern const const xmlChar xmlStringTextNoenc[];
extern int xmlCopyChar(int, xmlChar *, int);
extern xmlEntityPtr xmlParseEntityRef(xmlParserCtxtPtr);
```

14.2.15 libxml2/libxml/pattern.h

```
typedef struct _xmlStreamCtxt
 xmlStreamCtxt;
typedef xmlStreamCtxt *xmlStreamCtxtPtr;
typedef struct _xmlPattern
 xmlPattern;
typedef xmlPattern *xmlPatternPtr;
typedef enum {
    XML_PATTERN_DEFAULT = 0,
    XML_PATTERN_XPATH = 1 << 0,
    XML_PATTERN_XSSEL = 1 << 1,
    XML_PATTERN_XSFIELD = 1 << 2
} xmlPatternFlags;
extern int xmlStreamPush(xmlStreamCtxtPtr, const xmlChar *,
                         const xmlChar *);
extern int xmlStreamPushAttr(xmlStreamCtxtPtr, const xmlChar *,
                             const xmlChar *);
extern void xmlFreePattern(xmlPatternPtr);
extern int xmlPatternFromRoot(xmlPatternPtr);
extern  xmlPatternPtr  xmlPatterncompile(const  xmlChar  *,  xmlDict
*, int,
                                         const xmlChar * *);
extern int xmlPatternMatch(xmlPatternPtr, xmlNodePtr);
extern void xmlFreePatternList(xmlPatternPtr);
extern int xmlPatternMaxDepth(xmlPatternPtr);
extern int xmlPatternStreamable(xmlPatternPtr);
extern int xmlPatternMinDepth(xmlPatternPtr);
extern int xmlStreamPop(xmlStreamCtxtPtr);
extern void xmlFreeStreamCtxt(xmlStreamCtxtPtr);
extern xmlStreamCtxtPtr xmlPatternGetStreamCtxt(xmlPatternPtr);
```

14.2.16 libxml2/libxml/relaxng.h

```
typedef struct _xmlRelaxNGParserCtxt
 xmlRelaxNGParserCtxt;
```

```
typedef xmlRelaxNGParserCtxt *xmlRelaxNGParserCtxtPtr;
typedef struct _xmlRelaxNGValidCtxt
 xmlRelaxNGValidCtxt;
typedef xmlRelaxNGValidCtxt *xmlRelaxNGValidCtxtPtr;
typedef struct _xmlRelaxNG
 xmlRelaxNG;
typedef xmlRelaxNG *xmlRelaxNGPtr;
typedef  void  (*xmlRelaxNGValidityErrorFunc)  (void  *,  const  char
*, ...);
typedef void (*xmlRelaxNGValidityWarningFunc) (void *, const char
*, ...);
typedef enum {
    XML_RELAXNG_OK = 0,
    XML_RELAXNG_ERR_MEMORY,
    XML_RELAXNG_ERR_TYPE,
    XML_RELAXNG_ERR_TYPEVAL,
    XML_RELAXNG_ERR_DUPID,
    XML_RELAXNG_ERR_TYPECMP,
    XML_RELAXNG_ERR_NOSTATE,
    XML_RELAXNG_ERR_NODEFINE,
    XML_RELAXNG_ERR_LISTEXTRA,
    XML_RELAXNG_ERR_LISTEMPTY,
    XML_RELAXNG_ERR_INTERNODATA,
    XML_RELAXNG_ERR_INTERSEQ,
    XML_RELAXNG_ERR_INTEREXTRA,
    XML_RELAXNG_ERR_ELEMNAME,
    XML_RELAXNG_ERR_ATTRNAME,
    XML_RELAXNG_ERR_ELEMNONS,
    XML_RELAXNG_ERR_ATTRNONS,
    XML_RELAXNG_ERR_ELEMWRONGNS,
    XML_RELAXNG_ERR_ATTRWRONGNS,
    XML_RELAXNG_ERR_ELEMEXTRANS,
    XML_RELAXNG_ERR_ATTREXTRANS,
    XML_RELAXNG_ERR_ELEMNOTEMPTY,
    XML_RELAXNG_ERR_NOELEM,
    XML_RELAXNG_ERR_NOTELEM,
    XML_RELAXNG_ERR_ATTRVALID,
    XML_RELAXNG_ERR_CONTENTVALID,
    XML_RELAXNG_ERR_EXTRACONTENT,
    XML_RELAXNG_ERR_INVALIDATTR,
    XML_RELAXNG_ERR_DATAELEM,
    XML_RELAXNG_ERR_VALELEM,
    XML_RELAXNG_ERR_LISTELEM,
    XML_RELAXNG_ERR_DATATYPE,
    XML_RELAXNG_ERR_VALUE,
    XML_RELAXNG_ERR_LIST,
    XML_RELAXNG_ERR_NOGRAMMAR,
    XML_RELAXNG_ERR_EXTRADATA,
    XML_RELAXNG_ERR_LACKDATA,
    XML_RELAXNG_ERR_INTERNAL,
    XML_RELAXNG_ERR_ELEMWRONG,
    XML_RELAXNG_ERR_TEXTWRONG
} xmlRelaxNGValidErr;
typedef enum {
    XML_RELAXNGP_NONE = 0,
    XML_RELAXNGP_FREE_DOC = 1,
    XML_RELAXNGP_CRNG = 2
} xmlRelaxNGParserFlag;
extern xmlRelaxNGParserCtxtPtr xmlRelaxNGNewParserCtxt(const char
*);
extern                                                      void
xmlRelaxNGSetValidStructuredErrors(xmlRelaxNGValidCtxtPtr,

xmlStructuredErrorFunc,
                                                void *);
extern int xmlRelaxParserSetFlag(xmlRelaxNGParserCtxtPtr, int);
```

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```
extern void xmlRelaxNGFreeValidCtxt(xmlRelaxNGValidCtxtPtr);
extern void xmlRelaxNGFree(xmlRelaxNGPtr);
extern void xmlRelaxNGSetParserErrors(xmlRelaxNGParserCtxtPtr,

xmlRelaxNGValidityErrorFunc,

xmlRelaxNGValidityWarningFunc,
                                      void *);
extern xmlRelaxNGPtr xmlRelaxNGParse(xmlRelaxNGParserCtxtPtr);
extern                                    xmlRelaxNGParserCtxtPtr
xmlRelaxNGNewDocParserCtxt(xmlDocPtr);
extern  int  xmlRelaxNGValidateFullElement(xmlRelaxNGValidCtxtPtr,
xmlDocPtr,
                                         xmlNodePtr);
extern  int  xmlRelaxNGValidatePopElement(xmlRelaxNGValidCtxtPtr,
xmlDocPtr,
                                        xmlNodePtr);
extern int xmlRelaxNGInitTypes(void);
extern void xmlRelaxNGSetValidErrors(xmlRelaxNGValidCtxtPtr,
                                     xmlRelaxNGValidityErrorFunc,

xmlRelaxNGValidityWarningFunc,
                                     void *);
extern void xmlRelaxNGDumpTree(FILE *, xmlRelaxNGPtr);
extern void xmlRelaxNGDump(FILE *, xmlRelaxNGPtr);
extern  int  xmlRelaxNGValidatePushElement(xmlRelaxNGValidCtxtPtr,
xmlDocPtr,
                                         xmlNodePtr);
extern                                       xmlRelaxNGValidCtxtPtr
xmlRelaxNGNewValidCtxt(xmlRelaxNGPtr);
extern void xmlRelaxNGCleanupTypes(void);
extern void xmlRelaxNGFreeParserCtxt(xmlRelaxNGParserCtxtPtr);
extern int xmlRelaxNGGetValidErrors(xmlRelaxNGValidCtxtPtr,
                                    xmlRelaxNGValidityErrorFunc
*,
                                    xmlRelaxNGValidityWarningFunc
*,
                                    void **);
extern      int      xmlRelaxNGValidateDoc(xmlRelaxNGValidCtxtPtr,
xmlDocPtr);
extern int xmlRelaxNGGetParserErrors(xmlRelaxNGParserCtxtPtr,
                                     xmlRelaxNGValidityErrorFunc
*,

xmlRelaxNGValidityWarningFunc *,
                                     void **);
extern  xmlRelaxNGParserCtxtPtr  xmlRelaxNGNewMemParserCtxt(const
char *,
                                                            int);
extern int xmlRelaxNGValidatePushCData(xmlRelaxNGValidCtxtPtr,
                                       const xmlChar *, int);
```

14.2.17 libxml2/libxml/schematron.h

```
typedef struct _xmlSchematronValidCtxt
 xmlSchematronValidCtxt;
typedef xmlSchematronValidCtxt *xmlSchematronValidCtxtPtr;
typedef struct _xmlSchematron
 xmlSchematron;
typedef xmlSchematron *xmlSchematronPtr;
typedef struct _xmlSchematronParserCtxt
 xmlSchematronParserCtxt;
typedef xmlSchematronParserCtxt *xmlSchematronParserCtxtPtr;
typedef enum {
    XML_SCHEMATRON_OUT_QUIET = 1 << 0,
```

```
    XML_SCHEMATRON_OUT_TEXT = 1 << 1,
    XML_SCHEMATRON_OUT_XML = 1 << 2,
    XML_SCHEMATRON_OUT_FILE = 1 << 8,
    XML_SCHEMATRON_OUT_BUFFER = 1 << 9,
    XML_SCHEMATRON_OUT_IO = 1 << 10
} xmlSchematronValidOptions;
extern xmlSchematronValidCtxtPtr
xmlSchematronNewValidCtxt(xmlSchematronPtr, int);
extern                                                    void
xmlSchematronFreeValidCtxt(xmlSchematronValidCtxtPtr);
extern   int   xmlSchematronValidateDoc(xmlSchematronValidCtxtPtr,
xmlDocPtr);
extern                                xmlSchematronParserCtxtPtr
xmlSchematronNewMemParserCtxt(const char

*, int);
extern                                xmlSchematronParserCtxtPtr
xmlSchematronNewParserCtxt(const char *);
extern                                          xmlSchematronPtr
xmlSchematronParse(xmlSchematronParserCtxtPtr);
extern void xmlSchematronFree(xmlSchematronPtr);
extern                                                    void
xmlSchematronFreeParserCtxt(xmlSchematronParserCtxtPtr);
extern                                xmlSchematronParserCtxtPtr
xmlSchematronNewDocParserCtxt(xmlDocPtr);
```

14.2.18 libxml2/libxml/threads.h

```
typedef struct _xmlRMutex
 xmlRMutex;
typedef xmlRMutex *xmlRMutexPtr;
typedef struct _xmlMutex
 xmlMutex;
typedef xmlMutex *xmlMutexPtr;
extern int xmlGetThreadId(void);
extern xmlRMutexPtr xmlNewRMutex(void);
extern void xmlCleanupThreads(void);
extern void xmlFreeRMutex(xmlRMutexPtr);
extern xmlMutexPtr xmlNewMutex(void);
extern int xmlIsMainThread(void);
extern void xmlUnlockLibrary(void);
extern void xmlRMutexLock(xmlRMutexPtr);
extern void xmlRMutexUnlock(xmlRMutexPtr);
extern void xmlMutexUnlock(xmlMutexPtr);
extern void xmlMutexLock(xmlMutexPtr);
extern xmlGlobalStatePtr xmlGetGlobalState(void);
extern void xmlInitThreads(void);
extern void xmlLockLibrary(void);
extern void xmlFreeMutex(xmlMutexPtr);
```

14.2.19 libxml2/libxml/tree.h

```
#define XML_GET_CONTENT(n)       \
        ((n)->type == XML_ELEMENT_NODE ? NULL : (n)->content)
#define XML_XML_NAMESPACE        \
        (const xmlChar *) "http://www.w3.org/XML/1998/namespace"
#define XML_XML_ID      (const xmlChar *) "xml:id"
#define XML_GET_LINE(n) (xmlGetLineNo(n))
#define BASE_BUFFER_SIZE        4096
#define xmlChildrenNode children
#define xmlRootNode     children
#define XML_LOCAL_NAMESPACE     XML_NAMESPACE_DECL

typedef enum {
```

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```
    XML_BUFFER_ALLOC_DOUBLEIT = 0,
    XML_BUFFER_ALLOC_EXACT = 1,
    XML_BUFFER_ALLOC_IMMUTABLE = 2
} xmlBufferAllocationScheme;
typedef struct _xmlBuffer {
    xmlChar *content;
    unsigned int use;
    unsigned int size;
    xmlBufferAllocationScheme alloc;
} xmlBuffer;
typedef xmlBuffer *xmlBufferPtr;
typedef enum {
    XML_ELEMENT_NODE = 1,
    XML_ATTRIBUTE_NODE = 2,
    XML_TEXT_NODE = 3,
    XML_CDATA_SECTION_NODE = 4,
    XML_ENTITY_REF_NODE = 5,
    XML_ENTITY_NODE = 6,
    XML_PI_NODE = 7,
    XML_COMMENT_NODE = 8,
    XML_DOCUMENT_NODE = 9,
    XML_DOCUMENT_TYPE_NODE = 10,
    XML_DOCUMENT_FRAG_NODE = 11,
    XML_NOTATION_NODE = 12,
    XML_HTML_DOCUMENT_NODE = 13,
    XML_DTD_NODE = 14,
    XML_ELEMENT_DECL = 15,
    XML_ATTRIBUTE_DECL = 16,
    XML_ENTITY_DECL = 17,
    XML_NAMESPACE_DECL = 18,
    XML_XINCLUDE_START = 19,
    XML_XINCLUDE_END = 20,
    XML_DOCB_DOCUMENT_NODE = 21
} xmlElementType;
typedef xmlElementType xmlNsType;
typedef struct _xmlNs {
    struct _xmlNs *next;
    xmlNsType type;
    const xmlChar *href;
    const xmlChar *prefix;
    void *_private;
} xmlNs;
typedef enum {
    XML_ATTRIBUTE_CDATA = 1,
    XML_ATTRIBUTE_ID = 2,
    XML_ATTRIBUTE_IDREF = 3,
    XML_ATTRIBUTE_IDREFS = 4,
    XML_ATTRIBUTE_ENTITY = 5,
    XML_ATTRIBUTE_ENTITIES = 6,
    XML_ATTRIBUTE_NMTOKEN = 7,
    XML_ATTRIBUTE_NMTOKENS = 8,
    XML_ATTRIBUTE_ENUMERATION = 9,
    XML_ATTRIBUTE_NOTATION = 10
} xmlAttributeType;
typedef struct _xmlNode {
    void *_private;
    xmlElementType type;
    const xmlChar *name;
    struct _xmlNode *children;
    struct _xmlNode *last;
    struct _xmlNode *parent;
    struct _xmlNode *next;
    struct _xmlNode *prev;
    struct _xmlDoc *doc;
    xmlNs *ns;
    xmlChar *content;
```

```
        struct _xmlAttr *properties;
        xmlNs *nsDef;
        void *psvi;
        short unsigned int line;
        short unsigned int extra;
    } xmlNode;
    typedef xmlNode *xmlNodePtr;
    typedef struct _xmlDoc {
        void *_private;
        xmlElementType type;
        char *name;
        struct _xmlNode *children;
        struct _xmlNode *last;
        struct _xmlNode *parent;
        struct _xmlNode *next;
        struct _xmlNode *prev;
        struct _xmlDoc *doc;
        int compression;
        int standalone;
        struct _xmlDtd *intSubset;
        struct _xmlDtd *extSubset;
        struct _xmlNs *oldNs;
        const xmlChar *version;
        const xmlChar *encoding;
        void *ids;
        void *refs;
        const xmlChar *URL;
        int charset;
        struct _xmlDict *dict;
        void *psvi;
    } xmlDoc;
    typedef xmlDoc *xmlDocPtr;
    typedef xmlNs *xmlNsPtr;
    typedef struct _xmlDtd {
        void *_private;
        xmlElementType type;
        const xmlChar *name;
        struct _xmlNode *children;
        struct _xmlNode *last;
        struct _xmlDoc *parent;
        struct _xmlNode *next;
        struct _xmlNode *prev;
        struct _xmlDoc *doc;
        void *notations;
        void *elements;
        void *attributes;
        void *entities;
        const xmlChar *ExternalID;
        const xmlChar *SystemID;
        void *pentities;
    } xmlDtd;
    typedef xmlDtd *xmlDtdPtr;
    typedef struct _xmlDOMWrapCtxt {
        void *_private;
    } xmlDOMWrapCtxt;
    typedef xmlDOMWrapCtxt *xmlDOMWrapCtxtPtr;
    typedef struct _xmlAttr {
        void *_private;
        xmlElementType type;
        const xmlChar *name;
        struct _xmlNode *children;
        struct _xmlNode *last;
        struct _xmlNode *parent;
        struct _xmlAttr *next;
        struct _xmlAttr *prev;
        struct _xmlDoc *doc;
```

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```
    xmlNs *ns;
    xmlAttributeType atype;
    void *psvi;
} xmlAttr;
typedef xmlAttr *xmlAttrPtr;
typedef  int  (*xmlOutputWriteCallback)  (void  *,  const  char  *,
int);
typedef int (*xmlOutputCloseCallback) (void *);
typedef int (*xmlCharEncodingInputFunc) (unsigned char *, int *,
                                          const  unsigned  char  *,
int *);
typedef int (*xmlCharEncodingOutputFunc) (unsigned char *, int *,
                                           const  unsigned  char  *,
int *);
typedef struct _xmlCharEncodingHandler {
    char *name;
    xmlCharEncodingInputFunc input;
    xmlCharEncodingOutputFunc output;
    iconv_t iconv_in;
    iconv_t iconv_out;
} xmlCharEncodingHandler;
typedef xmlCharEncodingHandler *xmlCharEncodingHandlerPtr;
typedef struct _xmlOutputBuffer {
    void *context;
    xmlOutputWriteCallback writecallback;
    xmlOutputCloseCallback closecallback;
    xmlCharEncodingHandlerPtr encoder;
    xmlBufferPtr buffer;
    xmlBufferPtr conv;
    int written;
    int error;
} xmlOutputBuffer;
typedef xmlOutputBuffer *xmlOutputBufferPtr;
extern const xmlChar *xmlBufferContent(const xmlBufferPtr);
extern                                                        void
xmlSetBufferAllocationScheme(xmlBufferAllocationScheme);
extern xmlNodePtr xmlDocSetRootElement(xmlDocPtr, xmlNodePtr);
extern  xmlNsPtr  xmlNewNs(xmlNodePtr,  const  xmlChar  *,  const
xmlChar *);
extern  xmlChar  *xmlGetNsProp(xmlNodePtr,  const  xmlChar  *,  const
xmlChar *);
extern int xmlSaveFile(const char *, xmlDocPtr);
extern  int  xmlNodeDump(xmlBufferPtr,  xmlDocPtr,  xmlNodePtr,  int,
int);
extern void xmlSetTreeDoc(xmlNodePtr, xmlDocPtr);
extern void xmlUnlinkNode(xmlNodePtr);
extern xmlChar *xmlSplitQName2(const xmlChar *, xmlChar * *);
extern void xmlFreeDtd(xmlDtdPtr);
extern const xmlChar *xmlSplitQName3(const xmlChar *, int *);
extern void xmlDOMWrapFreeCtxt(xmlDOMWrapCtxtPtr);
extern int xmlGetCompressMode(void);
extern     xmlNodePtr     xmlDocCopyNodeList(xmlDocPtr,     const
xmlNodePtr);
extern   xmlNodePtr   xmlNewDocNodeEatName(xmlDocPtr,   xmlNsPtr,
xmlChar *,
                                          const xmlChar *);
extern  xmlNodePtr  xmlStringGetNodeList(xmlDocPtr,  const  xmlChar
*);
extern  xmlNodePtr  xmlNewDocPI(xmlDocPtr,  const  xmlChar  *,  const
xmlChar *);
extern int xmlUnsetNsProp(xmlNodePtr, xmlNsPtr, const xmlChar *);
extern void xmlSetCompressMode(int);
extern void xmlSetDocCompressMode(xmlDocPtr, int);
extern xmlNodePtr xmlNewText(const xmlChar *);
extern xmlNodePtr xmlDocGetRootElement(xmlDocPtr);
extern int xmlValidateName(const xmlChar *, int);
```

```
extern void xmlAttrSerializeTxtContent(xmlBufferPtr, xmlDocPtr,
xmlAttrPtr,
                                       const xmlChar *);
extern long int xmlGetLineNo(xmlNodePtr);
extern int xmlNodeBufGetContent(xmlBufferPtr, xmlNodePtr);
extern xmlAttrPtr xmlHasProp(xmlNodePtr, const xmlChar *);
extern xmlNodePtr xmlNewReference(xmlDocPtr, const xmlChar *);
extern void xmlNodeSetContentLen(xmlNodePtr, const xmlChar *,
int);
extern void xmlFreeNsList(xmlNsPtr);
extern int xmlSaveFormatFileEnc(const char *, xmlDocPtr, const
char *,
                                int);
extern void xmlFreeDoc(xmlDocPtr);
extern xmlNodePtr xmlNewDocFragment(xmlDocPtr);
extern xmlNodePtr xmlNewCharRef(xmlDocPtr, const xmlChar *);
extern int xmlTextConcat(xmlNodePtr, const xmlChar *, int);
extern void xmlBufferEmpty(xmlBufferPtr);
extern int xmlNodeGetSpacePreserve(xmlNodePtr);
extern int xmlBufferCCat(xmlBufferPtr, const char *);
extern int xmlSaveFormatFileTo(xmlOutputBufferPtr, xmlDocPtr,
const char *,
                               int);
extern xmlBufferPtr xmlBufferCreate(void);
extern xmlChar *xmlNodeGetBase(xmlDocPtr, xmlNodePtr);
extern xmlChar *xmlGetNoNsProp(xmlNodePtr, const xmlChar *);
extern xmlDOMWrapCtxtPtr xmlDOMWrapNewCtxt(void);
extern void xmlBufferWriteQuotedString(xmlBufferPtr, const
xmlChar *);
extern xmlAttrPtr xmlNewDocProp(xmlDocPtr, const xmlChar *,
                                const xmlChar *);
extern int xmlBufferAddHead(xmlBufferPtr, const xmlChar *, int);
extern xmlNodePtr xmlNewTextLen(const xmlChar *, int);
extern int xmlUnsetProp(xmlNodePtr, const xmlChar *);
extern xmlNsPtr *xmlGetNsList(xmlDocPtr, xmlNodePtr);
extern void xmlDocDumpMemory(xmlDocPtr, xmlChar * *, int *);
extern int xmlSaveFileEnc(const char *, xmlDocPtr, const char *);
extern xmlNodePtr xmlNewPI(const xmlChar *, const xmlChar *);
extern xmlDocPtr xmlNewDoc(const xmlChar *);
extern xmlChar *xmlNodeListGetString(xmlDocPtr, xmlNodePtr, int);
extern xmlChar *xmlNodeListGetRawString(xmlDocPtr, xmlNodePtr,
int);
extern void xmlFreePropList(xmlAttrPtr);
extern void xmlBufferWriteCHAR(xmlBufferPtr, const xmlChar *);
extern xmlNodePtr xmlNewDocNode(xmlDocPtr, xmlNsPtr, const
xmlChar *,
                                const xmlChar *);
extern int xmlRemoveProp(xmlAttrPtr);
extern int xmlBufferShrink(xmlBufferPtr, unsigned int);
extern xmlNodePtr xmlStringLenGetNodeList(xmlDocPtr, const
xmlChar *, int);
extern xmlNodePtr xmlTextMerge(xmlNodePtr, xmlNodePtr);
extern void xmlFreeNs(xmlNsPtr);
extern xmlNodePtr xmlNewTextChild(xmlNodePtr, xmlNsPtr, const
xmlChar *,
                                  const xmlChar *);
extern xmlNsPtr xmlCopyNamespaceList(xmlNsPtr);
extern void xmlBufferWriteChar(xmlBufferPtr, const char *);
extern xmlChar *xmlNodeGetContent(xmlNodePtr);
extern xmlNodePtr xmlCopyNodeList(const xmlNodePtr);
extern xmlChar *xmlNodeGetLang(xmlNodePtr);
extern int xmlValidateNMToken(const xmlChar *, int);
extern xmlBufferPtr xmlBufferCreateStatic(void *, size_t);
extern int xmlBufferGrow(xmlBufferPtr, unsigned int);
extern xmlNodePtr xmlAddPrevSibling(xmlNodePtr, xmlNodePtr);
extern int xmlReconciliateNs(xmlDocPtr, xmlNodePtr);
```

