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# Linux Standard Base (LSB) —

## Part 2-3: Desktop specification for X86-32 architecture

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This document was prepared by the Linux Foundation as Linux Standard Base (LSB): Desktop specification for X86-32 architecture and drafted in accordance with its editorial rules. It was assigned to Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 22, *Programming languages, their environments and system software interfaces*, and adopted by National Bodies.

This first edition of ISO/IEC 23360-2-3 cancels and replaces ISO/IEC 23360-2:2006, which has been technically revised.

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# Introduction

The LSB defines a binary interface for application programs that are compiled and packaged for LSB-conforming implementations on many different hardware architectures. A binary specification must include information specific to the computer processor architecture for which it is intended. To avoid the complexity of conditional descriptions, the specification has instead been divided into generic parts which are augmented by one of several architecture-specific parts, depending on the target processor architecture; the generic part will indicate when reference must be made to the architecture part, and vice versa.

This document should be used in conjunction with the documents it references. This document enumerates the system components it includes, but descriptions of those components may be included entirely or partly in this document, partly in other documents, or entirely in other reference documents. For example, the section that describes system service routines includes a list of the system routines supported in this interface, formal declarations of the data structures they use that are visible to applications, and a pointer to the underlying referenced specification for information about the syntax and semantics of each call. Only those routines not described in standards referenced by this document, or extensions to those standards, are described in the detail. Information referenced in this way is as much a part of this document as is the information explicitly included here.

The specification carries a version number of either the form `x.y` or `x.y.z`. This version number carries the following meaning:

1. The first number (`x`) is the major version number. Versions sharing the same major version number shall be compatible in a backwards direction; that is, a newer version shall be compatible with an older version. Any deletion of a library results in a new major version number. Interfaces marked as deprecated may be removed from the specification at a major version change.
2. The second number (`y`) is the minor version number. Libraries and individual interfaces may be added, but not removed. Interfaces may be marked as deprecated at a minor version change. Other minor changes may be permitted at the discretion of the LSB workgroup.
3. The third number (`z`), if present, is the editorial level. Only editorial changes should be included in such versions.

Since this specification is a descriptive Application Binary Interface, and not a source level API specification, it is not possible to make a guarantee of 100% backward compatibility between major releases. However, it is the intent that those parts of the binary interface that are visible in the source level API will remain backward compatible from version to version, except where a feature marked as "Deprecated" in one release may be removed from a future release. Implementors are strongly encouraged to make use of symbol versioning to permit simultaneous support of applications conforming to different releases of this specification.

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# I Introductory Elements

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# 1 Scope

The Linux Standard Base (LSB) defines a system interface for compiled applications and a minimal environment for support of installation scripts. Its purpose is to enable a uniform industry standard environment for high-volume applications conforming to the LSB.

These specifications are composed of two basic parts: a common part describing those parts of the interface that remain constant across all implementations of the LSB, and an architecture-specific part describing the parts of the interface that vary by processor architecture. Together, the common part and the relevant architecture-specific part for a single hardware architecture provide a complete interface specification for compiled application programs on systems that share a common hardware architecture.

The LSB contains both a set of Application Program Interfaces (APIs) and Application Binary Interfaces (ABIs). APIs may appear in the source code of portable applications, while the compiled binary of that application may use the larger set of ABIs. A conforming implementation provides all of the ABIs listed here. The compilation system may replace (e.g. by macro definition) certain APIs with calls to one or more of the underlying binary interfaces, and may insert calls to binary interfaces as needed.

The LSB is primarily a binary interface definition. Not all of the source level APIs available to applications may be contained in this specification.

This is the X86 architecture specific part of the Desktop module of the Linux Standard Base (LSB). This part supplements the common part of the LSB Desktop module with those interfaces that differ between architectures.

This part should be used in conjunction with the common part of LSB Desktop. Whenever a section of the common part is supplemented by architecture-specific information, the common part includes a reference to the architecture-specific part. This part may also contain additional information that is not referenced in the common part.

Interfaces described in this part of LSB Desktop are mandatory except where explicitly listed otherwise. Interfaces described in the LSB Desktop module supplement those described in the LSB Core module. They do not depend on other LSB modules.