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```
extern int xmlValidateQName(const xmlChar *, int);
extern int xmlValidateNCName(const xmlChar *, int);
extern   void   xmlNodeDumpOutput(xmlOutputBufferPtr,   xmlDocPtr,
xmlNodePtr,
                              int, int, const char *);
extern xmlDtdPtr xmlGetIntSubset(xmlDocPtr);
extern   xmlAttrPtr   xmlNewNsProp(xmlNodePtr,   xmlNsPtr,   const
xmlChar *,
                               const xmlChar *);
extern xmlNodePtr xmlNewComment(const xmlChar *);
extern int xmlGetDocCompressMode(xmlDocPtr);
extern  xmlAttrPtr  xmlSetProp(xmlNodePtr,  const  xmlChar  *,  const
xmlChar *);
extern                                  xmlBufferAllocationScheme
xmlGetBufferAllocationScheme(void);
extern  xmlNodePtr  xmlNewCDataBlock(xmlDocPtr,  const  xmlChar  *,
int);
extern void xmlNodeSetContent(xmlNodePtr, const xmlChar *);
extern void xmlFreeProp(xmlAttrPtr);
extern  xmlNodePtr  xmlNewDocRawNode(xmlDocPtr,  xmlNsPtr,  const
xmlChar *,
                                  const xmlChar *);
extern  xmlAttrPtr  xmlNewProp(xmlNodePtr,  const  xmlChar  *,  const
xmlChar *);
extern int xmlBufferDump(FILE *, xmlBufferPtr);
extern  xmlNodePtr  xmlNewDocTextLen(xmlDocPtr,  const  xmlChar  *,
int);
extern xmlDtdPtr xmlCopyDtd(xmlDtdPtr);
extern xmlBufferPtr xmlBufferCreateSize(size_t);
extern void xmlNodeSetBase(xmlNodePtr, const xmlChar *);
extern xmlNodePtr xmlReplaceNode(xmlNodePtr, xmlNodePtr);
extern  int  xmlSaveFileTo(xmlOutputBufferPtr,  xmlDocPtr,  const
char *);
extern   xmlAttrPtr   xmlNewNsPropEatName(xmlNodePtr,   xmlNsPtr,
xmlChar *,
                                     const xmlChar *);
extern  xmlChar  *xmlBuildQName(const  xmlChar  *,  const  xmlChar  *,
xmlChar *,
                              int);
extern int xmlBufferResize(xmlBufferPtr, unsigned int);
extern  void  xmlNodeAddContentLen(xmlNodePtr,  const  xmlChar  *,
int);
extern void xmlSetNs(xmlNodePtr, xmlNsPtr);
extern xmlDtdPtr xmlCreateIntSubset(xmlDocPtr, const xmlChar *,
                                    const   xmlChar   *,   const
xmlChar *);
extern void xmlDocDumpFormatMemory(xmlDocPtr, xmlChar * *, int *,
int);
extern int xmlBufferLength(const xmlBufferPtr);
extern void xmlBufferSetAllocationScheme(xmlBufferPtr,

xmlBufferAllocationScheme);
extern int xmlBufferAdd(xmlBufferPtr, const xmlChar *, int);
extern xmlNodePtr xmlNewDocComment(xmlDocPtr, const xmlChar *);
extern  xmlNsPtr  xmlSearchNsByHref(xmlDocPtr,  xmlNodePtr,  const
xmlChar *);
extern int xmlBufferCat(xmlBufferPtr, const xmlChar *);
extern xmlNodePtr xmlNewNode(xmlNsPtr, const xmlChar *);
extern int xmlNodeIsText(xmlNodePtr);
extern  xmlNodePtr  xmlDocCopyNode(const  xmlNodePtr,  xmlDocPtr,
int);
extern int xmlDocFormatDump(FILE *, xmlDocPtr, int);
extern xmlNodePtr xmlCopyNode(const xmlNodePtr, int);
extern int xmlIsBlankNode(xmlNodePtr);
extern xmlNodePtr xmlAddChild(xmlNodePtr, xmlNodePtr);
extern xmlAttrPtr xmlCopyPropList(xmlNodePtr, xmlAttrPtr);
```

```
extern int xmlDocDump(FILE *, xmlDocPtr);
extern void xmlBufferFree(xmlBufferPtr);
extern void xmlElemDump(FILE *, xmlDocPtr, xmlNodePtr);
extern xmlAttrPtr xmlCopyProp(xmlNodePtr, xmlAttrPtr);
extern xmlNodePtr xmlAddSibling(xmlNodePtr, xmlNodePtr);
extern void xmlNodeSetSpacePreserve(xmlNodePtr, int);
extern int xmlIsXHTML(const xmlChar *, const xmlChar *);
extern xmlChar *xmlGetProp(xmlNodePtr, const xmlChar *);
extern xmlNodePtr xmlGetLastChild(xmlNodePtr);
extern int xmlSaveFormatFile(const char *, xmlDocPtr, int);
extern void xmlSetListDoc(xmlNodePtr, xmlDocPtr);
extern xmlNodePtr xmlNewDocText(xmlDocPtr, const xmlChar *);
extern void xmlDocDumpMemoryEnc(xmlDocPtr, xmlChar * *, int *,
                                const char *);
extern void xmlNodeAddContent(xmlNodePtr, const xmlChar *);
extern xmlDocPtr xmlCopyDoc(xmlDocPtr, int);
extern xmlNodePtr xmlNewChild(xmlNodePtr, xmlNsPtr, const xmlChar
*,
                              const xmlChar *);
extern xmlNsPtr xmlCopyNamespace(xmlNsPtr);
extern xmlChar *xmlGetNodePath(xmlNodePtr);
extern void xmlFreeNode(xmlNodePtr);
extern void xmlDocDumpFormatMemoryEnc(xmlDocPtr, xmlChar * *, int
*,
                                      const char *, int);
extern xmlNsPtr xmlSearchNs(xmlDocPtr, xmlNodePtr, const xmlChar
*);
extern void xmlNodeSetLang(xmlNodePtr, const xmlChar *);
extern xmlNodePtr xmlAddChildList(xmlNodePtr, xmlNodePtr);
extern void xmlNodeSetName(xmlNodePtr, const xmlChar *);
extern xmlDtdPtr xmlNewDtd(xmlDocPtr, const xmlChar *, const
xmlChar *,
                           const xmlChar *);
extern xmlAttrPtr xmlSetNsProp(xmlNodePtr, xmlNsPtr, const
xmlChar *,
                               const xmlChar *);
extern xmlNodePtr xmlNewNodeEatName(xmlNsPtr, xmlChar *);
extern xmlAttrPtr xmlHasNsProp(xmlNodePtr, const xmlChar *,
                               const xmlChar *);
extern void xmlFreeNodeList(xmlNodePtr);
extern xmlNodePtr xmlAddNextSibling(xmlNodePtr, xmlNodePtr);
```

14.2.20 libxml2/libxml/uri.h

```
typedef struct _xmlURI {
    char *scheme;
    char *opaque;
    char *authority;
    char *server;
    char *user;
    int port;
    char *path;
    char *query;
    char *fragment;
    int cleanup;
} xmlURI;
typedef xmlURI *xmlURIPtr;
extern void xmlFreeURI(xmlURIPtr);
extern xmlChar *xmlCanonicPath(const xmlChar *);
extern xmlURIPtr xmlParseURI(const char *);
extern int xmlParseURIReference(xmlURIPtr, const char *);
extern int xmlNormalizeURIPath(char *);
extern void xmlPrintURI(FILE *, xmlURIPtr);
extern xmlChar *xmlBuildRelativeURI(const xmlChar *, const
xmlChar *);
```

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```
extern xmlChar *xmlSaveUri(xmlURIPtr);
extern char *xmlURIUnescapeString(const char *, int, char *);
extern xmlChar *xmlBuildURI(const xmlChar *, const xmlChar *);
extern xmlURIPtr xmlParseURIRaw(const char *, int);
extern xmlURIPtr xmlCreateURI(void);
extern xmlChar *xmlURIEscape(const xmlChar *);
extern xmlChar *xmlURIEscapeStr(const xmlChar *, const xmlChar
*);
```

14.2.21 libxml2/libxml/valid.h

```
typedef xmlValidCtxt *xmlValidCtxtPtr;
typedef struct _xmlHashTable xmlAttributeTable;
typedef xmlAttributeTable *xmlAttributeTablePtr;
typedef enum {
    XML_ELEMENT_TYPE_UNDEFINED = 0,
    XML_ELEMENT_TYPE_EMPTY = 1,
    XML_ELEMENT_TYPE_ANY = 2,
    XML_ELEMENT_TYPE_MIXED = 3,
    XML_ELEMENT_TYPE_ELEMENT = 4
} xmlElementTypeVal;
typedef enum {
    XML_ATTRIBUTE_NONE = 1,
    XML_ATTRIBUTE_REQUIRED = 2,
    XML_ATTRIBUTE_IMPLIED = 3,
    XML_ATTRIBUTE_FIXED = 4
} xmlAttributeDefault;
typedef struct _xmlAttribute {
    void *_private;
    xmlElementType type;
    const xmlChar *name;
    struct _xmlNode *children;
    struct _xmlNode *last;
    struct _xmlDtd *parent;
    struct _xmlNode *next;
    struct _xmlNode *prev;
    struct _xmlDoc *doc;
    struct _xmlAttribute *nexth;
    xmlAttributeType atype;
    xmlAttributeDefault def;
    const xmlChar *defaultValue;
    xmlEnumerationPtr tree;
    const xmlChar *prefix;
    const xmlChar *elem;
} xmlAttribute;
typedef xmlAttribute *xmlAttributePtr;
typedef struct _xmlElement {
    void *_private;
    xmlElementType type;
    const xmlChar *name;
    struct _xmlNode *children;
    struct _xmlNode *last;
    struct _xmlDtd *parent;
    struct _xmlNode *next;
    struct _xmlNode *prev;
    struct _xmlDoc *doc;
    xmlElementTypeVal etype;
    xmlElementContentPtr content;
    xmlAttributePtr attributes;
    const xmlChar *prefix;
    xmlRegexpPtr contModel;
} xmlElement;
typedef xmlElement *xmlElementPtr;
typedef struct _xmlHashTable xmlNotationTable;
typedef xmlNotationTable *xmlNotationTablePtr;
```

```
typedef struct _xmlNotation {
    const xmlChar *name;
    const xmlChar *PublicID;
    const xmlChar *SystemID;
} xmlNotation;
typedef xmlNotation *xmlNotationPtr;
typedef struct _xmlID {
    struct _xmlID *next;
    const xmlChar *value;
    xmlAttrPtr attr;
    const xmlChar *name;
    int lineno;
    struct _xmlDoc *doc;
} xmlID;
typedef xmlID *xmlIDPtr;
typedef struct _xmlRef {
    struct _xmlRef *next;
    const xmlChar *value;
    xmlAttrPtr attr;
    const xmlChar *name;
    int lineno;
} xmlRef;
typedef xmlRef *xmlRefPtr;
typedef struct _xmlHashTable xmlElementTable;
typedef xmlElementTable *xmlElementTablePtr;
typedef struct _xmlHashTable xmlIDTable;
typedef xmlIDTable *xmlIDTablePtr;
typedef struct _xmlHashTable xmlRefTable;
typedef xmlRefTable *xmlRefTablePtr;
extern int xmlIsRef(xmlDocPtr, xmlNodePtr, xmlAttrPtr);
extern  int  xmlValidateOneNamespace(xmlValidCtxtPtr,  xmlDocPtr,
xmlNodePtr,
                                  const xmlChar *, xmlNsPtr,
                                  const xmlChar *);
extern xmlEnumerationPtr xmlCreateEnumeration(const xmlChar *);
extern xmlListPtr xmlGetRefs(xmlDocPtr, const xmlChar *);
extern int xmlIsMixedElement(xmlDocPtr, const xmlChar *);
extern int xmlValidateNmtokensValue(const xmlChar *);
extern int xmlValidateNameValue(const xmlChar *);
extern                                          xmlAttributeTablePtr
xmlCopyAttributeTable(xmlAttributeTablePtr);
extern xmlElementContentPtr xmlNewDocElementContent(xmlDocPtr,
                                                        const  xmlChar
*,

xmlElementContentType);
extern   int   xmlValidateAttributeValue(xmlAttributeType,   const
xmlChar *);
extern void xmlDumpElementDecl(xmlBufferPtr, xmlElementPtr);
extern int xmlRemoveID(xmlDocPtr, xmlAttrPtr);
extern           void           xmlDumpNotationTable(xmlBufferPtr,
xmlNotationTablePtr);
extern void xmlFreeEnumeration(xmlEnumerationPtr);
extern     void     xmlSnprintfElementContent(char     *,     int,
xmlElementContentPtr,
                                     int);
extern int xmlValidateNotationUse(xmlValidCtxtPtr, xmlDocPtr,
                                const xmlChar *);
extern int xmlValidateDocument(xmlValidCtxtPtr, xmlDocPtr);
extern  int  xmlValidateOneAttribute(xmlValidCtxtPtr,  xmlDocPtr,
xmlNodePtr,
                                  xmlAttrPtr, const xmlChar *);
extern     xmlChar     *xmlValidNormalizeAttributeValue(xmlDocPtr,
xmlNodePtr,
                                                  const xmlChar *,
                                                  const xmlChar *);
```

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```
extern    xmlElementPtr    xmlGetDtdElementDesc(xmlDtdPtr,    const
xmlChar *);
extern int xmlValidateDtd(xmlValidCtxtPtr, xmlDocPtr, xmlDtdPtr);
extern int xmlValidateDocumentFinal(xmlValidCtxtPtr, xmlDocPtr);
extern     xmlAttributePtr     xmlAddAttributeDecl(xmlValidCtxtPtr,
xmlDtdPtr,
                                          const xmlChar *,
                                          const xmlChar *,
                                          const xmlChar *,
                                          xmlAttributeType,
                                          xmlAttributeDefault,
                                          const xmlChar *,
                                          xmlEnumerationPtr);
extern int xmlValidateNamesValue(const xmlChar *);
extern    xmlAttributePtr    xmlGetDtdQAttrDesc(xmlDtdPtr,    const
xmlChar *,
                                         const xmlChar *,
                                         const xmlChar *);
extern          void          xmlFreeDocElementContent(xmlDocPtr,
xmlElementContentPtr);
extern int xmlValidateElementDecl(xmlValidCtxtPtr, xmlDocPtr,
                                  xmlElementPtr);
extern xmlValidCtxtPtr xmlNewValidCtxt(void);
extern int xmlValidateNmtokenValue(const xmlChar *);
extern    xmlElementPtr    xmlGetDtdQElementDesc(xmlDtdPtr,    const
xmlChar *,
                                          const xmlChar *);
extern                                        xmlNotationTablePtr
xmlCopyNotationTable(xmlNotationTablePtr);
extern void xmlDumpNotationDecl(xmlBufferPtr, xmlNotationPtr);
extern   int   xmlValidatePushElement(xmlValidCtxtPtr,   xmlDocPtr,
xmlNodePtr,
                                  const xmlChar *);
extern int xmlValidateNotationDecl(xmlValidCtxtPtr, xmlDocPtr,
                                   xmlNotationPtr);
extern     xmlNotationPtr     xmlAddNotationDecl(xmlValidCtxtPtr,
xmlDtdPtr,
                                        const  xmlChar  *,  const
xmlChar *,
                                        const xmlChar *);
extern       int       xmlValidBuildContentModel(xmlValidCtxtPtr,
xmlElementPtr);
extern   int   xmlValidatePopElement(xmlValidCtxtPtr,   xmlDocPtr,
xmlNodePtr,
                                 const xmlChar *);
extern   xmlIDPtr   xmlAddID(xmlValidCtxtPtr,   xmlDocPtr,   const
xmlChar *,
                         xmlAttrPtr);
extern xmlElementContentPtr xmlCopyDocElementContent(xmlDocPtr,

xmlElementContentPtr);
extern xmlAttributePtr xmlGetDtdAttrDesc(xmlDtdPtr, const xmlChar
*,
                                        const xmlChar *);
extern xmlEnumerationPtr xmlCopyEnumeration(xmlEnumerationPtr);
extern int xmlValidateAttributeDecl(xmlValidCtxtPtr, xmlDocPtr,
                                    xmlAttributePtr);
extern   xmlRefPtr   xmlAddRef(xmlValidCtxtPtr,   xmlDocPtr,   const
xmlChar *,
                           xmlAttrPtr);
extern void xmlFreeElementTable(xmlElementTablePtr);
extern          void          xmlDumpAttributeTable(xmlBufferPtr,
xmlAttributeTablePtr);
extern   int   xmlValidateOneElement(xmlValidCtxtPtr,   xmlDocPtr,
xmlNodePtr);
extern int xmlIsID(xmlDocPtr, xmlNodePtr, xmlAttrPtr);
```

```
extern void xmlFreeIDTable(xmlIDTablePtr);
extern int xmlRemoveRef(xmlDocPtr, xmlAttrPtr);
extern int xmlValidGetValidElements(xmlNode *, xmlNode *,
                                    const xmlChar * *, int);
extern void xmlFreeNotationTable(xmlNotationTablePtr);
extern void xmlFreeRefTable(xmlRefTablePtr);
extern   xmlNotationPtr   xmlGetDtdNotationDesc(xmlDtdPtr,   const
xmlChar *);
extern int xmlValidateRoot(xmlValidCtxtPtr, xmlDocPtr);
extern                                          xmlElementTablePtr
xmlCopyElementTable(xmlElementTablePtr);
extern      xmlElementPtr      xmlAddElementDecl(xmlValidCtxtPtr,
xmlDtdPtr,
                                      const      xmlChar      *,
xmlElementTypeVal,
                                      xmlElementContentPtr);
extern void xmlFreeValidCtxt(xmlValidCtxtPtr);
extern int xmlValidateDtdFinal(xmlValidCtxtPtr, xmlDocPtr);
extern           void           xmlDumpElementTable(xmlBufferPtr,
xmlElementTablePtr);
extern void xmlDumpAttributeDecl(xmlBufferPtr, xmlAttributePtr);
extern    int    xmlValidateElement(xmlValidCtxtPtr,    xmlDocPtr,
xmlNodePtr);
extern xmlAttrPtr xmlGetID(xmlDocPtr, const xmlChar *);
extern int xmlValidatePushCData(xmlValidCtxtPtr, const xmlChar *,
int);
extern void xmlFreeAttributeTable(xmlAttributeTablePtr);
extern int xmlValidGetPotentialChildren(xmlElementContent *,
                                        const xmlChar * *, int *,
int);
extern                                                     xmlChar
*xmlValidCtxtNormalizeAttributeValue(xmlValidCtxtPtr,
                                                     xmlDocPtr,
xmlNodePtr,
                                                     const  xmlChar
*,
                                                     const  xmlChar
*);
```

14.2.22 libxml2/libxml/xinclude.h

```
#define XINCLUDE_PARSE_ENCODING (const xmlChar *) "encoding"
#define XINCLUDE_FALLBACK       (const xmlChar *) "fallback"
#define XINCLUDE_HREF   (const xmlChar *) "href"
#define       XINCLUDE_OLD_NS       (const       xmlChar       *)
"http://www.w3.org/2001/XInclude"
#define    XINCLUDE_NS                    (const    xmlChar    *)
"http://www.w3.org/2003/XInclude"
#define XINCLUDE_NODE   (const xmlChar *) "include"
#define XINCLUDE_PARSE  (const xmlChar *) "parse"
#define XINCLUDE_PARSE_TEXT     (const xmlChar *) "text"
#define XINCLUDE_PARSE_XML      (const xmlChar *) "xml"
#define XINCLUDE_PARSE_XPOINTER (const xmlChar *) "xpointer"

typedef struct _xmlXIncludeCtxt
 xmlXIncludeCtxt;
typedef xmlXIncludeCtxt *xmlXIncludeCtxtPtr;
extern int xmlXIncludeProcess(xmlDocPtr);
extern void xmlXIncludeFreeContext(xmlXIncludeCtxtPtr);
extern int xmlXIncludeProcessTree(xmlNodePtr);
extern xmlXIncludeCtxtPtr xmlXIncludeNewContext(xmlDocPtr);
extern int xmlXIncludeSetFlags(xmlXIncludeCtxtPtr, int);
extern       int       xmlXIncludeProcessNode(xmlXIncludeCtxtPtr,
xmlNodePtr);
extern int xmlXIncludeProcessTreeFlags(xmlNodePtr, int);
```

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```
extern int xmlXIncludeProcessFlags(xmlDocPtr, int);
```

14.2.23 libxml2/libxml/xmlIO.h

```
typedef int (*xmlOutputMatchCallback) (const char *);
typedef void *(*xmlOutputOpenCallback) (const char *);
typedef struct _xmlParserNodeInfo {
    const struct _xmlNode *node;
    long unsigned int begin_pos;
    long unsigned int begin_line;
    long unsigned int end_pos;
    long unsigned int end_line;
} xmlParserNodeInfo;
typedef struct _xmlParserNodeInfoSeq {
    long unsigned int maximum;
    long unsigned int length;
    xmlParserNodeInfo *buffer;
} xmlParserNodeInfoSeq;
typedef void (*xmlValidityErrorFunc) (void *, const char *, ...);
typedef  void  (*xmlValidityWarningFunc)  (void  *,  const  char  *,
...);
typedef struct _xmlValidState
 xmlValidState;
typedef struct _xmlValidCtxt {
    void *userData;
    xmlValidityErrorFunc error;
    xmlValidityWarningFunc warning;
    xmlNodePtr node;
    int nodeNr;
    int nodeMax;
    xmlNodePtr *nodeTab;
    unsigned int finishDtd;
    xmlDocPtr doc;
    int valid;
    xmlValidState *vstate;
    int vstateNr;
    int vstateMax;
    xmlValidState *vstateTab;
    xmlAutomataPtr am;
    xmlAutomataStatePtr state;
} xmlValidCtxt;
typedef enum {
    XML_PARSER_EOF = -1,
    XML_PARSER_START = 0,
    XML_PARSER_MISC = 1,
    XML_PARSER_PI = 2,
    XML_PARSER_DTD = 3,
    XML_PARSER_PROLOG = 4,
    XML_PARSER_COMMENT = 5,
    XML_PARSER_START_TAG = 6,
    XML_PARSER_CONTENT = 7,
    XML_PARSER_CDATA_SECTION = 8,
    XML_PARSER_END_TAG = 9,
    XML_PARSER_ENTITY_DECL = 10,
    XML_PARSER_ENTITY_VALUE = 11,
    XML_PARSER_ATTRIBUTE_VALUE = 12,
    XML_PARSER_SYSTEM_LITERAL = 13,
    XML_PARSER_EPILOG = 14,
    XML_PARSER_IGNORE = 15,
    XML_PARSER_PUBLIC_LITERAL = 16
} xmlParserInputState;
typedef enum {
    XML_PARSE_UNKNOWN = 0,
    XML_PARSE_DOM = 1,
    XML_PARSE_SAX = 2,
```

```
        XML_PARSE_PUSH_DOM = 3,
        XML_PARSE_PUSH_SAX = 4,
        XML_PARSE_READER = 5
    } xmlParserMode;
    typedef struct _xmlParserCtxt {
        struct _xmlSAXHandler *sax;
        void *userData;
        xmlDocPtr myDoc;
        int wellFormed;
        int replaceEntities;
        const xmlChar *version;
        const xmlChar *encoding;
        int standalone;
        int html;
        xmlParserInputPtr input;
        int inputNr;
        int inputMax;
        xmlParserInputPtr *inputTab;
        xmlNodePtr node;
        int nodeNr;
        int nodeMax;
        xmlNodePtr *nodeTab;
        int record_info;
        xmlParserNodeInfoSeq node_seq;
        int errNo;
        int hasExternalSubset;
        int hasPErefs;
        int external;
        int valid;
        int validate;
        xmlValidCtxt vctxt;
        xmlParserInputState instate;
        int token;
        char *directory;
        const xmlChar *name;
        int nameNr;
        int nameMax;
        const xmlChar **nameTab;
        long int nbChars;
        long int checkIndex;
        int keepBlanks;
        int disableSAX;
        int inSubset;
        const xmlChar *intSubName;
        xmlChar *extSubURI;
        xmlChar *extSubSystem;
        int *space;
        int spaceNr;
        int spaceMax;
        int *spaceTab;
        int depth;
        xmlParserInputPtr entity;
        int charset;
        int nodelen;
        int nodemem;
        int pedantic;
        void *_private;
        int loadsubset;
        int linenumbers;
        void *catalogs;
        int recovery;
        int progressive;
        xmlDictPtr dict;
        const xmlChar **atts;
        int maxatts;
        int docdict;
```

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```
    const xmlChar *str_xml;
    const xmlChar *str_xmlns;
    const xmlChar *str_xml_ns;
    int sax2;
    int nsNr;
    int nsMax;
    const xmlChar **nsTab;
    int *attallocs;
    void **pushTab;
    xmlHashTablePtr attsDefault;
    xmlHashTablePtr attsSpecial;
    int nsWellFormed;
    int options;
    int dictNames;
    int freeElemsNr;
    xmlNodePtr freeElems;
    int freeAttrsNr;
    xmlAttrPtr freeAttrs;
    xmlError lastError;
    xmlParserMode parseMode;
} xmlParserCtxt;
typedef xmlParserCtxt *xmlParserCtxtPtr;
typedef int (*xmlInputMatchCallback) (const char *);
typedef void *(*xmlInputOpenCallback) (const char *);
extern int xmlOutputBufferClose(xmlOutputBufferPtr);
extern void *xmlIOHTTPOpenW(const char *, int);
extern char *xmlParserGetDirectory(const char *);
extern void xmlRegisterDefaultOutputCallbacks(void);
extern  int  xmlOutputBufferWriteString(xmlOutputBufferPtr,  const
char *);
extern  int  xmlOutputBufferWrite(xmlOutputBufferPtr,  int,  const
char *);
extern int xmlRegisterOutputCallbacks(xmlOutputMatchCallback,
                                      xmlOutputOpenCallback,
                                      xmlOutputWriteCallback,
                                      xmlOutputCloseCallback);
extern void xmlCleanupInputCallbacks(void);
extern void xmlRegisterHTTPPostCallbacks(void);
extern xmlOutputBufferPtr xmlOutputBufferCreateFd(int,

xmlCharEncodingHandlerPtr);
extern int xmlIOFTPMatch(const char *);
extern                                      xmlParserInputBufferPtr
xmlParserInputBufferCreateFile(FILE *,

xmlCharEncoding);
extern int xmlFileClose(void *);
extern xmlParserInputBufferPtr xmlParserInputBufferCreateFd(int,

xmlCharEncoding);
extern int xmlIOHTTPMatch(const char *);
extern                                          xmlOutputBufferPtr
xmlAllocOutputBuffer(xmlCharEncodingHandlerPtr);
extern                                      xmlParserInputBufferPtr
xmlParserInputBufferCreateStatic(const char

*, int,

xmlCharEncoding);
extern                                      xmlParserInputBufferPtr
xmlParserInputBufferCreateMem(const char *,
                                                              int,

xmlCharEncoding);
extern int xmlIOFTPRead(void *, char *, int);
```

```
extern                                          xmlOutputBufferPtr
xmlOutputBufferCreateIO(xmlOutputWriteCallback,

xmlOutputCloseCallback,
                                                  void *,

xmlCharEncodingHandlerPtr);
extern int xmlCheckFilename(const char *);
extern xmlChar *xmlNormalizeWindowsPath(const xmlChar *);
extern int xmlIOFTPClose(void *);
extern int xmlFileRead(void *, char *, int);
extern  xmlParserInputPtr  xmlNoNetExternalEntityLoader(const  char
*,
                                                          const   char
*,

xmlParserCtxtPtr);
extern                                      xmlParserInputBufferPtr
xmlAllocParserInputBuffer(xmlCharEncoding);
extern xmlParserInputPtr xmlCheckHTTPInput(xmlParserCtxtPtr,
                                            xmlParserInputPtr);
extern int xmlRegisterInputCallbacks(xmlInputMatchCallback,
                                     xmlInputOpenCallback,
                                     xmlInputReadCallback,
                                     xmlInputCloseCallback);
extern void xmlCleanupOutputCallbacks(void);
extern void *xmlIOFTPOpen(const char *);
extern void xmlRegisterDefaultInputCallbacks(void);
extern int xmlPopInputCallbacks(void);
extern xmlParserInputBufferPtr
xmlParserInputBufferCreateIO(xmlInputReadCallback,
xmlInputCloseCallback,
                             void *, xmlCharEncoding);
extern int xmlParserInputBufferPush(xmlParserInputBufferPtr, int,
                                    const char *);
extern    int    xmlParserInputBufferRead(xmlParserInputBufferPtr,
int);
extern xmlOutputBufferPtr xmlOutputBufferCreateFile(FILE *,

xmlCharEncodingHandlerPtr);
extern void *xmlIOHTTPOpen(const char *);
extern int xmlIOHTTPRead(void *, char *, int);
extern int xmlOutputBufferFlush(xmlOutputBufferPtr);
extern int xmlFileMatch(const char *);
extern    int    xmlParserInputBufferGrow(xmlParserInputBufferPtr,
int);
extern void *xmlFileOpen(const char *);
extern  int  xmlOutputBufferWriteEscape(xmlOutputBufferPtr,  const
xmlChar *,
                                        xmlCharEncodingOutputFunc);
extern int xmlIOHTTPClose(void *);
extern void xmlFreeParserInputBuffer(xmlParserInputBufferPtr);
extern   xmlOutputBufferPtr   xmlOutputBufferCreateFilename(const
char *,

xmlCharEncodingHandlerPtr,
                                                            int);
```

14.2.24 libxml2/libxml/xmlautomata.h

```
typedef struct _xmlAutomataState
 xmlAutomataState;
typedef xmlAutomataState *xmlAutomataStatePtr;
typedef struct _xmlAutomata
 xmlAutomata;
```

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```
typedef xmlAutomata *xmlAutomataPtr;
extern                                          xmlAutomataStatePtr
xmlAutomataNewTransition2(xmlAutomataPtr,

xmlAutomataStatePtr,

xmlAutomataStatePtr,
                                                      const
xmlChar *,
                                                      const
xmlChar *,
                                                      void *);
extern                                          xmlAutomataStatePtr
xmlAutomataNewCounterTrans(xmlAutomataPtr,

xmlAutomataStatePtr,

xmlAutomataStatePtr,
                                                       int);
extern xmlAutomataStatePtr xmlAutomataNewEpsilon(xmlAutomataPtr,

xmlAutomataStatePtr,

xmlAutomataStatePtr);
extern                                          xmlAutomataStatePtr
xmlAutomataNewCountTrans(xmlAutomataPtr,

xmlAutomataStatePtr,

xmlAutomataStatePtr,
                                                     const  xmlChar
*, int,
                                                     int, void *);
extern void xmlFreeAutomata(xmlAutomataPtr);
extern                                          xmlAutomataStatePtr
xmlAutomataGetInitState(xmlAutomataPtr);
extern xmlRegexpPtr xmlAutomataCompile(xmlAutomataPtr);
extern                                          xmlAutomataStatePtr
xmlAutomataNewTransition(xmlAutomataPtr,

xmlAutomataStatePtr,

xmlAutomataStatePtr,
                                                     const  xmlChar
*,
                                                     void *);
extern int xmlAutomataIsDeterminist(xmlAutomataPtr);
extern xmlAutomataStatePtr xmlAutomataNewAllTrans(xmlAutomataPtr,

xmlAutomataStatePtr,

xmlAutomataStatePtr,
                                                    int);
extern int xmlAutomataNewCounter(xmlAutomataPtr, int, int);
extern xmlAutomataStatePtr xmlAutomataNewState(xmlAutomataPtr);
extern                                          xmlAutomataStatePtr
xmlAutomataNewCountedTrans(xmlAutomataPtr,

xmlAutomataStatePtr,

xmlAutomataStatePtr,
                                                       int);
extern                                          xmlAutomataStatePtr
xmlAutomataNewCountTrans2(xmlAutomataPtr,

xmlAutomataStatePtr,
```

```
xmlAutomataStatePtr,
                                                        const
xmlChar *,
                                                        const
xmlChar *, int,
                                                        int,     void
*);
extern xmlAutomataStatePtr xmlAutomataNewNegTrans(xmlAutomataPtr,

xmlAutomataStatePtr,

xmlAutomataStatePtr,
                                                    const    xmlChar
*,
                                                    const    xmlChar
*, void *);
extern                                          xmlAutomataStatePtr
xmlAutomataNewOnceTrans2(xmlAutomataPtr,

xmlAutomataStatePtr,

xmlAutomataStatePtr,
                                                      const  xmlChar
*,
                                                      const  xmlChar
*, int,
                                                      int, void *);
extern                                          xmlAutomataStatePtr
xmlAutomataNewOnceTrans(xmlAutomataPtr,

xmlAutomataStatePtr,

xmlAutomataStatePtr,
                                                     const   xmlChar
*, int,
                                                     int, void *);
extern        int        xmlAutomataSetFinalState(xmlAutomataPtr,
xmlAutomataStatePtr);
extern xmlAutomataPtr xmlNewAutomata(void);
```

14.2.25 libxml2/libxml/xmlerror.h

```
typedef int (*xmlInputReadCallback) (void *, char *, int);
typedef int (*xmlInputCloseCallback) (void *);
typedef struct _xmlParserInputBuffer {
    void *context;
    xmlInputReadCallback readcallback;
    xmlInputCloseCallback closecallback;
    xmlCharEncodingHandlerPtr encoder;
    xmlBufferPtr buffer;
    xmlBufferPtr raw;
    int compressed;
    int error;
    long unsigned int rawconsumed;
} xmlParserInputBuffer;
typedef xmlParserInputBuffer *xmlParserInputBufferPtr;
typedef void (*xmlParserInputDeallocate) (xmlChar *);
typedef struct _xmlParserInput {
    xmlParserInputBufferPtr buf;
    const char *filename;
    const char *directory;
    const xmlChar *base;
    const xmlChar *cur;
    const xmlChar *end;
```

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```
    int length;
    int line;
    int col;
    long unsigned int consumed;
    xmlParserInputDeallocate free;
    const xmlChar *encoding;
    const xmlChar *version;
    int standalone;
    int id;
} xmlParserInput;
typedef xmlParserInput *xmlParserInputPtr;
typedef void (*xmlGenericErrorFunc) (void *, const char *, ...);
typedef enum {
    XML_ERR_NONE = 0,
    XML_ERR_WARNING = 1,
    XML_ERR_ERROR = 2,
    XML_ERR_FATAL = 3
} xmlErrorLevel;
typedef struct _xmlError {
    int domain;
    int code;
    char *message;
    xmlErrorLevel level;
    char *file;
    int line;
    char *str1;
    char *str2;
    char *str3;
    int int1;
    int int2;
    void *ctxt;
    void *node;
} xmlError;
typedef xmlError *xmlErrorPtr;
typedef void (*xmlStructuredErrorFunc) (void *, xmlErrorPtr);
typedef enum {
    XML_FROM_NONE = 0,
    XML_FROM_PARSER,
    XML_FROM_TREE,
    XML_FROM_NAMESPACE,
    XML_FROM_DTD,
    XML_FROM_HTML,
    XML_FROM_MEMORY,
    XML_FROM_OUTPUT,
    XML_FROM_IO,
    XML_FROM_FTP,
    XML_FROM_HTTP,
    XML_FROM_XINCLUDE,
    XML_FROM_XPATH,
    XML_FROM_XPOINTER,
    XML_FROM_REGEXP,
    XML_FROM_DATATYPE,
    XML_FROM_SCHEMASP,
    XML_FROM_SCHEMASV,
    XML_FROM_RELAXNGP,
    XML_FROM_RELAXNGV,
    XML_FROM_CATALOG,
    XML_FROM_C14N,
    XML_FROM_XSLT,
    XML_FROM_VALID,
    XML_FROM_CHECK,
    XML_FROM_WRITER,
    XML_FROM_MODULE,
    XML_FROM_I18N
} xmlErrorDomain;
typedef enum {
```

```
XML_ERR_OK = 0,
XML_ERR_INTERNAL_ERROR,
XML_ERR_NO_MEMORY,
XML_ERR_DOCUMENT_START,
XML_ERR_DOCUMENT_EMPTY,
XML_ERR_DOCUMENT_END,
XML_ERR_INVALID_HEX_CHARREF,
XML_ERR_INVALID_DEC_CHARREF,
XML_ERR_INVALID_CHARREF,
XML_ERR_INVALID_CHAR,
XML_ERR_CHARREF_AT_EOF,
XML_ERR_CHARREF_IN_PROLOG,
XML_ERR_CHARREF_IN_EPILOG,
XML_ERR_CHARREF_IN_DTD,
XML_ERR_ENTITYREF_AT_EOF,
XML_ERR_ENTITYREF_IN_PROLOG,
XML_ERR_ENTITYREF_IN_EPILOG,
XML_ERR_ENTITYREF_IN_DTD,
XML_ERR_PEREF_AT_EOF,
XML_ERR_PEREF_IN_PROLOG,
XML_ERR_PEREF_IN_EPILOG,
XML_ERR_PEREF_IN_INT_SUBSET,
XML_ERR_ENTITYREF_NO_NAME,
XML_ERR_ENTITYREF_SEMICOL_MISSING,
XML_ERR_PEREF_NO_NAME,
XML_ERR_PEREF_SEMICOL_MISSING,
XML_ERR_UNDECLARED_ENTITY,
XML_WAR_UNDECLARED_ENTITY,
XML_ERR_UNPARSED_ENTITY,
XML_ERR_ENTITY_IS_EXTERNAL,
XML_ERR_ENTITY_IS_PARAMETER,
XML_ERR_UNKNOWN_ENCODING,
XML_ERR_UNSUPPORTED_ENCODING,
XML_ERR_STRING_NOT_STARTED,
XML_ERR_STRING_NOT_CLOSED,
XML_ERR_NS_DECL_ERROR,
XML_ERR_ENTITY_NOT_STARTED,
XML_ERR_ENTITY_NOT_FINISHED,
XML_ERR_LT_IN_ATTRIBUTE,
XML_ERR_ATTRIBUTE_NOT_STARTED,
XML_ERR_ATTRIBUTE_NOT_FINISHED,
XML_ERR_ATTRIBUTE_WITHOUT_VALUE,
XML_ERR_ATTRIBUTE_REDEFINED,
XML_ERR_LITERAL_NOT_STARTED,
XML_ERR_LITERAL_NOT_FINISHED,
XML_ERR_COMMENT_NOT_FINISHED,
XML_ERR_PI_NOT_STARTED,
XML_ERR_PI_NOT_FINISHED,
XML_ERR_NOTATION_NOT_STARTED,
XML_ERR_NOTATION_NOT_FINISHED,
XML_ERR_ATTLIST_NOT_STARTED,
XML_ERR_ATTLIST_NOT_FINISHED,
XML_ERR_MIXED_NOT_STARTED,
XML_ERR_MIXED_NOT_FINISHED,
XML_ERR_ELEMCONTENT_NOT_STARTED,
XML_ERR_ELEMCONTENT_NOT_FINISHED,
XML_ERR_XMLDECL_NOT_STARTED,
XML_ERR_XMLDECL_NOT_FINISHED,
XML_ERR_CONDSEC_NOT_STARTED,
XML_ERR_CONDSEC_NOT_FINISHED,
XML_ERR_EXT_SUBSET_NOT_FINISHED,
XML_ERR_DOCTYPE_NOT_FINISHED,
XML_ERR_MISPLACED_CDATA_END,
XML_ERR_CDATA_NOT_FINISHED,
XML_ERR_RESERVED_XML_NAME,
XML_ERR_SPACE_REQUIRED,
```

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```
XML_ERR_SEPARATOR_REQUIRED,
XML_ERR_NMTOKEN_REQUIRED,
XML_ERR_NAME_REQUIRED,
XML_ERR_PCDATA_REQUIRED,
XML_ERR_URI_REQUIRED,
XML_ERR_PUBID_REQUIRED,
XML_ERR_LT_REQUIRED,
XML_ERR_GT_REQUIRED,
XML_ERR_LTSLASH_REQUIRED,
XML_ERR_EQUAL_REQUIRED,
XML_ERR_TAG_NAME_MISMATCH,
XML_ERR_TAG_NOT_FINISHED,
XML_ERR_STANDALONE_VALUE,
XML_ERR_ENCODING_NAME,
XML_ERR_HYPHEN_IN_COMMENT,
XML_ERR_INVALID_ENCODING,
XML_ERR_EXT_ENTITY_STANDALONE,
XML_ERR_CONDSEC_INVALID,
XML_ERR_VALUE_REQUIRED,
XML_ERR_NOT_WELL_BALANCED,
XML_ERR_EXTRA_CONTENT,
XML_ERR_ENTITY_CHAR_ERROR,
XML_ERR_ENTITY_PE_INTERNAL,
XML_ERR_ENTITY_LOOP,
XML_ERR_ENTITY_BOUNDARY,
XML_ERR_INVALID_URI,
XML_ERR_URI_FRAGMENT,
XML_WAR_CATALOG_PI,
XML_ERR_NO_DTD,
XML_ERR_CONDSEC_INVALID_KEYWORD,
XML_ERR_VERSION_MISSING,
XML_WAR_UNKNOWN_VERSION,
XML_WAR_LANG_VALUE,
XML_WAR_NS_URI,
XML_WAR_NS_URI_RELATIVE,
XML_ERR_MISSING_ENCODING,
XML_WAR_SPACE_VALUE,
XML_ERR_NOT_STANDALONE,
XML_ERR_ENTITY_PROCESSING,
XML_ERR_NOTATION_PROCESSING,
XML_WAR_NS_COLUMN,
XML_WAR_ENTITY_REDEFINED,
XML_NS_ERR_XML_NAMESPACE = 200,
XML_NS_ERR_UNDEFINED_NAMESPACE,
XML_NS_ERR_QNAME,
XML_NS_ERR_ATTRIBUTE_REDEFINED,
XML_NS_ERR_EMPTY,
XML_DTD_ATTRIBUTE_DEFAULT = 500,
XML_DTD_ATTRIBUTE_REDEFINED,
XML_DTD_ATTRIBUTE_VALUE,
XML_DTD_CONTENT_ERROR,
XML_DTD_CONTENT_MODEL,
XML_DTD_CONTENT_NOT_DETERMINIST,
XML_DTD_DIFFERENT_PREFIX,
XML_DTD_ELEM_DEFAULT_NAMESPACE,
XML_DTD_ELEM_NAMESPACE,
XML_DTD_ELEM_REDEFINED,
XML_DTD_EMPTY_NOTATION,
XML_DTD_ENTITY_TYPE,
XML_DTD_ID_FIXED,
XML_DTD_ID_REDEFINED,
XML_DTD_ID_SUBSET,
XML_DTD_INVALID_CHILD,
XML_DTD_INVALID_DEFAULT,
XML_DTD_LOAD_ERROR,
XML_DTD_MISSING_ATTRIBUTE,
```

```
XML_DTD_MIXED_CORRUPT,
XML_DTD_MULTIPLE_ID,
XML_DTD_NO_DOC,
XML_DTD_NO_DTD,
XML_DTD_NO_ELEM_NAME,
XML_DTD_NO_PREFIX,
XML_DTD_NO_ROOT,
XML_DTD_NOTATION_REDEFINED,
XML_DTD_NOTATION_VALUE,
XML_DTD_NOT_EMPTY,
XML_DTD_NOT_PCDATA,
XML_DTD_NOT_STANDALONE,
XML_DTD_ROOT_NAME,
XML_DTD_STANDALONE_WHITE_SPACE,
XML_DTD_UNKNOWN_ATTRIBUTE,
XML_DTD_UNKNOWN_ELEM,
XML_DTD_UNKNOWN_ENTITY,
XML_DTD_UNKNOWN_ID,
XML_DTD_UNKNOWN_NOTATION,
XML_DTD_STANDALONE_DEFAULTED,
XML_DTD_XMLID_VALUE,
XML_DTD_XMLID_TYPE,
XML_HTML_STRUCURE_ERROR = 800,
XML_HTML_UNKNOWN_TAG,
XML_RNGP_ANYNAME_ATTR_ANCESTOR = 1000,
XML_RNGP_ATTR_CONFLICT,
XML_RNGP_ATTRIBUTE_CHILDREN,
XML_RNGP_ATTRIBUTE_CONTENT,
XML_RNGP_ATTRIBUTE_EMPTY,
XML_RNGP_ATTRIBUTE_NOOP,
XML_RNGP_CHOICE_CONTENT,
XML_RNGP_CHOICE_EMPTY,
XML_RNGP_CREATE_FAILURE,
XML_RNGP_DATA_CONTENT,
XML_RNGP_DEF_CHOICE_AND_INTERLEAVE,
XML_RNGP_DEFINE_CREATE_FAILED,
XML_RNGP_DEFINE_EMPTY,
XML_RNGP_DEFINE_MISSING,
XML_RNGP_DEFINE_NAME_MISSING,
XML_RNGP_ELEM_CONTENT_EMPTY,
XML_RNGP_ELEM_CONTENT_ERROR,
XML_RNGP_ELEMENT_EMPTY,
XML_RNGP_ELEMENT_CONTENT,
XML_RNGP_ELEMENT_NAME,
XML_RNGP_ELEMENT_NO_CONTENT,
XML_RNGP_ELEM_TEXT_CONFLICT,
XML_RNGP_EMPTY,
XML_RNGP_EMPTY_CONSTRUCT,
XML_RNGP_EMPTY_CONTENT,
XML_RNGP_EMPTY_NOT_EMPTY,
XML_RNGP_ERROR_TYPE_LIB,
XML_RNGP_EXCEPT_EMPTY,
XML_RNGP_EXCEPT_MISSING,
XML_RNGP_EXCEPT_MULTIPLE,
XML_RNGP_EXCEPT_NO_CONTENT,
XML_RNGP_EXTERNALREF_EMTPY,
XML_RNGP_EXTERNAL_REF_FAILURE,
XML_RNGP_EXTERNALREF_RECURSE,
XML_RNGP_FORBIDDEN_ATTRIBUTE,
XML_RNGP_FOREIGN_ELEMENT,
XML_RNGP_GRAMMAR_CONTENT,
XML_RNGP_GRAMMAR_EMPTY,
XML_RNGP_GRAMMAR_MISSING,
XML_RNGP_GRAMMAR_NO_START,
XML_RNGP_GROUP_ATTR_CONFLICT,
XML_RNGP_HREF_ERROR,
```

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```
XML_RNGP_INCLUDE_EMPTY,
XML_RNGP_INCLUDE_FAILURE,
XML_RNGP_INCLUDE_RECURSE,
XML_RNGP_INTERLEAVE_ADD,
XML_RNGP_INTERLEAVE_CREATE_FAILED,
XML_RNGP_INTERLEAVE_EMPTY,
XML_RNGP_INTERLEAVE_NO_CONTENT,
XML_RNGP_INVALID_DEFINE_NAME,
XML_RNGP_INVALID_URI,
XML_RNGP_INVALID_VALUE,
XML_RNGP_MISSING_HREF,
XML_RNGP_NAME_MISSING,
XML_RNGP_NEED_COMBINE,
XML_RNGP_NOTALLOWED_NOT_EMPTY,
XML_RNGP_NSNAME_ATTR_ANCESTOR,
XML_RNGP_NSNAME_NO_NS,
XML_RNGP_PARAM_FORBIDDEN,
XML_RNGP_PARAM_NAME_MISSING,
XML_RNGP_PARENTREF_CREATE_FAILED,
XML_RNGP_PARENTREF_NAME_INVALID,
XML_RNGP_PARENTREF_NO_NAME,
XML_RNGP_PARENTREF_NO_PARENT,
XML_RNGP_PARENTREF_NOT_EMPTY,
XML_RNGP_PARSE_ERROR,
XML_RNGP_PAT_ANYNAME_EXCEPT_ANYNAME,
XML_RNGP_PAT_ATTR_ATTR,
XML_RNGP_PAT_ATTR_ELEM,
XML_RNGP_PAT_DATA_EXCEPT_ATTR,
XML_RNGP_PAT_DATA_EXCEPT_ELEM,
XML_RNGP_PAT_DATA_EXCEPT_EMPTY,
XML_RNGP_PAT_DATA_EXCEPT_GROUP,
XML_RNGP_PAT_DATA_EXCEPT_INTERLEAVE,
XML_RNGP_PAT_DATA_EXCEPT_LIST,
XML_RNGP_PAT_DATA_EXCEPT_ONEMORE,
XML_RNGP_PAT_DATA_EXCEPT_REF,
XML_RNGP_PAT_DATA_EXCEPT_TEXT,
XML_RNGP_PAT_LIST_ATTR,
XML_RNGP_PAT_LIST_ELEM,
XML_RNGP_PAT_LIST_INTERLEAVE,
XML_RNGP_PAT_LIST_LIST,
XML_RNGP_PAT_LIST_REF,
XML_RNGP_PAT_LIST_TEXT,
XML_RNGP_PAT_NSNAME_EXCEPT_ANYNAME,
XML_RNGP_PAT_NSNAME_EXCEPT_NSNAME,
XML_RNGP_PAT_ONEMORE_GROUP_ATTR,
XML_RNGP_PAT_ONEMORE_INTERLEAVE_ATTR,
XML_RNGP_PAT_START_ATTR,
XML_RNGP_PAT_START_DATA,
XML_RNGP_PAT_START_EMPTY,
XML_RNGP_PAT_START_GROUP,
XML_RNGP_PAT_START_INTERLEAVE,
XML_RNGP_PAT_START_LIST,
XML_RNGP_PAT_START_ONEMORE,
XML_RNGP_PAT_START_TEXT,
XML_RNGP_PAT_START_VALUE,
XML_RNGP_PREFIX_UNDEFINED,
XML_RNGP_REF_CREATE_FAILED,
XML_RNGP_REF_CYCLE,
XML_RNGP_REF_NAME_INVALID,
XML_RNGP_REF_NO_DEF,
XML_RNGP_REF_NO_NAME,
XML_RNGP_REF_NOT_EMPTY,
XML_RNGP_START_CHOICE_AND_INTERLEAVE,
XML_RNGP_START_CONTENT,
XML_RNGP_START_EMPTY,
XML_RNGP_START_MISSING,
```

```
XML_RNGP_TEXT_EXPECTED,
XML_RNGP_TEXT_HAS_CHILD,
XML_RNGP_TYPE_MISSING,
XML_RNGP_TYPE_NOT_FOUND,
XML_RNGP_TYPE_VALUE,
XML_RNGP_UNKNOWN_ATTRIBUTE,
XML_RNGP_UNKNOWN_COMBINE,
XML_RNGP_UNKNOWN_CONSTRUCT,
XML_RNGP_UNKNOWN_TYPE_LIB,
XML_RNGP_URI_FRAGMENT,
XML_RNGP_URI_NOT_ABSOLUTE,
XML_RNGP_VALUE_EMPTY,
XML_RNGP_VALUE_NO_CONTENT,
XML_RNGP_XMLNS_NAME,
XML_RNGP_XML_NS,
XML_XPATH_EXPRESSION_OK = 1200,
XML_XPATH_NUMBER_ERROR,
XML_XPATH_UNFINISHED_LITERAL_ERROR,
XML_XPATH_START_LITERAL_ERROR,
XML_XPATH_VARIABLE_REF_ERROR,
XML_XPATH_UNDEF_VARIABLE_ERROR,
XML_XPATH_INVALID_PREDICATE_ERROR,
XML_XPATH_EXPR_ERROR,
XML_XPATH_UNCLOSED_ERROR,
XML_XPATH_UNKNOWN_FUNC_ERROR,
XML_XPATH_INVALID_OPERAND,
XML_XPATH_INVALID_TYPE,
XML_XPATH_INVALID_ARITY,
XML_XPATH_INVALID_CTXT_SIZE,
XML_XPATH_INVALID_CTXT_POSITION,
XML_XPATH_MEMORY_ERROR,
XML_XPTR_SYNTAX_ERROR,
XML_XPTR_RESOURCE_ERROR,
XML_XPTR_SUB_RESOURCE_ERROR,
XML_XPATH_UNDEF_PREFIX_ERROR,
XML_XPATH_ENCODING_ERROR,
XML_XPATH_INVALID_CHAR_ERROR,
XML_TREE_INVALID_HEX = 1300,
XML_TREE_INVALID_DEC,
XML_TREE_UNTERMINATED_ENTITY,
XML_SAVE_NOT_UTF8 = 1400,
XML_SAVE_CHAR_INVALID,
XML_SAVE_NO_DOCTYPE,
XML_SAVE_UNKNOWN_ENCODING,
XML_REGEXP_COMPILE_ERROR = 1450,
XML_IO_UNKNOWN = 1500,
XML_IO_EACCES,
XML_IO_EAGAIN,
XML_IO_EBADF,
XML_IO_EBADMSG,
XML_IO_EBUSY,
XML_IO_ECANCELED,
XML_IO_ECHILD,
XML_IO_EDEADLK,
XML_IO_EDOM,
XML_IO_EEXIST,
XML_IO_EFAULT,
XML_IO_EFBIG,
XML_IO_EINPROGRESS,
XML_IO_EINTR,
XML_IO_EINVAL,
XML_IO_EIO,
XML_IO_EISDIR,
XML_IO_EMFILE,
XML_IO_EMLINK,
XML_IO_EMSGSIZE,
```

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```
XML_IO_ENAMETOOLONG,
XML_IO_ENFILE,
XML_IO_ENODEV,
XML_IO_ENOENT,
XML_IO_ENOEXEC,
XML_IO_ENOLCK,
XML_IO_ENOMEM,
XML_IO_ENOSPC,
XML_IO_ENOSYS,
XML_IO_ENOTDIR,
XML_IO_ENOTEMPTY,
XML_IO_ENOTSUP,
XML_IO_ENOTTY,
XML_IO_ENXIO,
XML_IO_EPERM,
XML_IO_EPIPE,
XML_IO_ERANGE,
XML_IO_EROFS,
XML_IO_ESPIPE,
XML_IO_ESRCH,
XML_IO_ETIMEDOUT,
XML_IO_EXDEV,
XML_IO_NETWORK_ATTEMPT,
XML_IO_ENCODER,
XML_IO_FLUSH,
XML_IO_WRITE,
XML_IO_NO_INPUT,
XML_IO_BUFFER_FULL,
XML_IO_LOAD_ERROR,
XML_IO_ENOTSOCK,
XML_IO_EISCONN,
XML_IO_ECONNREFUSED,
XML_IO_ENETUNREACH,
XML_IO_EADDRINUSE,
XML_IO_EALREADY,
XML_IO_EAFNOSUPPORT,
XML_XINCLUDE_RECURSION = 1600,
XML_XINCLUDE_PARSE_VALUE,
XML_XINCLUDE_ENTITY_DEF_MISMATCH,
XML_XINCLUDE_NO_HREF,
XML_XINCLUDE_NO_FALLBACK,
XML_XINCLUDE_HREF_URI,
XML_XINCLUDE_TEXT_FRAGMENT,
XML_XINCLUDE_TEXT_DOCUMENT,
XML_XINCLUDE_INVALID_CHAR,
XML_XINCLUDE_BUILD_FAILED,
XML_XINCLUDE_UNKNOWN_ENCODING,
XML_XINCLUDE_MULTIPLE_ROOT,
XML_XINCLUDE_XPTR_FAILED,
XML_XINCLUDE_XPTR_RESULT,
XML_XINCLUDE_INCLUDE_IN_INCLUDE,
XML_XINCLUDE_FALLBACKS_IN_INCLUDE,
XML_XINCLUDE_FALLBACK_NOT_IN_INCLUDE,
XML_XINCLUDE_DEPRECATED_NS,
XML_XINCLUDE_FRAGMENT_ID,
XML_CATALOG_MISSING_ATTR = 1650,
XML_CATALOG_ENTRY_BROKEN,
XML_CATALOG_PREFER_VALUE,
XML_CATALOG_NOT_CATALOG,
XML_CATALOG_RECURSION,
XML_SCHEMAP_PREFIX_UNDEFINED = 1700,
XML_SCHEMAP_ATTRFORMDEFAULT_VALUE,
XML_SCHEMAP_ATTRGRP_NONAME_NOREF,
XML_SCHEMAP_ATTR_NONAME_NOREF,
XML_SCHEMAP_COMPLEXTYPE_NONAME_NOREF,
XML_SCHEMAP_ELEMFORMDEFAULT_VALUE,
```

```
XML_SCHEMAP_ELEM_NONAME_NOREF,
XML_SCHEMAP_EXTENSION_NO_BASE,
XML_SCHEMAP_FACET_NO_VALUE,
XML_SCHEMAP_FAILED_BUILD_IMPORT,
XML_SCHEMAP_GROUP_NONAME_NOREF,
XML_SCHEMAP_IMPORT_NAMESPACE_NOT_URI,
XML_SCHEMAP_IMPORT_REDEFINE_NSNAME,
XML_SCHEMAP_IMPORT_SCHEMA_NOT_URI,
XML_SCHEMAP_INVALID_BOOLEAN,
XML_SCHEMAP_INVALID_ENUM,
XML_SCHEMAP_INVALID_FACET,
XML_SCHEMAP_INVALID_FACET_VALUE,
XML_SCHEMAP_INVALID_MAXOCCURS,
XML_SCHEMAP_INVALID_MINOCCURS,
XML_SCHEMAP_INVALID_REF_AND_SUBTYPE,
XML_SCHEMAP_INVALID_WHITE_SPACE,
XML_SCHEMAP_NOATTR_NOREF,
XML_SCHEMAP_NOTATION_NO_NAME,
XML_SCHEMAP_NOTYPE_NOREF,
XML_SCHEMAP_REF_AND_SUBTYPE,
XML_SCHEMAP_RESTRICTION_NONAME_NOREF,
XML_SCHEMAP_SIMPLETYPE_NONAME,
XML_SCHEMAP_TYPE_AND_SUBTYPE,
XML_SCHEMAP_UNKNOWN_ALL_CHILD,
XML_SCHEMAP_UNKNOWN_ANYATTRIBUTE_CHILD,
XML_SCHEMAP_UNKNOWN_ATTR_CHILD,
XML_SCHEMAP_UNKNOWN_ATTRGRP_CHILD,
XML_SCHEMAP_UNKNOWN_ATTRIBUTE_GROUP,
XML_SCHEMAP_UNKNOWN_BASE_TYPE,
XML_SCHEMAP_UNKNOWN_CHOICE_CHILD,
XML_SCHEMAP_UNKNOWN_COMPLEXCONTENT_CHILD,
XML_SCHEMAP_UNKNOWN_COMPLEXTYPE_CHILD,
XML_SCHEMAP_UNKNOWN_ELEM_CHILD,
XML_SCHEMAP_UNKNOWN_EXTENSION_CHILD,
XML_SCHEMAP_UNKNOWN_FACET_CHILD,
XML_SCHEMAP_UNKNOWN_FACET_TYPE,
XML_SCHEMAP_UNKNOWN_GROUP_CHILD,
XML_SCHEMAP_UNKNOWN_IMPORT_CHILD,
XML_SCHEMAP_UNKNOWN_LIST_CHILD,
XML_SCHEMAP_UNKNOWN_NOTATION_CHILD,
XML_SCHEMAP_UNKNOWN_PROCESSCONTENT_CHILD,
XML_SCHEMAP_UNKNOWN_REF,
XML_SCHEMAP_UNKNOWN_RESTRICTION_CHILD,
XML_SCHEMAP_UNKNOWN_SCHEMAS_CHILD,
XML_SCHEMAP_UNKNOWN_SEQUENCE_CHILD,
XML_SCHEMAP_UNKNOWN_SIMPLECONTENT_CHILD,
XML_SCHEMAP_UNKNOWN_SIMPLETYPE_CHILD,
XML_SCHEMAP_UNKNOWN_TYPE,
XML_SCHEMAP_UNKNOWN_UNION_CHILD,
XML_SCHEMAP_ELEM_DEFAULT_FIXED,
XML_SCHEMAP_REGEXP_INVALID,
XML_SCHEMAP_FAILED_LOAD,
XML_SCHEMAP_NOTHING_TO_PARSE,
XML_SCHEMAP_NOROOT,
XML_SCHEMAP_REDEFINED_GROUP,
XML_SCHEMAP_REDEFINED_TYPE,
XML_SCHEMAP_REDEFINED_ELEMENT,
XML_SCHEMAP_REDEFINED_ATTRGROUP,
XML_SCHEMAP_REDEFINED_ATTR,
XML_SCHEMAP_REDEFINED_NOTATION,
XML_SCHEMAP_FAILED_PARSE,
XML_SCHEMAP_UNKNOWN_PREFIX,
XML_SCHEMAP_DEF_AND_PREFIX,
XML_SCHEMAP_UNKNOWN_INCLUDE_CHILD,
XML_SCHEMAP_INCLUDE_SCHEMA_NOT_URI,
XML_SCHEMAP_INCLUDE_SCHEMA_NO_URI,
```

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```
XML_SCHEMAP_NOT_SCHEMA,
XML_SCHEMAP_UNKNOWN_MEMBER_TYPE,
XML_SCHEMAP_INVALID_ATTR_USE,
XML_SCHEMAP_RECURSIVE,
XML_SCHEMAP_SUPERNUMEROUS_LIST_ITEM_TYPE,
XML_SCHEMAP_INVALID_ATTR_COMBINATION,
XML_SCHEMAP_INVALID_ATTR_INLINE_COMBINATION,
XML_SCHEMAP_MISSING_SIMPLETYPE_CHILD,
XML_SCHEMAP_INVALID_ATTR_NAME,
XML_SCHEMAP_REF_AND_CONTENT,
XML_SCHEMAP_CT_PROPS_CORRECT_1,
XML_SCHEMAP_CT_PROPS_CORRECT_2,
XML_SCHEMAP_CT_PROPS_CORRECT_3,
XML_SCHEMAP_CT_PROPS_CORRECT_4,
XML_SCHEMAP_CT_PROPS_CORRECT_5,
XML_SCHEMAP_DERIVATION_OK_RESTRICTION_1,
XML_SCHEMAP_DERIVATION_OK_RESTRICTION_2_1_1,
XML_SCHEMAP_DERIVATION_OK_RESTRICTION_2_1_2,
XML_SCHEMAP_DERIVATION_OK_RESTRICTION_2_2,
XML_SCHEMAP_DERIVATION_OK_RESTRICTION_3,
XML_SCHEMAP_WILDCARD_INVALID_NS_MEMBER,
XML_SCHEMAP_INTERSECTION_NOT_EXPRESSIBLE,
XML_SCHEMAP_UNION_NOT_EXPRESSIBLE,
XML_SCHEMAP_SRC_IMPORT_3_1,
XML_SCHEMAP_SRC_IMPORT_3_2,
XML_SCHEMAP_DERIVATION_OK_RESTRICTION_4_1,
XML_SCHEMAP_DERIVATION_OK_RESTRICTION_4_2,
XML_SCHEMAP_DERIVATION_OK_RESTRICTION_4_3,
XML_SCHEMAP_COS_CT_EXTENDS_1_3,
XML_SCHEMAV_NOROOT = 1801,
XML_SCHEMAV_UNDECLAREDELEM,
XML_SCHEMAV_NOTTOPLEVEL,
XML_SCHEMAV_MISSING,
XML_SCHEMAV_WRONGELEM,
XML_SCHEMAV_NOTYPE,
XML_SCHEMAV_NOROLLBACK,
XML_SCHEMAV_ISABSTRACT,
XML_SCHEMAV_NOTEMPTY,
XML_SCHEMAV_ELEMCONT,
XML_SCHEMAV_HAVEDEFAULT,
XML_SCHEMAV_NOTNILLABLE,
XML_SCHEMAV_EXTRACONTENT,
XML_SCHEMAV_INVALIDATTR,
XML_SCHEMAV_INVALIDELEM,
XML_SCHEMAV_NOTDETERMINIST,
XML_SCHEMAV_CONSTRUCT,
XML_SCHEMAV_INTERNAL,
XML_SCHEMAV_NOTSIMPLE,
XML_SCHEMAV_ATTRUNKNOWN,
XML_SCHEMAV_ATTRINVALID,
XML_SCHEMAV_VALUE,
XML_SCHEMAV_FACET,
XML_SCHEMAV_CVC_DATATYPE_VALID_1_2_1,
XML_SCHEMAV_CVC_DATATYPE_VALID_1_2_2,
XML_SCHEMAV_CVC_DATATYPE_VALID_1_2_3,
XML_SCHEMAV_CVC_TYPE_3_1_1,
XML_SCHEMAV_CVC_TYPE_3_1_2,
XML_SCHEMAV_CVC_FACET_VALID,
XML_SCHEMAV_CVC_LENGTH_VALID,
XML_SCHEMAV_CVC_MINLENGTH_VALID,
XML_SCHEMAV_CVC_MAXLENGTH_VALID,
XML_SCHEMAV_CVC_MININCLUSIVE_VALID,
XML_SCHEMAV_CVC_MAXINCLUSIVE_VALID,
XML_SCHEMAV_CVC_MINEXCLUSIVE_VALID,
XML_SCHEMAV_CVC_MAXEXCLUSIVE_VALID,
XML_SCHEMAV_CVC_TOTALDIGITS_VALID,
```

```
XML_SCHEMAV_CVC_FRACTIONDIGITS_VALID,
XML_SCHEMAV_CVC_PATTERN_VALID,
XML_SCHEMAV_CVC_ENUMERATION_VALID,
XML_SCHEMAV_CVC_COMPLEX_TYPE_2_1,
XML_SCHEMAV_CVC_COMPLEX_TYPE_2_2,
XML_SCHEMAV_CVC_COMPLEX_TYPE_2_3,
XML_SCHEMAV_CVC_COMPLEX_TYPE_2_4,
XML_SCHEMAV_CVC_ELT_1,
XML_SCHEMAV_CVC_ELT_2,
XML_SCHEMAV_CVC_ELT_3_1,
XML_SCHEMAV_CVC_ELT_3_2_1,
XML_SCHEMAV_CVC_ELT_3_2_2,
XML_SCHEMAV_CVC_ELT_4_1,
XML_SCHEMAV_CVC_ELT_4_2,
XML_SCHEMAV_CVC_ELT_4_3,
XML_SCHEMAV_CVC_ELT_5_1_1,
XML_SCHEMAV_CVC_ELT_5_1_2,
XML_SCHEMAV_CVC_ELT_5_2_1,
XML_SCHEMAV_CVC_ELT_5_2_2_1,
XML_SCHEMAV_CVC_ELT_5_2_2_2_1,
XML_SCHEMAV_CVC_ELT_5_2_2_2_2,
XML_SCHEMAV_CVC_ELT_6,
XML_SCHEMAV_CVC_ELT_7,
XML_SCHEMAV_CVC_ATTRIBUTE_1,
XML_SCHEMAV_CVC_ATTRIBUTE_2,
XML_SCHEMAV_CVC_ATTRIBUTE_3,
XML_SCHEMAV_CVC_ATTRIBUTE_4,
XML_SCHEMAV_CVC_COMPLEX_TYPE_3_1,
XML_SCHEMAV_CVC_COMPLEX_TYPE_3_2_1,
XML_SCHEMAV_CVC_COMPLEX_TYPE_3_2_2,
XML_SCHEMAV_CVC_COMPLEX_TYPE_4,
XML_SCHEMAV_CVC_COMPLEX_TYPE_5_1,
XML_SCHEMAV_CVC_COMPLEX_TYPE_5_2,
XML_SCHEMAV_ELEMENT_CONTENT,
XML_SCHEMAV_DOCUMENT_ELEMENT_MISSING,
XML_SCHEMAV_CVC_COMPLEX_TYPE_1,
XML_SCHEMAV_CVC_AU,
XML_SCHEMAV_CVC_TYPE_1,
XML_SCHEMAV_CVC_TYPE_2,
XML_SCHEMAV_CVC_IDC,
XML_SCHEMAV_CVC_WILDCARD,
XML_XPTR_UNKNOWN_SCHEME = 1900,
XML_XPTR_CHILDSEQ_START,
XML_XPTR_EVAL_FAILED,
XML_XPTR_EXTRA_OBJECTS,
XML_C14N_CREATE_CTXT = 1950,
XML_C14N_REQUIRES_UTF8,
XML_C14N_CREATE_STACK,
XML_C14N_INVALID_NODE,
XML_C14N_UNKNOW_NODE,
XML_C14N_RELATIVE_NAMESPACE,
XML_FTP_PASV_ANSWER = 2000,
XML_FTP_EPSV_ANSWER,
XML_FTP_ACCNT,
XML_FTP_URL_SYNTAX,
XML_HTTP_URL_SYNTAX = 2020,
XML_HTTP_USE_IP,
XML_HTTP_UNKNOWN_HOST,
XML_SCHEMAP_SRC_SIMPLE_TYPE_1 = 3000,
XML_SCHEMAP_SRC_SIMPLE_TYPE_2,
XML_SCHEMAP_SRC_SIMPLE_TYPE_3,
XML_SCHEMAP_SRC_SIMPLE_TYPE_4,
XML_SCHEMAP_SRC_RESOLVE,
XML_SCHEMAP_SRC_RESTRICTION_BASE_OR_SIMPLETYPE,
XML_SCHEMAP_SRC_LIST_ITEMTYPE_OR_SIMPLETYPE,
XML_SCHEMAP_SRC_UNION_MEMBERTYPES_OR_SIMPLETYPES,
```

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```
XML_SCHEMAP_ST_PROPS_CORRECT_1,
XML_SCHEMAP_ST_PROPS_CORRECT_2,
XML_SCHEMAP_ST_PROPS_CORRECT_3,
XML_SCHEMAP_COS_ST_RESTRICTS_1_1,
XML_SCHEMAP_COS_ST_RESTRICTS_1_2,
XML_SCHEMAP_COS_ST_RESTRICTS_1_3_1,
XML_SCHEMAP_COS_ST_RESTRICTS_1_3_2,
XML_SCHEMAP_COS_ST_RESTRICTS_2_1,
XML_SCHEMAP_COS_ST_RESTRICTS_2_3_1_1,
XML_SCHEMAP_COS_ST_RESTRICTS_2_3_1_2,
XML_SCHEMAP_COS_ST_RESTRICTS_2_3_2_1,
XML_SCHEMAP_COS_ST_RESTRICTS_2_3_2_2,
XML_SCHEMAP_COS_ST_RESTRICTS_2_3_2_3,
XML_SCHEMAP_COS_ST_RESTRICTS_2_3_2_4,
XML_SCHEMAP_COS_ST_RESTRICTS_2_3_2_5,
XML_SCHEMAP_COS_ST_RESTRICTS_3_1,
XML_SCHEMAP_COS_ST_RESTRICTS_3_3_1,
XML_SCHEMAP_COS_ST_RESTRICTS_3_3_1_2,
XML_SCHEMAP_COS_ST_RESTRICTS_3_3_2_2,
XML_SCHEMAP_COS_ST_RESTRICTS_3_3_2_1,
XML_SCHEMAP_COS_ST_RESTRICTS_3_3_2_3,
XML_SCHEMAP_COS_ST_RESTRICTS_3_3_2_4,
XML_SCHEMAP_COS_ST_RESTRICTS_3_3_2_5,
XML_SCHEMAP_COS_ST_DERIVED_OK_2_1,
XML_SCHEMAP_COS_ST_DERIVED_OK_2_2,
XML_SCHEMAP_S4S_ELEM_NOT_ALLOWED,
XML_SCHEMAP_S4S_ELEM_MISSING,
XML_SCHEMAP_S4S_ATTR_NOT_ALLOWED,
XML_SCHEMAP_S4S_ATTR_MISSING,
XML_SCHEMAP_S4S_ATTR_INVALID_VALUE,
XML_SCHEMAP_SRC_ELEMENT_1,
XML_SCHEMAP_SRC_ELEMENT_2_1,
XML_SCHEMAP_SRC_ELEMENT_2_2,
XML_SCHEMAP_SRC_ELEMENT_3,
XML_SCHEMAP_P_PROPS_CORRECT_1,
XML_SCHEMAP_P_PROPS_CORRECT_2_1,
XML_SCHEMAP_P_PROPS_CORRECT_2_2,
XML_SCHEMAP_E_PROPS_CORRECT_2,
XML_SCHEMAP_E_PROPS_CORRECT_3,
XML_SCHEMAP_E_PROPS_CORRECT_4,
XML_SCHEMAP_E_PROPS_CORRECT_5,
XML_SCHEMAP_E_PROPS_CORRECT_6,
XML_SCHEMAP_SRC_INCLUDE,
XML_SCHEMAP_SRC_ATTRIBUTE_1,
XML_SCHEMAP_SRC_ATTRIBUTE_2,
XML_SCHEMAP_SRC_ATTRIBUTE_3_1,
XML_SCHEMAP_SRC_ATTRIBUTE_3_2,
XML_SCHEMAP_SRC_ATTRIBUTE_4,
XML_SCHEMAP_NO_XMLNS,
XML_SCHEMAP_NO_XSI,
XML_SCHEMAP_COS_VALID_DEFAULT_1,
XML_SCHEMAP_COS_VALID_DEFAULT_2_1,
XML_SCHEMAP_COS_VALID_DEFAULT_2_2_1,
XML_SCHEMAP_COS_VALID_DEFAULT_2_2_2,
XML_SCHEMAP_CVC_SIMPLE_TYPE,
XML_SCHEMAP_COS_CT_EXTENDS_1_1,
XML_SCHEMAP_SRC_IMPORT_1_1,
XML_SCHEMAP_SRC_IMPORT_1_2,
XML_SCHEMAP_SRC_IMPORT_2,
XML_SCHEMAP_SRC_IMPORT_2_1,
XML_SCHEMAP_SRC_IMPORT_2_2,
XML_SCHEMAP_INTERNAL,
XML_SCHEMAP_NOT_DETERMINISTIC,
XML_SCHEMAP_SRC_ATTRIBUTE_GROUP_1,
XML_SCHEMAP_SRC_ATTRIBUTE_GROUP_2,
XML_SCHEMAP_SRC_ATTRIBUTE_GROUP_3,
```

```
    XML_SCHEMAP_MG_PROPS_CORRECT_1,
    XML_SCHEMAP_MG_PROPS_CORRECT_2,
    XML_SCHEMAP_SRC_CT_1,
    XML_SCHEMAP_DERIVATION_OK_RESTRICTION_2_1_3,
    XML_SCHEMAP_AU_PROPS_CORRECT_2,
    XML_SCHEMAP_A_PROPS_CORRECT_2,
    XML_SCHEMAP_C_PROPS_CORRECT,
    XML_SCHEMAP_SRC_REDEFINE,
    XML_SCHEMAP_SRC_IMPORT,
    XML_SCHEMAP_WARN_SKIP_SCHEMA,
    XML_SCHEMAP_WARN_UNLOCATED_SCHEMA,
    XML_SCHEMAP_WARN_ATTR_REDECL_PROH,
    XML_SCHEMAP_WARN_ATTR_POINTLESS_PROH,
    XML_MODULE_OPEN = 4900,
    XML_MODULE_CLOSE,
    XML_CHECK_FOUND_ELEMENT = 5000,
    XML_CHECK_FOUND_ATTRIBUTE,
    XML_CHECK_FOUND_TEXT,
    XML_CHECK_FOUND_CDATA,
    XML_CHECK_FOUND_ENTITYREF,
    XML_CHECK_FOUND_ENTITY,
    XML_CHECK_FOUND_PI,
    XML_CHECK_FOUND_COMMENT,
    XML_CHECK_FOUND_DOCTYPE,
    XML_CHECK_FOUND_FRAGMENT,
    XML_CHECK_FOUND_NOTATION,
    XML_CHECK_UNKNOWN_NODE,
    XML_CHECK_ENTITY_TYPE,
    XML_CHECK_NO_PARENT,
    XML_CHECK_NO_DOC,
    XML_CHECK_NO_NAME,
    XML_CHECK_NO_ELEM,
    XML_CHECK_WRONG_DOC,
    XML_CHECK_NO_PREV,
    XML_CHECK_WRONG_PREV,
    XML_CHECK_NO_NEXT,
    XML_CHECK_WRONG_NEXT,
    XML_CHECK_NOT_DTD,
    XML_CHECK_NOT_ATTR,
    XML_CHECK_NOT_ATTR_DECL,
    XML_CHECK_NOT_ELEM_DECL,
    XML_CHECK_NOT_ENTITY_DECL,
    XML_CHECK_NOT_NS_DECL,
    XML_CHECK_NO_HREF,
    XML_CHECK_WRONG_PARENT,
    XML_CHECK_NS_SCOPE,
    XML_CHECK_NS_ANCESTOR,
    XML_CHECK_NOT_UTF8,
    XML_CHECK_NO_DICT,
    XML_CHECK_NOT_NCNAME,
    XML_CHECK_OUTSIDE_DICT,
    XML_CHECK_WRONG_NAME,
    XML_CHECK_NAME_NOT_NULL,
    XML_I18N_NO_NAME = 6000,
    XML_I18N_NO_HANDLER,
    XML_I18N_EXCESS_HANDLER,
    XML_I18N_CONV_FAILED,
    XML_I18N_NO_OUTPUT
} xmlParserErrors;
extern void xmlParserPrintFileInfo(xmlParserInputPtr);
extern void xmlSetGenericErrorFunc(void *, xmlGenericErrorFunc);
extern void xmlCtxtResetLastError(void *);
extern void xmlParserValidityWarning(void *, const char *, ...);
extern int xmlCopyError(xmlErrorPtr, xmlErrorPtr);
extern void initGenericErrorDefaultFunc(xmlGenericErrorFunc *);
extern xmlErrorPtr xmlCtxtGetLastError(void *);
```

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```
extern void xmlParserPrintFileContext(xmlParserInputPtr);
extern void xmlResetLastError(void);
extern        void        xmlSetStructuredErrorFunc(void        *,
xmlStructuredErrorFunc);
extern void xmlParserWarning(void *, const char *, ...);
extern void xmlResetError(xmlErrorPtr);
extern xmlErrorPtr xmlGetLastError(void);
extern void xmlParserValidityError(void *, const char *, ...);
extern void xmlParserError(void *, const char *, ...);
```

14.2.26 libxml2/libxml/xmlexports.h

```
#define XMLCALL
#define XMLCDECL
#define XMLPUBFUN
#define XMLPUBVAR       extern
#define LIBXML_DLL_IMPORT       XMLPUBVAR
```

14.2.27 libxml2/libxml/xmlmemory.h

```
typedef void (*xmlFreeFunc) (void *);
typedef void *(*xmlMallocFunc) (size_t);
typedef void *(*xmlReallocFunc) (void *, size_t);
typedef char *(*xmlStrdupFunc) (const char *);
extern void xmlCleanupMemory(void);
extern void xmlMemFree(void *);
extern void xmlMemShow(FILE *, int);
extern      int      xmlMemSetup(xmlFreeFunc,      xmlMallocFunc,
xmlReallocFunc,
                       xmlStrdupFunc);
extern void *xmlMemRealloc(void *, size_t);
extern void *xmlMemMalloc(size_t);
extern void xmlMemoryDump(void);
extern int xmlInitMemory(void);
extern    int    xmlMemGet(xmlFreeFunc    *,    xmlMallocFunc    *,
xmlReallocFunc *,
                     xmlStrdupFunc *);
extern char *xmlMemoryStrdup(const char *);
extern void *xmlReallocLoc(void *, size_t, const char *, int);
extern     int     xmlGcMemSetup(xmlFreeFunc,      xmlMallocFunc,
xmlMallocFunc,
                        xmlReallocFunc, xmlStrdupFunc);
extern int xmlMemUsed(void);
extern void xmlMemDisplay(FILE *);
extern int xmlMemBlocks(void);
extern    int    xmlGcMemGet(xmlFreeFunc    *,    xmlMallocFunc    *,
xmlMallocFunc *,
                       xmlReallocFunc *, xmlStrdupFunc *);
extern void *xmlMallocLoc(size_t, const char *, int);
extern void *xmlMallocAtomicLoc(size_t, const char *, int);
extern char *xmlMemStrdupLoc(const char *, const char *, int);
```

14.2.28 libxml2/libxml/xmlmodule.h

```
typedef struct _xmlModule
 xmlModule;
typedef xmlModule *xmlModulePtr;
typedef enum {
    XML_MODULE_LAZY = 1,
    XML_MODULE_LOCAL = 2
} xmlModuleOption;
extern int xmlModuleClose(xmlModulePtr);
```

```
extern int xmlModuleFree(xmlModulePtr);
extern int xmlModuleSymbol(xmlModulePtr, const char *, void **);
extern xmlModulePtr xmlModuleOpen(const char *, int);
```

14.2.29 libxml2/libxml/xmlreader.h

```
typedef struct _xmlTextReader
 xmlTextReader;
typedef xmlTextReader *xmlTextReaderPtr;
typedef enum {
    XML_PARSER_SEVERITY_VALIDITY_WARNING = 1,
    XML_PARSER_SEVERITY_VALIDITY_ERROR = 2,
    XML_PARSER_SEVERITY_WARNING = 3,
    XML_PARSER_SEVERITY_ERROR = 4
} xmlParserSeverities;
typedef void *xmlTextReaderLocatorPtr;
typedef void (*xmlTextReaderErrorFunc) (void *, const char *,
                                        xmlParserSeverities,
                                        xmlTextReaderLocatorPtr);
typedef enum {
    XML_PARSER_LOADDTD = 1,
    XML_PARSER_DEFAULTATTRS = 2,
    XML_PARSER_VALIDATE = 3,
    XML_PARSER_SUBST_ENTITIES = 4
} xmlParserProperties;
typedef enum {
    XML_READER_TYPE_NONE = 0,
    XML_READER_TYPE_ELEMENT = 1,
    XML_READER_TYPE_ATTRIBUTE = 2,
    XML_READER_TYPE_TEXT = 3,
    XML_READER_TYPE_CDATA = 4,
    XML_READER_TYPE_ENTITY_REFERENCE = 5,
    XML_READER_TYPE_ENTITY = 6,
    XML_READER_TYPE_PROCESSING_INSTRUCTION = 7,
    XML_READER_TYPE_COMMENT = 8,
    XML_READER_TYPE_DOCUMENT = 9,
    XML_READER_TYPE_DOCUMENT_TYPE = 10,
    XML_READER_TYPE_DOCUMENT_FRAGMENT = 11,
    XML_READER_TYPE_NOTATION = 12,
    XML_READER_TYPE_WHITESPACE = 13,
    XML_READER_TYPE_SIGNIFICANT_WHITESPACE = 14,
    XML_READER_TYPE_END_ELEMENT = 15,
    XML_READER_TYPE_END_ENTITY = 16,
    XML_READER_TYPE_XML_DECLARATION = 17
} xmlReaderTypes;
typedef enum {
    XML_TEXTREADER_MODE_INITIAL = 0,
    XML_TEXTREADER_MODE_INTERACTIVE = 1,
    XML_TEXTREADER_MODE_ERROR = 2,
    XML_TEXTREADER_MODE_EOF = 3,
    XML_TEXTREADER_MODE_CLOSED = 4,
    XML_TEXTREADER_MODE_READING = 5
} xmlTextReaderMode;
extern xmlChar *xmlTextReaderNamespaceUri(xmlTextReaderPtr);
extern xmlChar *xmlTextReaderBaseUri(xmlTextReaderPtr);
extern int xmlTextReaderMoveToFirstAttribute(xmlTextReaderPtr);
extern void xmlTextReaderGetErrorHandler(xmlTextReaderPtr,
                                         xmlTextReaderErrorFunc
*,
                                         void **);
extern  int  xmlTextReaderSchemaValidate(xmlTextReaderPtr,  const
char *);
extern int xmlTextReaderGetParserColumnNumber(xmlTextReaderPtr);
extern xmlNodePtr xmlTextReaderCurrentNode(xmlTextReaderPtr);
extern int xmlTextReaderReadState(xmlTextReaderPtr);
```

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```
extern int xmlTextReaderSetSchema(xmlTextReaderPtr,
xmlSchemaPtr);
extern int xmlTextReaderNext(xmlTextReaderPtr);
extern int xmlTextReaderIsEmptyElement(xmlTextReaderPtr);
extern xmlTextReaderPtr xmlNewTextReader(xmlParserInputBufferPtr,
                                         const char *);
extern int xmlTextReaderGetParserLineNumber(xmlTextReaderPtr);
extern long int xmlTextReaderByteConsumed(xmlTextReaderPtr);
extern int xmlReaderNewIO(xmlTextReaderPtr, xmlInputReadCallback,
                          xmlInputCloseCallback, void *, const
char *,
                          const char *, int);
extern xmlNodePtr xmlTextReaderPreserve(xmlTextReaderPtr);
extern xmlChar *xmlTextReaderReadOuterXml(xmlTextReaderPtr);
extern const xmlChar *xmlTextReaderConstValue(xmlTextReaderPtr);
extern xmlChar *xmlTextReaderGetAttribute(xmlTextReaderPtr,
                                          const xmlChar *);
extern xmlChar *xmlTextReaderPrefix(xmlTextReaderPtr);
extern int xmlTextReaderMoveToAttribute(xmlTextReaderPtr, const
xmlChar *);
extern int xmlTextReaderMoveToNextAttribute(xmlTextReaderPtr);
extern const xmlChar
*xmlTextReaderConstNamespaceUri(xmlTextReaderPtr);
extern int xmlTextReaderNextSibling(xmlTextReaderPtr);
extern xmlChar *xmlTextReaderGetAttributeNs(xmlTextReaderPtr,
                                            const xmlChar *,
                                            const xmlChar *);
extern xmlTextReaderPtr xmlReaderForFile(const char *, const char
*, int);
extern xmlTextReaderPtr xmlReaderForDoc(const xmlChar *, const
char *,
                                        const char *, int);
extern const xmlChar
*xmlTextReaderConstBaseUri(xmlTextReaderPtr);
extern const xmlChar
*xmlTextReaderConstXmlLang(xmlTextReaderPtr);
extern int xmlTextReaderRelaxNGSetSchema(xmlTextReaderPtr,
xmlRelaxNGPtr);
extern xmlChar *xmlTextReaderReadInnerXml(xmlTextReaderPtr);
extern int xmlTextReaderQuoteChar(xmlTextReaderPtr);
extern const xmlChar *xmlTextReaderConstString(xmlTextReaderPtr,
                                               const xmlChar *);
extern int xmlReaderNewFile(xmlTextReaderPtr, const char *, const
char *,
                            int);
extern int xmlTextReaderHasAttributes(xmlTextReaderPtr);
extern void xmlFreeTextReader(xmlTextReaderPtr);
extern int xmlReaderNewWalker(xmlTextReaderPtr, xmlDocPtr);
extern int xmlTextReaderRead(xmlTextReaderPtr);
extern xmlChar
*xmlTextReaderLocatorBaseURI(xmlTextReaderLocatorPtr);
extern int xmlTextReaderMoveToElement(xmlTextReaderPtr);
extern int
xmlTextReaderLocatorLineNumber(xmlTextReaderLocatorPtr);
extern int xmlTextReaderRelaxNGValidate(xmlTextReaderPtr, const
char *);
extern const xmlChar
*xmlTextReaderConstEncoding(xmlTextReaderPtr);
extern xmlTextReaderPtr xmlReaderForIO(xmlInputReadCallback,
                                       xmlInputCloseCallback,
void *,
                                       const char *, const char
*, int);
extern const xmlChar *xmlTextReaderConstPrefix(xmlTextReaderPtr);
extern int xmlTextReaderIsDefault(xmlTextReaderPtr);
extern xmlDocPtr xmlTextReaderCurrentDoc(xmlTextReaderPtr);
```

```
extern int xmlTextReaderIsNamespaceDecl(xmlTextReaderPtr);
extern xmlNodePtr xmlTextReaderExpand(xmlTextReaderPtr);
extern  int  xmlTextReaderPreservePattern(xmlTextReaderPtr,  const
xmlChar *,
                                        const xmlChar * *);
extern xmlChar *xmlTextReaderLocalName(xmlTextReaderPtr);
extern  int  xmlReaderNewMemory(xmlTextReaderPtr,  const  char  *,
int,
                              const char *, const char *, int);
extern                                    xmlParserInputBufferPtr
xmlTextReaderGetRemainder(xmlTextReaderPtr);
extern   xmlChar   *xmlTextReaderGetAttributeNo(xmlTextReaderPtr,
int);
extern xmlChar *xmlTextReaderLookupNamespace(xmlTextReaderPtr,
                                             const xmlChar *);
extern int xmlTextReaderReadAttributeValue(xmlTextReaderPtr);
extern  xmlTextReaderPtr  xmlReaderForFd(int,  const  char  *,  const
char *,
                                       int);
extern int xmlTextReaderClose(xmlTextReaderPtr);
extern int xmlTextReaderDepth(xmlTextReaderPtr);
extern int xmlTextReaderGetParserProp(xmlTextReaderPtr, int);
extern int xmlReaderNewFd(xmlTextReaderPtr, int, const char *,
                         const char *, int);
extern xmlTextReaderPtr xmlReaderWalker(xmlDocPtr);
extern int xmlTextReaderIsValid(xmlTextReaderPtr);
extern void xmlTextReaderSetErrorHandler(xmlTextReaderPtr,
                                         xmlTextReaderErrorFunc,
void *);
extern xmlTextReaderPtr xmlNewTextReaderFilename(const char *);
extern xmlChar *xmlTextReaderValue(xmlTextReaderPtr);
extern  xmlTextReaderPtr  xmlReaderForMemory(const  char  *,  int,
const char *,
                                          const char *, int);
extern   int   xmlTextReaderSetParserProp(xmlTextReaderPtr,   int,
int);
extern const xmlChar *xmlTextReaderConstName(xmlTextReaderPtr);
extern xmlChar *xmlTextReaderXmlLang(xmlTextReaderPtr);
extern int xmlTextReaderMoveToAttributeNo(xmlTextReaderPtr, int);
extern  int  xmlReaderNewDoc(xmlTextReaderPtr,  const  xmlChar  *,
const char *,
                           const char *, int);
extern xmlChar *xmlTextReaderName(xmlTextReaderPtr);
extern int xmlTextReaderMoveToAttributeNs(xmlTextReaderPtr,
                                          const xmlChar *,
                                          const xmlChar *);
extern xmlChar *xmlTextReaderReadString(xmlTextReaderPtr);
extern int xmlTextReaderNormalization(xmlTextReaderPtr);
extern                        const                        xmlChar
*xmlTextReaderConstLocalName(xmlTextReaderPtr);
extern int xmlTextReaderHasValue(xmlTextReaderPtr);
extern int xmlTextReaderNodeType(xmlTextReaderPtr);
extern int xmlTextReaderStandalone(xmlTextReaderPtr);
extern                                                          void
xmlTextReaderSetStructuredErrorHandler(xmlTextReaderPtr,

xmlStructuredErrorFunc,
                                                     void *);
extern int xmlTextReaderAttributeCount(xmlTextReaderPtr);
extern                        const                        xmlChar
*xmlTextReaderConstXmlVersion(xmlTextReaderPtr);
```

14.2.30 libxml2/libxml/xmlregexp.h

```
typedef struct _xmlRegexp
```

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```
 xmlRegexp;
typedef xmlRegexp *xmlRegexpPtr;
typedef struct _xmlRegExecCtxt
 xmlRegExecCtxt;
typedef xmlRegExecCtxt *xmlRegExecCtxtPtr;
typedef struct _xmlExpNode
 xmlExpNode;
typedef xmlExpNode *xmlExpNodePtr;
typedef  void  (*xmlRegExecCallbacks)  (xmlRegExecCtxtPtr,  const
xmlChar *,
                                    void *, void *);
typedef struct _xmlExpCtxt
 xmlExpCtxt;
typedef xmlExpCtxt *xmlExpCtxtPtr;
typedef enum {
    XML_EXP_EMPTY = 0,
    XML_EXP_FORBID = 1,
    XML_EXP_ATOM = 2,
    XML_EXP_SEQ = 3,
    XML_EXP_OR = 4,
    XML_EXP_COUNT = 5
} xmlExpNodeType;
extern void xmlRegexpPrint(FILE *, xmlRegexpPtr);
extern void xmlRegFreeExecCtxt(xmlRegExecCtxtPtr);
extern xmlExpNodePtr forbiddenExp;
extern xmlRegExecCtxtPtr xmlRegNewExecCtxt(xmlRegexpPtr,
                                           xmlRegExecCallbacks,
void *);
extern int xmlExpMaxToken(xmlExpNodePtr);
extern       xmlExpNodePtr       xmlExpStringDerive(xmlExpCtxtPtr,
xmlExpNodePtr,
                                        const xmlChar *, int);
extern  int  xmlRegExecPushString(xmlRegExecCtxtPtr,  const  xmlChar
*,
                                void *);
extern void xmlExpDump(xmlBufferPtr, xmlExpNodePtr);
extern     int     xmlExpSubsume(xmlExpCtxtPtr,     xmlExpNodePtr,
xmlExpNodePtr);
extern xmlExpCtxtPtr xmlExpNewCtxt(int, xmlDictPtr);
extern xmlExpNodePtr xmlExpParse(xmlExpCtxtPtr, const char *);
extern int xmlRegExecNextValues(xmlRegExecCtxtPtr, int *, int *,
                                xmlChar * *, int *);
extern xmlExpNodePtr emptyExp;
extern void xmlExpFree(xmlExpCtxtPtr, xmlExpNodePtr);
extern xmlExpNodePtr xmlExpNewSeq(xmlExpCtxtPtr, xmlExpNodePtr,
                                  xmlExpNodePtr);
extern void xmlExpRef(xmlExpNodePtr);
extern  int  xmlExpGetStart(xmlExpCtxtPtr,  xmlExpNodePtr,  const
xmlChar * *,
                           int);
extern int xmlRegExecPushString2(xmlRegExecCtxtPtr, const xmlChar
*,
                                 const xmlChar *, void *);
extern int xmlExpCtxtNbNodes(xmlExpCtxtPtr);
extern int xmlExpIsNillable(xmlExpNodePtr);
extern xmlExpNodePtr xmlExpNewOr(xmlExpCtxtPtr, xmlExpNodePtr,
                                 xmlExpNodePtr);
extern int xmlExpCtxtNbCons(xmlExpCtxtPtr);
extern xmlExpNodePtr xmlExpNewRange(xmlExpCtxtPtr, xmlExpNodePtr,
int,
                                    int);
extern int xmlRegexpIsDeterminist(xmlRegexpPtr);
extern  xmlExpNodePtr  xmlExpNewAtom(xmlExpCtxtPtr,  const  xmlChar
*, int);
extern xmlRegexpPtr xmlRegexpCompile(const xmlChar *);
extern void xmlRegFreeRegexp(xmlRegexpPtr);
```

```
extern        xmlExpNodePtr        xmlExpExpDerive(xmlExpCtxtPtr,
xmlExpNodePtr,
                                    xmlExpNodePtr);
extern int xmlExpGetLanguage(xmlExpCtxtPtr, xmlExpNodePtr,
                             const xmlChar * *, int);
extern void xmlExpFreeCtxt(xmlExpCtxtPtr);
extern  int  xmlRegExecErrInfo(xmlRegExecCtxtPtr,  const  xmlChar  *
*, int *,
                             int *, xmlChar * *, int *);
extern int xmlRegexpExec(xmlRegexpPtr, const xmlChar *);
```

14.2.31 libxml2/libxml/xmlsave.h

```
typedef struct _xmlSaveCtxt
 xmlSaveCtxt;
typedef xmlSaveCtxt *xmlSaveCtxtPtr;
typedef enum {
    XML_SAVE_FORMAT = 1 << 0,
    XML_SAVE_NO_DECL = 1 << 1,
    XML_SAVE_NO_EMPTY = 1 << 2,
    XML_SAVE_NO_XHTML = 1 << 3
} xmlSaveOption;
extern          int          xmlSaveSetAttrEscape(xmlSaveCtxtPtr,
xmlCharEncodingOutputFunc);
extern long int xmlSaveDoc(xmlSaveCtxtPtr, xmlDocPtr);
extern xmlSaveCtxtPtr xmlSaveToFilename(const char *, const char
*, int);
extern xmlSaveCtxtPtr xmlSaveToFd(int, const char *, int);
extern            int            xmlSaveSetEscape(xmlSaveCtxtPtr,
xmlCharEncodingOutputFunc);
extern xmlSaveCtxtPtr xmlSaveToIO(xmlOutputWriteCallback,
                                  xmlOutputCloseCallback, void *,
                                  const char *, int);
extern int xmlSaveClose(xmlSaveCtxtPtr);
extern long int xmlSaveTree(xmlSaveCtxtPtr, xmlNodePtr);
extern int xmlSaveFlush(xmlSaveCtxtPtr);
```

14.2.32 libxml2/libxml/xmlschemas.h

```
typedef struct _xmlSchemaValidCtxt
 xmlSchemaValidCtxt;
typedef xmlSchemaValidCtxt *xmlSchemaValidCtxtPtr;
typedef struct _xmlSchemaSAXPlug
 xmlSchemaSAXPlugStruct;
typedef xmlSchemaSAXPlugStruct *xmlSchemaSAXPlugPtr;
typedef struct _xmlSchemaParserCtxt
 xmlSchemaParserCtxt;
typedef xmlSchemaParserCtxt *xmlSchemaParserCtxtPtr;
typedef void (*xmlSchemaValidityErrorFunc) (void *, const char *,
...);
typedef void (*xmlSchemaValidityWarningFunc) (void *, const char
*, ...);
typedef struct _xmlSchema
 xmlSchema;
typedef xmlSchema *xmlSchemaPtr;
typedef enum {
    XML_SCHEMA_VAL_VC_I_CREATE = 1 << 0
} xmlSchemaValidOption;
extern   int   xmlSchemaValidateFile(xmlSchemaValidCtxtPtr,   const
char *, int);
extern int xmlSchemaSAXUnplug(xmlSchemaSAXPlugPtr);
extern   xmlSchemaParserCtxtPtr   xmlSchemaNewMemParserCtxt(const
char *, int);
```

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```
extern   int   xmlSchemaValidateOneElement(xmlSchemaValidCtxtPtr,
xmlNodePtr);
extern int xmlSchemaIsValid(xmlSchemaValidCtxtPtr);
extern                                    xmlSchemaSAXPlugPtr
xmlSchemaSAXPlug(xmlSchemaValidCtxtPtr,
                                          xmlSAXHandlerPtr    *,
void **);
extern void xmlSchemaFreeParserCtxt(xmlSchemaParserCtxtPtr);
extern      int      xmlSchemaValidateDoc(xmlSchemaValidCtxtPtr,
xmlDocPtr);
extern int xmlSchemaGetValidErrors(xmlSchemaValidCtxtPtr,
                                   xmlSchemaValidityErrorFunc *,
                                   xmlSchemaValidityWarningFunc
*,
                                   void **);
extern void xmlSchemaDump(FILE *, xmlSchemaPtr);
extern                                                      void
xmlSchemaSetValidStructuredErrors(xmlSchemaValidCtxtPtr,

xmlStructuredErrorFunc,
                                          void *);
extern int xmlSchemaValidateStream(xmlSchemaValidCtxtPtr,
                                   xmlParserInputBufferPtr,
                                   xmlCharEncoding,
xmlSAXHandlerPtr,
                                   void *);
extern xmlSchemaPtr xmlSchemaParse(xmlSchemaParserCtxtPtr);
extern xmlSchemaValidCtxtPtr xmlSchemaNewValidCtxt(xmlSchemaPtr);
extern int xmlSchemaGetParserErrors(xmlSchemaParserCtxtPtr,
                                    xmlSchemaValidityErrorFunc *,
                                    xmlSchemaValidityWarningFunc
*,
                                    void **);
extern void xmlSchemaFreeValidCtxt(xmlSchemaValidCtxtPtr);
extern int xmlSchemaSetValidOptions(xmlSchemaValidCtxtPtr, int);
extern int xmlSchemaValidCtxtGetOptions(xmlSchemaValidCtxtPtr);
extern  xmlSchemaParserCtxtPtr  xmlSchemaNewParserCtxt(const  char
*);
extern void xmlSchemaSetValidErrors(xmlSchemaValidCtxtPtr,
                                    xmlSchemaValidityErrorFunc,
                                    xmlSchemaValidityWarningFunc,
void *);
extern                                    xmlSchemaParserCtxtPtr
xmlSchemaNewDocParserCtxt(xmlDocPtr);
extern void xmlSchemaSetParserErrors(xmlSchemaParserCtxtPtr,
                                     xmlSchemaValidityErrorFunc,

xmlSchemaValidityWarningFunc, void *);
extern void xmlSchemaFree(xmlSchemaPtr);
```

14.2.33 libxml2/libxml/xmlschemastypes.h

```
typedef struct _xmlSchemaType
 xmlSchemaType;
typedef xmlSchemaType *xmlSchemaTypePtr;
typedef struct _xmlSchemaVal
 xmlSchemaVal;
typedef xmlSchemaVal *xmlSchemaValPtr;
typedef enum {
    XML_SCHEMAS_UNKNOWN = 0,
    XML_SCHEMAS_STRING = 1,
    XML_SCHEMAS_NORMSTRING = 2,
    XML_SCHEMAS_DECIMAL = 3,
    XML_SCHEMAS_TIME = 4,
    XML_SCHEMAS_GDAY = 5,
```

```
    XML_SCHEMAS_GMONTH = 6,
    XML_SCHEMAS_GMONTHDAY = 7,
    XML_SCHEMAS_GYEAR = 8,
    XML_SCHEMAS_GYEARMONTH = 9,
    XML_SCHEMAS_DATE = 10,
    XML_SCHEMAS_DATETIME = 11,
    XML_SCHEMAS_DURATION = 12,
    XML_SCHEMAS_FLOAT = 13,
    XML_SCHEMAS_DOUBLE = 14,
    XML_SCHEMAS_BOOLEAN = 15,
    XML_SCHEMAS_TOKEN = 16,
    XML_SCHEMAS_LANGUAGE = 17,
    XML_SCHEMAS_NMTOKEN = 18,
    XML_SCHEMAS_NMTOKENS = 19,
    XML_SCHEMAS_NAME = 20,
    XML_SCHEMAS_QNAME = 21,
    XML_SCHEMAS_NCNAME = 22,
    XML_SCHEMAS_ID = 23,
    XML_SCHEMAS_IDREF = 24,
    XML_SCHEMAS_IDREFS = 25,
    XML_SCHEMAS_ENTITY = 26,
    XML_SCHEMAS_ENTITIES = 27,
    XML_SCHEMAS_NOTATION = 28,
    XML_SCHEMAS_ANYURI = 29,
    XML_SCHEMAS_INTEGER = 30,
    XML_SCHEMAS_NPINTEGER = 31,
    XML_SCHEMAS_NINTEGER = 32,
    XML_SCHEMAS_NNINTEGER = 33,
    XML_SCHEMAS_PINTEGER = 34,
    XML_SCHEMAS_INT = 35,
    XML_SCHEMAS_UINT = 36,
    XML_SCHEMAS_LONG = 37,
    XML_SCHEMAS_ULONG = 38,
    XML_SCHEMAS_SHORT = 39,
    XML_SCHEMAS_USHORT = 40,
    XML_SCHEMAS_BYTE = 41,
    XML_SCHEMAS_UBYTE = 42,
    XML_SCHEMAS_HEXBINARY = 43,
    XML_SCHEMAS_BASE64BINARY = 44,
    XML_SCHEMAS_ANYTYPE = 45,
    XML_SCHEMAS_ANYSIMPLETYPE = 46
} xmlSchemaValType;
extern   int   xmlSchemaValPredefTypeNode(xmlSchemaTypePtr,   const
xmlChar *,
                                    xmlSchemaValPtr           *,
xmlNodePtr);
extern xmlChar *xmlSchemaCollapseString(const xmlChar *);
extern void xmlSchemaCleanupTypes(void);
extern xmlSchemaValType xmlSchemaGetValType(xmlSchemaValPtr);
extern void xmlSchemaFreeValue(xmlSchemaValPtr);
extern void xmlSchemaInitTypes(void);
extern  int  xmlSchemaGetCanonValue(xmlSchemaValPtr,  const  xmlChar
* *);
extern         int         xmlSchemaCompareValues(xmlSchemaValPtr,
xmlSchemaValPtr);
extern                                          xmlSchemaTypePtr
xmlSchemaGetBuiltInType(xmlSchemaValType);
```

14.2.34 libxml2/libxml/xmlstring.h

```
#define BAD_CAST        (xmlChar *)

typedef unsigned char xmlChar;
extern int xmlCheckUTF8(const unsigned char *);
extern int xmlUTF8Strlen(const xmlChar *);
```

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```
extern const xmlChar *xmlStrstr(const xmlChar *, const xmlChar
*);
extern int xmlStrEqual(const xmlChar *, const xmlChar *);
extern xmlChar *xmlStrdup(const xmlChar *);
extern const xmlChar *xmlStrcasestr(const xmlChar *, xmlChar *);
extern const xmlChar *xmlStrchr(const xmlChar *, xmlChar);
extern int xmlGetUTF8Char(const unsigned char *, int *);
extern const xmlChar *xmlUTF8Strpos(const xmlChar *, int);
extern int xmlUTF8Size(const xmlChar *);
extern int xmlStrlen(const xmlChar *);
extern xmlChar *xmlUTF8Strndup(const xmlChar *, int);
extern int xmlUTF8Charcmp(const xmlChar *, const xmlChar *);
extern xmlChar *xmlStrcat(xmlChar *, const xmlChar *);
extern int xmlStrncasecmp(const xmlChar *, const xmlChar *, int);
extern int xmlStrncmp(const xmlChar *, const xmlChar *, int);
extern xmlChar *xmlStrncatNew(const xmlChar *, const xmlChar *,
int);
extern xmlChar *xmlCharStrndup(const char *, int);
extern xmlChar *xmlStrndup(const xmlChar *, int);
extern xmlChar *xmlStrncat(xmlChar *, const xmlChar *, int);
extern xmlChar *xmlStrsub(const xmlChar *, int, int);
extern int xmlStrQEqual(const xmlChar *, const xmlChar *, const
xmlChar *);
extern int xmlStrPrintf(xmlChar *, int, const xmlChar *, ...);
extern xmlChar *xmlUTF8Strsub(const xmlChar *, int, int);
extern int xmlStrVPrintf(xmlChar *, int, const xmlChar *,
va_list);
extern int xmlStrcmp(const xmlChar *, const xmlChar *);
extern int xmlUTF8Strloc(const xmlChar *, const xmlChar *);
extern xmlChar *xmlCharStrdup(const char *);
extern int xmlStrcasecmp(const xmlChar *, const xmlChar *);
extern int xmlUTF8Strsize(const xmlChar *, int);
```

14.2.35 libxml2/libxml/xmlversion.h

```
#define LIBXML_AUTOMATA_ENABLED
#define LIBXML_C14N_ENABLED
#define LIBXML_CATALOG_ENABLED
#define LIBXML_DEBUG_ENABLED
#define LIBXML_DOCB_ENABLED
#define LIBXML_EXPR_ENABLED
#define LIBXML_FTP_ENABLED
#define LIBXML_HTML_ENABLED
#define LIBXML_HTTP_ENABLED
#define LIBXML_ICONV_ENABLED
#define LIBXML_ISO8859X_ENABLED
#define LIBXML_LEGACY_ENABLED
#define LIBXML_MODULES_ENABLED
#define LIBXML_OUTPUT_ENABLED
#define LIBXML_PATTERN_ENABLED
#define LIBXML_PUSH_ENABLED
#define LIBXML_READER_ENABLED
#define LIBXML_REGEXP_ENABLED
#define LIBXML_SAX1_ENABLED
#define LIBXML_SCHEMAS_ENABLED
#define LIBXML_SCHEMATRON_ENABLED
#define LIBXML_THREAD_ENABLED
#define LIBXML_TREE_ENABLED
#define LIBXML_UNICODE_ENABLED
#define LIBXML_VALID_ENABLED
#define LIBXML_VERSION_EXTRA    ""
#define LIBXML_WRITER_ENABLED
#define LIBXML_XINCLUDE_ENABLED
#define LIBXML_XPATH_ENABLED
#define LIBXML_XPTR_ENABLED
```

```
#define WITHOUT_TRIO
#define LIBXML_MODULE_EXTENSION ".so"
#define LIBXML_DOTTED_VERSION   "2.6.22"
#define LIBXML_VERSION  20622
#define LIBXML_VERSION_STRING   "20622"
#define LIBXML_TEST_VERSION     xmlCheckVersion(20622);
#define ATTRIBUTE_UNUSED        __attribute__((unused))

extern void xmlCheckVersion(int);
```

14.2.36 libxml2/libxml/xmlwriter.h

```
#define xmlTextWriterWriteDocType       xmlTextWriterWriteDTD
#define                    xmlTextWriterWriteProcessingInstruction
xmlTextWriterWritePI

typedef struct _xmlTextWriter
 xmlTextWriter;
typedef xmlTextWriter *xmlTextWriterPtr;
extern int xmlTextWriterStartCDATA(xmlTextWriterPtr);
extern  xmlTextWriterPtr  xmlNewTextWriterFilename(const  char  *,
int);
extern int xmlTextWriterStartDTDEntity(xmlTextWriterPtr, int,
                                       const xmlChar *);
extern                                                          int
xmlTextWriterWriteFormatDTDInternalEntity(xmlTextWriterPtr, int,
                                                       const
xmlChar *,
                                                       const    char
*, ...);
extern  int  xmlTextWriterWriteVFormatRaw(xmlTextWriterPtr,  const
char *,
                                          va_list);
extern  int  xmlTextWriterStartAttributeNS(xmlTextWriterPtr,  const
xmlChar *,
                                           const  xmlChar  *,  const
xmlChar *);
extern xmlTextWriterPtr xmlNewTextWriter(xmlOutputBufferPtr);
extern int xmlTextWriterEndDocument(xmlTextWriterPtr);
extern                                                           int
xmlTextWriterWriteVFormatDTDInternalEntity(xmlTextWriterPtr,
                                                        int,   const
xmlChar *,
                                                        const   char
*,
                                                        va_list);
extern int xmlTextWriterEndDTDEntity(xmlTextWriterPtr);
extern int xmlTextWriterFullEndElement(xmlTextWriterPtr);
extern    int    xmlTextWriterWriteFormatComment(xmlTextWriterPtr,
const char *,
                                             ...);
extern  int  xmlTextWriterWriteDTDInternalEntity(xmlTextWriterPtr,
int,
                                                 const xmlChar *,
                                                 const xmlChar *);
extern  int  xmlTextWriterWritePI(xmlTextWriterPtr,  const  xmlChar
*,
                                  const xmlChar *);
extern  int  xmlTextWriterStartAttribute(xmlTextWriterPtr,  const
xmlChar *);
extern  int  xmlTextWriterWriteDTDElement(xmlTextWriterPtr,  const
xmlChar *,
                                          const xmlChar *);
extern  int  xmlTextWriterWriteFormatRaw(xmlTextWriterPtr,  const
char *,
```

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```
                                        ...);
extern  int  xmlTextWriterWriteVFormatPI(xmlTextWriterPtr,  const
xmlChar *,
                                        const char *, va_list);
extern                                                          int
xmlTextWriterWriteDTDExternalEntityContents(xmlTextWriterPtr,
                                                        const
xmlChar *,
                                                        const
xmlChar *,
                                                        const
xmlChar *);
extern   int   xmlTextWriterWriteCDATA(xmlTextWriterPtr,   const
xmlChar *);
extern int xmlTextWriterWriteVFormatAttributeNS(xmlTextWriterPtr,
                                                const xmlChar *,
                                                const xmlChar *,
                                                const xmlChar *,
                                                const   char   *,
va_list);
extern  int  xmlTextWriterWriteAttributeNS(xmlTextWriterPtr,  const
xmlChar *,
                                          const  xmlChar  *,  const
xmlChar *,
                                          const xmlChar *);
extern int xmlTextWriterEndPI(xmlTextWriterPtr);
extern int xmlTextWriterWriteVFormatDTDElement(xmlTextWriterPtr,
                                                const xmlChar *,
                                                const    char    *,
va_list);
extern  int  xmlTextWriterWriteDTD(xmlTextWriterPtr,  const  xmlChar
*,
                                  const  xmlChar  *,  const  xmlChar
*,
                                  const xmlChar *);
extern int xmlTextWriterWriteFormatDTDElement(xmlTextWriterPtr,
                                               const xmlChar *,
                                               const char *, ...);
extern  int  xmlTextWriterStartDTDAttlist(xmlTextWriterPtr,  const
xmlChar *);
extern int xmlTextWriterWriteFormatElementNS(xmlTextWriterPtr,
                                              const xmlChar *,
                                              const xmlChar *,
                                              const   xmlChar   *,
const char *,
                                              ...);
extern   int   xmlTextWriterWriteVFormatString(xmlTextWriterPtr,
const char *,
                                             va_list);
extern xmlTextWriterPtr xmlNewTextWriterDoc(xmlDocPtr *, int);
extern int xmlTextWriterStartComment(xmlTextWriterPtr);
extern void xmlFreeTextWriter(xmlTextWriterPtr);
extern   int   xmlTextWriterStartElement(xmlTextWriterPtr,   const
xmlChar *);
extern  int  xmlTextWriterWriteDTDAttlist(xmlTextWriterPtr,  const
xmlChar *,
                                          const xmlChar *);
extern  int  xmlTextWriterWriteDTDExternalEntity(xmlTextWriterPtr,
int,
                                                const xmlChar *,
                                                const xmlChar *,
                                                const xmlChar *,
                                                const xmlChar *);
extern int xmlTextWriterEndComment(xmlTextWriterPtr);
extern int xmlTextWriterWriteVFormatDTDAttlist(xmlTextWriterPtr,
                                                const xmlChar *,
```

```
                                                const    char    *,
va_list);
extern int xmlTextWriterWriteDTDEntity(xmlTextWriterPtr, int,
                                        const   xmlChar   *,   const
xmlChar *,
                                        const   xmlChar   *,   const
xmlChar *,
                                        const xmlChar *);
extern   int   xmlTextWriterStartDocument(xmlTextWriterPtr,   const
char *,
                                       const  char  *,  const  char
*);
extern int xmlTextWriterEndCDATA(xmlTextWriterPtr);
extern  int  xmlTextWriterWriteBase64(xmlTextWriterPtr,  const  char
*, int,
                                    int);
extern                                          xmlTextWriterPtr
xmlNewTextWriterPushParser(xmlParserCtxtPtr, int);
extern  int  xmlTextWriterWriteElementNS(xmlTextWriterPtr,  const
xmlChar *,
                                        const   xmlChar   *,   const
xmlChar *,
                                        const xmlChar *);
extern  int  xmlTextWriterStartPI(xmlTextWriterPtr,  const  xmlChar
*);
extern int xmlTextWriterEndElement(xmlTextWriterPtr);
extern  int  xmlTextWriterWriteFormatDTD(xmlTextWriterPtr,  const
xmlChar *,
                                        const   xmlChar   *,   const
xmlChar *,
                                        const char *, ...);
extern  int  xmlTextWriterWriteRaw(xmlTextWriterPtr,  const  xmlChar
*);
extern      xmlTextWriterPtr      xmlNewTextWriterTree(xmlDocPtr,
xmlNodePtr, int);
extern  int  xmlTextWriterWriteVFormatDTD(xmlTextWriterPtr,  const
xmlChar *,
                                         const  xmlChar  *,  const
xmlChar *,
                                         const char *, va_list);
extern int xmlTextWriterEndDTDAttlist(xmlTextWriterPtr);
extern  int  xmlTextWriterStartDTDElement(xmlTextWriterPtr,  const
xmlChar *);
extern  int  xmlTextWriterSetIndentString(xmlTextWriterPtr,  const
xmlChar *);
extern   int   xmlTextWriterWriteElement(xmlTextWriterPtr,   const
xmlChar *,
                                      const xmlChar *);
extern int xmlTextWriterEndDTDElement(xmlTextWriterPtr);
extern  int  xmlTextWriterStartDTD(xmlTextWriterPtr,  const  xmlChar
*,
                                 const  xmlChar  *,  const  xmlChar
*);
extern int xmlTextWriterWriteFormatAttributeNS(xmlTextWriterPtr,
                                                const xmlChar *,
                                                const xmlChar *,
                                                const xmlChar *,
                                                const    char    *,
...);
extern int xmlTextWriterWriteFormatAttribute(xmlTextWriterPtr,
                                              const   xmlChar   *,
const char *,
                                              ...);
extern  int  xmlTextWriterStartElementNS(xmlTextWriterPtr,  const
xmlChar *,
```

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```
                                        const   xmlChar   *,   const
xmlChar *);
extern int xmlTextWriterWriteVFormatElement(xmlTextWriterPtr,
                                            const    xmlChar    *,
const char *,
                                            va_list);
extern int xmlTextWriterWriteFormatString(xmlTextWriterPtr, const
char *,
                                          ...);
extern  int  xmlTextWriterWriteAttribute(xmlTextWriterPtr,  const
xmlChar *,
                                        const xmlChar *);
extern    xmlTextWriterPtr    xmlNewTextWriterMemory(xmlBufferPtr,
int);
extern   int   xmlTextWriterWriteRawLen(xmlTextWriterPtr,   const
xmlChar *,
                                      int);
extern int xmlTextWriterWriteFormatCDATA(xmlTextWriterPtr, const
char *,
                                         ...);
extern int xmlTextWriterWriteVFormatElementNS(xmlTextWriterPtr,
                                              const xmlChar *,
                                              const xmlChar *,
                                              const xmlChar *,
                                              const    char    *,
va_list);
extern int xmlTextWriterWriteVFormatAttribute(xmlTextWriterPtr,
                                              const xmlChar *,
                                              const    char    *,
va_list);
extern int xmlTextWriterSetIndent(xmlTextWriterPtr, int);
extern int xmlTextWriterWriteDTDNotation(xmlTextWriterPtr, const
xmlChar *,
                                           const  xmlChar  *,  const
xmlChar *);
extern int xmlTextWriterWriteFormatDTDAttlist(xmlTextWriterPtr,
                                              const xmlChar *,
                                              const char *, ...);
extern int xmlTextWriterWriteVFormatCDATA(xmlTextWriterPtr, const
char *,
                                            va_list);
extern int xmlTextWriterWriteFormatElement(xmlTextWriterPtr,
                                             const xmlChar *, const
char *,
                                             ...);
extern   int   xmlTextWriterWriteComment(xmlTextWriterPtr,   const
xmlChar *);
extern int xmlTextWriterFlush(xmlTextWriterPtr);
extern   int   xmlTextWriterWriteVFormatComment(xmlTextWriterPtr,
const char *,
                                            va_list);
extern   int   xmlTextWriterWriteString(xmlTextWriterPtr,   const
xmlChar *);
extern  int  xmlTextWriterWriteFormatPI(xmlTextWriterPtr,  const
xmlChar *,
                                       const char *, ...);
extern int xmlTextWriterEndDTD(xmlTextWriterPtr);
extern int xmlTextWriterEndAttribute(xmlTextWriterPtr);
extern int xmlTextWriterWriteBinHex(xmlTextWriterPtr, const char
*, int,
                                      int);
```

14.2.37 libxml2/libxml/xpath.h

```
#define xmlXPathNodeSetItem(ns,index)    \
```

```
        ((((ns) != NULL) && ((index) >= 0) && ((index) < (ns)-
>nodeNr)) ? \
        (ns)->nodeTab[(index)] : NULL)
#define xmlXPathNodeSetIsEmpty(ns)       \
        (((ns) == NULL) || ((ns)->nodeNr == 0) || ((ns)->nodeTab
== NULL))
#define xmlXPathNodeSetGetLength(ns)    ((ns) ? (ns)->nodeNr : 0)
#define XML_XPATH_CHECKNS       (1<<0)
#define XML_XPATH_NOVAR (1<<1)

typedef struct _xmlXPathCompExpr
 xmlXPathCompExpr;
typedef xmlXPathCompExpr *xmlXPathCompExprPtr;
typedef enum {
    XPATH_UNDEFINED = 0,
    XPATH_NODESET = 1,
    XPATH_BOOLEAN = 2,
    XPATH_NUMBER = 3,
    XPATH_STRING = 4,
    XPATH_POINT = 5,
    XPATH_RANGE = 6,
    XPATH_LOCATIONSET = 7,
    XPATH_USERS = 8,
    XPATH_XSLT_TREE = 9
} xmlXPathObjectType;
typedef struct _xmlNodeSet {
    int nodeNr;
    int nodeMax;
    xmlNodePtr *nodeTab;
} xmlNodeSet;
typedef xmlNodeSet *xmlNodeSetPtr;
typedef struct _xmlXPathObject {
    xmlXPathObjectType type;
    xmlNodeSetPtr nodesetval;
    int boolval;
    double floatval;
    xmlChar *stringval;
    void *user;
    int index;
    void *user2;
    int index2;
} xmlXPathObject;
typedef xmlXPathObject *xmlXPathObjectPtr;
typedef int (*xmlXPathConvertFunc) (xmlXPathObjectPtr, int);
typedef struct _xmlXPathType {
    const xmlChar *name;
    xmlXPathConvertFunc func;
} xmlXPathType;
typedef xmlXPathType *xmlXPathTypePtr;
typedef struct _xmlXPathContext {
    xmlDocPtr doc;
    xmlNodePtr node;
    int nb_variables_unused;
    int max_variables_unused;
    xmlHashTablePtr varHash;
    int nb_types;
    int max_types;
    xmlXPathTypePtr types;
    int nb_funcs_unused;
    int max_funcs_unused;
    xmlHashTablePtr funcHash;
    int nb_axis;
    int max_axis;
    xmlXPathAxisPtr axis;
    xmlNsPtr *namespaces;
    int nsNr;
```

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```
    void *user;
    int contextSize;
    int proximityPosition;
    int xptr;
    xmlNodePtr here;
    xmlNodePtr origin;
    xmlHashTablePtr nsHash;
    xmlXPathVariableLookupFunc varLookupFunc;
    void *varLookupData;
    void *extra;
    const xmlChar *function;
    const xmlChar *functionURI;
    xmlXPathFuncLookupFunc funcLookupFunc;
    void *funcLookupData;
    xmlNsPtr *tmpNsList;
    int tmpNsNr;
    void *userData;
    xmlStructuredErrorFunc error;
    xmlError lastError;
    xmlNodePtr debugNode;
    xmlDictPtr dict;
    int flags;
} xmlXPathContext;
typedef xmlXPathContext *xmlXPathContextPtr;
typedef struct _xmlXPathParserContext {
    const xmlChar *cur;
    const xmlChar *base;
    int error;
    xmlXPathContextPtr context;
    xmlXPathObjectPtr value;
    int valueNr;
    int valueMax;
    xmlXPathObjectPtr *valueTab;
    xmlXPathCompExprPtr comp;
    int xptr;
    xmlNodePtr ancestor;
} xmlXPathParserContext;
typedef xmlXPathParserContext *xmlXPathParserContextPtr;
typedef                      xmlXPathObjectPtr(*xmlXPathAxisFunc)
(xmlXPathParserContextPtr,
                                                xmlXPathObjectPtr);
typedef struct _xmlXPathAxis {
    const xmlChar *name;
    xmlXPathAxisFunc func;
} xmlXPathAxis;
typedef xmlXPathAxis *xmlXPathAxisPtr;
typedef xmlXPathObjectPtr(*xmlXPathVariableLookupFunc) (void *,
                                                         const
xmlChar *,
                                                         const
xmlChar *);
typedef void (*xmlXPathFunction) (xmlXPathParserContextPtr, int);
typedef  xmlXPathFunction(*xmlXPathFuncLookupFunc)  (void  *,  const
xmlChar *,
                                                      const   xmlChar
*);
typedef enum {
    XPATH_EXPRESSION_OK = 0,
    XPATH_NUMBER_ERROR,
    XPATH_UNFINISHED_LITERAL_ERROR,
    XPATH_START_LITERAL_ERROR,
    XPATH_VARIABLE_REF_ERROR,
    XPATH_UNDEF_VARIABLE_ERROR,
    XPATH_INVALID_PREDICATE_ERROR,
    XPATH_EXPR_ERROR,
    XPATH_UNCLOSED_ERROR,
```

```
    XPATH_UNKNOWN_FUNC_ERROR,
    XPATH_INVALID_OPERAND,
    XPATH_INVALID_TYPE,
    XPATH_INVALID_ARITY,
    XPATH_INVALID_CTXT_SIZE,
    XPATH_INVALID_CTXT_POSITION,
    XPATH_MEMORY_ERROR,
    XPTR_SYNTAX_ERROR,
    XPTR_RESOURCE_ERROR,
    XPTR_SUB_RESOURCE_ERROR,
    XPATH_UNDEF_PREFIX_ERROR,
    XPATH_ENCODING_ERROR,
    XPATH_INVALID_CHAR_ERROR,
    XPATH_INVALID_CTXT
} xmlXPathError;
typedef void (*xmlXPathEvalFunc) (xmlXPathParserContextPtr, int);
typedef struct _xmlXPathFunct {
    const xmlChar *name;
    xmlXPathEvalFunc func;
} xmlXPathFunct;
typedef struct _xmlXPathVariable {
    const xmlChar *name;
    xmlXPathObjectPtr value;
} xmlXPathVariable;
typedef xmlXPathVariable *xmlXPathVariablePtr;
typedef xmlXPathFunct *xmlXPathFuncPtr;
extern double xmlXPathCastNodeToNumber(xmlNodePtr);
extern long int xmlXPathOrderDocElems(xmlDocPtr);
extern void xmlXPathFreeCompExpr(xmlXPathCompExprPtr);
extern int xmlXPathIsInf(double);
extern xmlXPathContextPtr xmlXPathNewContext(xmlDocPtr);
extern double xmlXPathCastNodeSetToNumber(xmlNodeSetPtr);
extern int xmlXPathCastNumberToBoolean(double);
extern int xmlXPathCmpNodes(xmlNodePtr, xmlNodePtr);
extern xmlChar *xmlXPathCastNodeSetToString(xmlNodeSetPtr);
extern                                          xmlXPathCompExprPtr
xmlXPathCtxtCompile(xmlXPathContextPtr,
                                                const xmlChar *);
extern xmlXPathCompExprPtr xmlXPathCompile(const xmlChar *);
extern                                            xmlXPathObjectPtr
xmlXPathConvertNumber(xmlXPathObjectPtr);
extern int xmlXPathIsNaN(double);
extern xmlChar *xmlXPathCastNodeToString(xmlNodePtr);
extern int xmlXPathCastToBoolean(xmlXPathObjectPtr);
extern double xmlXPathCastStringToNumber(const xmlChar *);
extern                                            xmlXPathObjectPtr
xmlXPathCompiledEval(xmlXPathCompExprPtr,

xmlXPathContextPtr);
extern void xmlXPathFreeNodeSet(xmlNodeSetPtr);
extern int xmlXPathCastNodeSetToBoolean(xmlNodeSetPtr);
extern xmlChar *xmlXPathCastToString(xmlXPathObjectPtr);
extern xmlChar *xmlXPathCastNumberToString(double);
extern void xmlXPathFreeObject(xmlXPathObjectPtr);
extern double xmlXPathCastToNumber(xmlXPathObjectPtr);
extern                                            xmlXPathObjectPtr
xmlXPathConvertBoolean(xmlXPathObjectPtr);
extern xmlXPathObjectPtr xmlXPathEvalExpression(const xmlChar *,

xmlXPathContextPtr);
extern        int        xmlXPathEvalPredicate(xmlXPathContextPtr,
xmlXPathObjectPtr);
extern int xmlXPathCastStringToBoolean(const xmlChar *);
extern xmlXPathObjectPtr xmlXPathObjectCopy(xmlXPathObjectPtr);
extern xmlNodeSetPtr xmlXPathNodeSetCreate(xmlNodePtr);
extern void xmlXPathFreeContext(xmlXPathContextPtr);
```

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```
extern void xmlXPathInit(void);
extern                                          xmlXPathObjectPtr
xmlXPathConvertString(xmlXPathObjectPtr);
extern xmlChar *xmlXPathCastBooleanToString(int);
extern    xmlXPathObjectPtr    xmlXPathEval(const    xmlChar    *,
xmlXPathContextPtr);
extern double xmlXPathCastBooleanToNumber(int);
extern void xmlXPathFreeNodeSetList(xmlXPathObjectPtr);
extern double xmlXPathNAN;
extern double xmlXPathNINF;
extern double xmlXPathPINF;
```

14.2.38 libxml2/libxml/xpathInternals.h

```
#define xmlXPathStackIsNodeSet(ctxt)     \
        (((ctxt)->value  !=  NULL)  &&  (((ctxt)->value->type  ==
XPATH_NODESET) \
        || ((ctxt)->value->type == XPATH_XSLT_TREE)))
#define xmlXPathStackIsExternal(ctxt)    \
        ((ctxt->value   !=   NULL)   &&   (ctxt->value->type   ==
XPATH_USERS))
#define CAST_TO_BOOLEAN  \
        if  ((ctxt->value  !=  NULL)  &&  (ctxt->value->type  !=
XPATH_BOOLEAN)) \
        xmlXPathBooleanFunction(ctxt, 1);
#define CAST_TO_NUMBER   \
        if  ((ctxt->value  !=  NULL)  &&  (ctxt->value->type  !=
XPATH_NUMBER)) \
        xmlXPathNumberFunction(ctxt, 1);
#define CAST_TO_STRING   \
        if  ((ctxt->value  !=  NULL)  &&  (ctxt->value->type  !=
XPATH_STRING)) \
        xmlXPathStringFunction(ctxt, 1);
#define CHECK_TYPE(typeval)      \
        if  ((ctxt->value  ==  NULL)  ||  (ctxt->value->type  !=
typeval)) \
        XP_ERROR(XPATH_INVALID_TYPE)
#define CHECK_TYPE0(typeval)     \
        if  ((ctxt->value  ==  NULL)  ||  (ctxt->value->type  !=
typeval)) \
        XP_ERROR0(XPATH_INVALID_TYPE)
#define CHECK_ARITY(x)   \
        if (ctxt == NULL) return; if (nargs != (x)) \
        XP_ERROR(XPATH_INVALID_ARITY);
#define xmlXPathReturnBoolean(ctxt,val)  \
        valuePush((ctxt), xmlXPathNewBoolean(val))
#define xmlXPathReturnEmptyString(ctxt)  \
        valuePush((ctxt), xmlXPathNewCString(""))
#define xmlXPathReturnNumber(ctxt,val)   \
        valuePush((ctxt), xmlXPathNewFloat(val))
#define xmlXPathReturnEmptyNodeSet(ctxt)         \
        valuePush((ctxt), xmlXPathNewNodeSet(NULL))
#define xmlXPathReturnExternal(ctxt,val)         \
        valuePush((ctxt), xmlXPathWrapExternal(val))
#define xmlXPathReturnNodeSet(ctxt,ns)   \
        valuePush((ctxt), xmlXPathWrapNodeSet(ns))
#define xmlXPathReturnString(ctxt,str)   \
        valuePush((ctxt), xmlXPathWrapString(str))
#define xmlXPathSetArityError(ctxt)      \
        xmlXPathSetError((ctxt), XPATH_INVALID_ARITY)
#define xmlXPathSetTypeError(ctxt)       \
        xmlXPathSetError((ctxt), XPATH_INVALID_TYPE)
#define xmlXPathEmptyNodeSet(ns)         \
        { while ((ns)->nodeNr > 0) (ns)->nodeTab[(ns)->nodeNr--]
= NULL; }
```

```
#define xmlXPathSetError(ctxt,err)       \
        {  xmlXPatherror((ctxt),  __FILE__,  __LINE__,  (err));  if
((ctxt) != \
        NULL) (ctxt)->error = (err); }
#define xmlXPathGetDocument(ctxt)       ((ctxt)->context->doc)
#define xmlXPathGetContextNode(ctxt)    ((ctxt)->context->node)
#define  xmlXPathCheckError(ctxt)               ((ctxt)->error  !=
XPATH_EXPRESSION_OK)
#define xmlXPathGetError(ctxt)  ((ctxt)->error)
#define CHECK_ERROR      if (ctxt->error != XPATH_EXPRESSION_OK)
return
#define CHECK_ERROR0     if (ctxt->error != XPATH_EXPRESSION_OK)
return(0)
#define                                 xmlXPathReturnFalse(ctxt)
xmlXPathReturnBoolean((ctxt), 0)
#define                                  xmlXPathReturnTrue(ctxt)
xmlXPathReturnBoolean((ctxt), 1)
#define XP_ERROR0(X)    { xmlXPathErr(ctxt, X); return(0); }
#define XP_ERROR(X)     { xmlXPathErr(ctxt, X); return; }

extern  void  xmlXPathStartsWithFunction(xmlXPathParserContextPtr,
int);
extern const xmlChar *xmlXPathNsLookup(xmlXPathContextPtr,
                                       const xmlChar *);
extern      xmlNodeSetPtr      xmlXPathNodeTrailing(xmlNodeSetPtr,
xmlNodePtr);
extern   xmlNodeSetPtr   xmlXPathNodeLeadingSorted(xmlNodeSetPtr,
xmlNodePtr);
extern xmlXPathObjectPtr xmlXPathNewBoolean(int);
extern double xmlXPathStringEvalNumber(const xmlChar *);
extern void xmlXPathNodeSetDel(xmlNodeSetPtr, xmlNodePtr);
extern   void   xmlXPathBooleanFunction(xmlXPathParserContextPtr,
int);
extern xmlXPathObjectPtr xmlXPathNewCString(const char *);
extern   void   xmlXPathNodeSetAddNs(xmlNodeSetPtr,   xmlNodePtr,
xmlNsPtr);
extern        xmlNodeSetPtr        xmlXPathLeading(xmlNodeSetPtr,
xmlNodeSetPtr);
extern void xmlXPathSumFunction(xmlXPathParserContextPtr, int);
extern                                                       void
xmlXPathSubstringAfterFunction(xmlXPathParserContextPtr, int);
extern void xmlXPathNodeSetAdd(xmlNodeSetPtr, xmlNodePtr);
extern   void   xmlXPathCeilingFunction(xmlXPathParserContextPtr,
int);
extern void xmlXPathLastFunction(xmlXPathParserContextPtr, int);
extern xmlNodePtr xmlXPathNextPreceding(xmlXPathParserContextPtr,
                                        xmlNodePtr);
extern        void        xmlXPathDebugDumpCompExpr(FILE        *,
xmlXPathCompExprPtr, int);
extern void xmlXPathFreeParserContext(xmlXPathParserContextPtr);
extern      xmlNodeSetPtr      xmlXPathNodeLeading(xmlNodeSetPtr,
xmlNodePtr);
extern void xmlXPathDivValues(xmlXPathParserContextPtr);
extern xmlNodePtr xmlXPathNextAttribute(xmlXPathParserContextPtr,
                                        xmlNodePtr);
extern void xmlXPathNodeSetRemove(xmlNodeSetPtr, int);
extern xmlNodeSetPtr xmlXPathDistinct(xmlNodeSetPtr);
extern                                                        int
xmlXPathEvaluatePredicateResult(xmlXPathParserContextPtr,
                                          xmlXPathObjectPtr);
extern xmlXPathObjectPtr xmlXPathNewFloat(double);
extern xmlXPathObjectPtr xmlXPathWrapExternal(void *);
extern xmlNodePtr xmlXPathNextFollowing(xmlXPathParserContextPtr,
                                        xmlNodePtr);
extern void xmlXPathRegisterFuncLookup(xmlXPathContextPtr,
```

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```
                                        xmlXPathFuncLookupFunc,
void *);
extern void xmlXPathFloorFunction(xmlXPathParserContextPtr, int);
extern void xmlXPathNotFunction(xmlXPathParserContextPtr, int);
extern xmlXPathObjectPtr xmlXPathNewNodeSet(xmlNodePtr);
extern                                        xmlXPathObjectPtr
xmlXPathVariableLookup(xmlXPathContextPtr,
                                             const xmlChar *);
extern     xmlNodeSetPtr     xmlXPathLeadingSorted(xmlNodeSetPtr,
xmlNodeSetPtr);
extern   void   xmlXPathPositionFunction(xmlXPathParserContextPtr,
int);
extern void xmlXPathRegisterAllFunctions(xmlXPathContextPtr);
extern void xmlXPathRegisteredFuncsCleanup(xmlXPathContextPtr);
extern                                                  xmlNodePtr
xmlXPathNextDescendantOrSelf(xmlXPathParserContextPtr,
                                            xmlNodePtr);
extern int xmlXPathPopBoolean(xmlXPathParserContextPtr);
extern   xmlNodePtr   xmlXPathNextParent(xmlXPathParserContextPtr,
xmlNodePtr);
extern   xmlXPathParserContextPtr   xmlXPathNewParserContext(const
xmlChar *,

xmlXPathContextPtr);
extern void xmlXPathRoundFunction(xmlXPathParserContextPtr, int);
extern void xmlXPathLangFunction(xmlXPathParserContextPtr, int);
extern                                                       void
xmlXPathStringLengthFunction(xmlXPathParserContextPtr, int);
extern  void  xmlXPathLocalNameFunction(xmlXPathParserContextPtr,
int);
extern int xmlXPathIsNodeType(const xmlChar *);
extern          int          valuePush(xmlXPathParserContextPtr,
xmlXPathObjectPtr);
extern void xmlXPathNodeSetAddUnique(xmlNodeSetPtr, xmlNodePtr);
extern void xmlXPathModValues(xmlXPathParserContextPtr);
extern  int  xmlXPathRegisterVariable(xmlXPathContextPtr,  const
xmlChar *,
                                   xmlXPathObjectPtr);
extern xmlXPathObjectPtr valuePop(xmlXPathParserContextPtr);
extern void xmlXPathNodeSetSort(xmlNodeSetPtr);
extern     xmlNodeSetPtr     xmlXPathNodeSetMerge(xmlNodeSetPtr,
xmlNodeSetPtr);
extern  void  xmlXPathNormalizeFunction(xmlXPathParserContextPtr,
int);
extern void xmlXPathRoot(xmlXPathParserContextPtr);
extern void xmlXPathNodeSetFreeNs(xmlNsPtr);
extern void xmlXPathAddValues(xmlXPathParserContextPtr);
extern void xmlXPathIdFunction(xmlXPathParserContextPtr, int);
extern  int  xmlXPathRegisterVariableNS(xmlXPathContextPtr,  const
xmlChar *,
                                     const      xmlChar      *,
xmlXPathObjectPtr);
extern   void   xmlXPathContainsFunction(xmlXPathParserContextPtr,
int);
extern    void    xmlXPathStringFunction(xmlXPathParserContextPtr,
int);
extern                                                  xmlNodePtr
xmlXPathNextDescendant(xmlXPathParserContextPtr,
                                        xmlNodePtr);
extern xmlNodePtr xmlXPathNextAncestor(xmlXPathParserContextPtr,
                                       xmlNodePtr);
extern xmlXPathObjectPtr xmlXPathWrapNodeSet(xmlNodeSetPtr);
extern xmlXPathObjectPtr xmlXPathNewNodeSetList(xmlNodeSetPtr);
extern  void  xmlXPathTranslateFunction(xmlXPathParserContextPtr,
int);
```

```
extern                                                  xmlNodeSetPtr
xmlXPathPopNodeSet(xmlXPathParserContextPtr);
extern                                                     xmlNodePtr
xmlXPathNextAncestorOrSelf(xmlXPathParserContextPtr,
                                                     xmlNodePtr);
extern        xmlNodeSetPtr        xmlXPathTrailing(xmlNodeSetPtr,
xmlNodeSetPtr);
extern void xmlXPathEvalExpr(xmlXPathParserContextPtr);
extern void xmlXPathSubValues(xmlXPathParserContextPtr);
extern                                                     xmlNodePtr
xmlXPathNextPrecedingSibling(xmlXPathParserContextPtr,
                                                       xmlNodePtr);
extern xmlXPathObjectPtr xmlXPathNewString(const xmlChar *);
extern xmlNodeSetPtr xmlXPathDistinctSorted(xmlNodeSetPtr);
extern int xmlXPathNotEqualValues(xmlXPathParserContextPtr);
extern   xmlNodePtr   xmlXPathNextChild(xmlXPathParserContextPtr,
xmlNodePtr);
extern void xmlXPathRegisterVariableLookup(xmlXPathContextPtr,

xmlXPathVariableLookupFunc,
                                                 void *);
extern xmlChar *xmlXPathParseNCName(xmlXPathParserContextPtr);
extern xmlChar *xmlXPathParseName(xmlXPathParserContextPtr);
extern xmlNodePtr xmlXPathNextNamespace(xmlXPathParserContextPtr,
                                                xmlNodePtr);
extern       xmlNodeSetPtr       xmlXPathDifference(xmlNodeSetPtr,
xmlNodeSetPtr);
extern    xmlNodePtr    xmlXPathNextSelf(xmlXPathParserContextPtr,
xmlNodePtr);
extern void xmlXPathRegisteredNsCleanup(xmlXPathContextPtr);
extern xmlXPathObjectPtr xmlXPathNewValueTree(xmlNodePtr);
extern                                                          void
xmlXPathSubstringBeforeFunction(xmlXPathParserContextPtr, int);
extern void xmlXPathTrueFunction(xmlXPathParserContextPtr, int);
extern void xmlXPathFalseFunction(xmlXPathParserContextPtr, int);
extern void xmlXPathCountFunction(xmlXPathParserContextPtr, int);
extern void xmlXPathErr(xmlXPathParserContextPtr, int);
extern      xmlNodeSetPtr      xmlXPathIntersection(xmlNodeSetPtr,
xmlNodeSetPtr);
extern  void  xmlXPathDebugDumpObject(FILE  *,  xmlXPathObjectPtr,
int);
extern                                                xmlXPathObjectPtr
xmlXPathVariableLookupNS(xmlXPathContextPtr,
                                                       const    xmlChar
*,
                                                       const    xmlChar
*);
extern int xmlXPathRegisterFunc(xmlXPathContextPtr, const xmlChar
*,
                                 xmlXPathFunction);
extern void xmlXPathValueFlipSign(xmlXPathParserContextPtr);
extern                                                     xmlNodePtr
xmlXPathNextFollowingSibling(xmlXPathParserContextPtr,
                                                       xmlNodePtr);
extern   xmlNodeSetPtr   xmlXPathNodeTrailingSorted(xmlNodeSetPtr,
xmlNodePtr);
extern                                                          void
xmlXPathRegisteredVariablesCleanup(xmlXPathContextPtr);
extern double xmlXPathPopNumber(xmlXPathParserContextPtr);
extern   void   xmlXPathSubstringFunction(xmlXPathParserContextPtr,
int);
extern int xmlXPathEqualValues(xmlXPathParserContextPtr);
extern                                                          void
xmlXPathNamespaceURIFunction(xmlXPathParserContextPtr, int);
extern     xmlNodeSetPtr     xmlXPathTrailingSorted(xmlNodeSetPtr,
xmlNodeSetPtr);
```

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```
extern int xmlXPathHasSameNodes(xmlNodeSetPtr, xmlNodeSetPtr);
extern xmlXPathObjectPtr xmlXPathWrapCString(char *);
extern xmlChar *xmlXPathPopString(xmlXPathParserContextPtr);
extern  int  xmlXPathCompareValues(xmlXPathParserContextPtr,  int,
int);
extern   int   xmlXPathRegisterFuncNS(xmlXPathContextPtr,   const
xmlChar *,
                                const         xmlChar         *,
xmlXPathFunction);
extern    void    xmlXPathNumberFunction(xmlXPathParserContextPtr,
int);
extern void *xmlXPathPopExternal(xmlXPathParserContextPtr);
extern                                          xmlXPathFunction
xmlXPathFunctionLookupNS(xmlXPathContextPtr,
                                                const xmlChar *,
                                                const     xmlChar
*);
extern    void    xmlXPathConcatFunction(xmlXPathParserContextPtr,
int);
extern int xmlXPathNodeSetContains(xmlNodeSetPtr, xmlNodePtr);
extern                                          xmlXPathFunction
xmlXPathFunctionLookup(xmlXPathContextPtr,
                                              const xmlChar *);
extern xmlXPathObjectPtr xmlXPathWrapString(xmlChar *);
extern void xmlXPatherror(xmlXPathParserContextPtr, const char *,
int,
                         int);
extern void xmlXPathMultValues(xmlXPathParserContextPtr);
extern  int  xmlXPathRegisterNs(xmlXPathContextPtr,  const  xmlChar
*,
                             const xmlChar *);
```

14.2.39 libxml2/libxml/xpointer.h

```
typedef struct _xmlLocationSet {
    int locNr;
    int locMax;
    xmlXPathObjectPtr *locTab;
} xmlLocationSet;
typedef xmlLocationSet *xmlLocationSetPtr;
extern                                          xmlLocationSetPtr
xmlXPtrLocationSetCreate(xmlXPathObjectPtr);
extern    xmlXPathObjectPtr    xmlXPtrNewRange(xmlNodePtr,    int,
xmlNodePtr, int);
extern xmlXPathObjectPtr xmlXPtrNewRangeNodeObject(xmlNodePtr,

xmlXPathObjectPtr);
extern    xmlXPathObjectPtr    xmlXPtrEval(const    xmlChar    *,
xmlXPathContextPtr);
extern void xmlXPtrEvalRangePredicate(xmlXPathParserContextPtr);
extern       xmlXPathContextPtr       xmlXPtrNewContext(xmlDocPtr,
xmlNodePtr,
                                            xmlNodePtr);
extern xmlXPathObjectPtr xmlXPtrNewRangePoints(xmlXPathObjectPtr,

xmlXPathObjectPtr);
extern    void    xmlXPtrRangeToFunction(xmlXPathParserContextPtr,
int);
extern xmlXPathObjectPtr xmlXPtrNewRangeNodePoint(xmlNodePtr,

xmlXPathObjectPtr);
extern                                          xmlLocationSetPtr
xmlXPtrLocationSetMerge(xmlLocationSetPtr,

xmlLocationSetPtr);
```

```
extern     xmlXPathObjectPtr     xmlXPtrNewRangeNodes(xmlNodePtr,
xmlNodePtr);
extern xmlNodePtr xmlXPtrBuildNodeList(xmlXPathObjectPtr);
extern                                          xmlXPathObjectPtr
xmlXPtrWrapLocationSet(xmlLocationSetPtr);
extern xmlXPathObjectPtr xmlXPtrNewLocationSetNodes(xmlNodePtr,
                                                     xmlNodePtr);
extern                                          xmlXPathObjectPtr
xmlXPtrNewLocationSetNodeSet(xmlNodeSetPtr);
extern        void        xmlXPtrLocationSetDel(xmlLocationSetPtr,
xmlXPathObjectPtr);
extern void xmlXPtrLocationSetRemove(xmlLocationSetPtr, int);
extern xmlXPathObjectPtr xmlXPtrNewCollapsedRange(xmlNodePtr);
extern                                          xmlXPathObjectPtr
xmlXPtrNewRangePointNode(xmlXPathObjectPtr,
                                                      xmlNodePtr);
extern        void        xmlXPtrLocationSetAdd(xmlLocationSetPtr,
xmlXPathObjectPtr);
extern void xmlXPtrFreeLocationSet(xmlLocationSetPtr);
```

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X Package Information

15 Package Dependencies

15.1 Package Dependencies

The LSB runtime environment shall provide the following dependencies.

lsb

This dependency is used to indicate that the application is dependent on features contained in the LSB 3.1 specification.

This dependency shall have a version of 3.1.

lsb-graphics-*arch* (legacy)

This dependency is used to indicate that the application is dependent on features contained in the LSB-Graphics module. This architecture specific dependency is described in the relevant architecture specific LSB-Desktop specification.

lsb-graphics-noarch (legacy)

This dependency is used to indicate that the application is dependent on features contained in the LSB-Graphics module and that the package does not contain any architecture specific files.

These dependencies shall have a version of 3.0.

The lsb-graphics dependencies are deprecated and will be removed in a future version of this specification. Applications should no longer indicate a dependency on them.

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