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# 2 References

## 2.1 Normative References

The specifications listed below are referenced in whole or in part by the LSB Desktop specification. 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 specification 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 2.2.0 Reference Manual | ATK 2.2.0 Reference Manual | http://developer.gnome.org/atk/2.2/index.html |
| Double Buffer Extension Library | Double Buffer Extension Library - Protocol Version 1.0 | http://refspecs.linux-foundation.org/X11/dbelib.pdf |
| Fontconfig Developers Reference | Fontconfig Developers Reference, Version 2.6.0 | http://refspecs.linuxfoundation.org/fontconfig-2.6.0 |
| Gdk 2.10.14 Reference Manual | Gdk 2.10.14 Reference Manual | http://library.gnome.org/devel/gdk/2.10/ |
| Gdk-pixbuf 2.26.0 Reference Manual | Gdk-pixbuf 2.26.0 Reference Manual | http://developer.gnome.org/gdk-pixbuf/2.26 |
| Gio 2.32 Reference Manual | Gio 2.32 Reference Manual | http://developer.gnome.org/gio/2.32 |
| Glib 2.32 Reference Manual | Glib 2.32 Reference Manual | http://developer.gnome.org/glib/2.32 |
| Gobject 2.32 Reference Manual | Gobject 2.32 Reference Manual | http://developer.gnome.org/gobject/2.32 |
| Gtk+ 2.10.14 Reference Manual | Gtk+ 2.10.14 Reference Manual | http://library.gnome.org/devel/gtk/2.10/ |
| ISO C (1999) | ISO/IEC 9899:1999 - Programming Languages -- C | |
| ISO/IEC 14882: 2003 C++ Language | ISO/IEC 14882: 2003 Programming languages --C++ | |
| Itanium™ C++ ABI | Itanium™ C++ ABI (Revision 1.86) | http://refspecs.linuxfoundation.org/cxxabi-1.86.html |
| Libtiff 4.0.2 Reference Manual | Libtiff 4.0.2 Reference Manual | http://www.libtiff.org/man/index.html |

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| Name | Title | URL |
|---|---|---|
| Libxcb API | Libxcb API | http://xcb.freedesktop.org/XcbApi/ |
| OpenGL 2.1 | The OpenGL® Graphics System: A Specification (Version 2.1) | http://www.opengl.org/registry/doc/glspec21.20061201.pdf |
| OpenGL ABI | OpenGL® Application Binary Interface for Linux | http://www.opengl.org/registry/ABI/ |
| OpenGL Extensions | OpenGL® Graphics with the X Window System® (Version 1.3) | http://opengl.org/documentation/specs/glx/glx1.3.pdf |
| OpenGL Utilities | The OpenGL Graphics System Utility Library (Version 1.3) | http://www.opengl.org/documentation/specs/glu/glu1_3.pdf |
| Pango 1.30.1 Reference Manual | Pango 1.30.1 Reference Manual | http://developer.gnome.org/pango/1.30/index.html |
| POSIX 1003.1-2008 (ISO/IEC 9945-2009) | Portable Operating System Interface (POSIX®) 2008 Edition / The Open Group Technical Standard Base Specifications, Issue 7 | http://www.unix.org/version4/ |
| QtCore 4.2.0 | Qt 4.2.0 Reference Manual | http://doc.qt.digia.com/4.2/qtcore.html |
| QtGui 4.2.0 | Qt 4.2.0 Reference Manual | http://doc.qt.digia.com/4.2/qtgui.html |
| QtNetwork 4.2.0 | Qt 4.2.0 Reference Manual | http://doc.qt.digia.com/4.2/qtnetwork.html |
| QtOpenGL 4.2.0 | Qt 4.2.0 Reference Manual | http://doc.qt.digia.com/4.2/qtopengl.html |
| QtSql 4.2.0 | Qt 4.2.0 Reference Manual | http://doc.qt.digia.com/4.2/qtsql.html |
| QtSvg 4.2.0 | Qt 4.2.0 Reference Manual | http://doc.qt.digia.com/4.2/qtsvg.html |
| QtXml 4.2.0 | Qt 4.2.0 Reference Manual | http://doc.qt.digia.com/4.2/qtxml.html |
| The MIT Shared Memory Extension | MIT-SHM - The MIT Shared Memory Extension - X version 11, Release 5 | http://refspecs.linux-foundation.org/X11/mit-shm.pdf |

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| Name | Title | URL |
|---|---|---|
| X Display Power Management Signaling | X Display Power Management Signaling (DPMS) Extension - Library Specificationi - Version 1.0 | http://refspecs.linux-foundation.org/X11/DPMSlib.pdf |
| X Extended Visual Interface Extension | Extended Visual Information Extension - Version 1.0 | http://refspecs.linux-foundation.org/X11/evi.pdf |
| X Nonrectangular Window Shape Extension Library | X Nonrectangular Window Shape Extension Library - Version 1.0 | http://refspecs.linux-foundation.org/X11/shapelib.pdf |
| X Record Extension Library | X Record Extension Library - Version 1.13 | http://refspecs.linux-foundation.org/X11/recordlib.pdf |
| X Security Extension Specification | Security Extension Specification - Version 7.1 | http://refspecs.linux-foundation.org/X11/security.pdf |
| X Synchronization Extension Library | X Synchronization Extension Library - Version 3.0 | http://refspecs.linux-foundation.org/X11/synclib.pdf |
| X11 C Library | Xlib - C Language X Interface - X Version 11 Release 6.4 | http://refspecs.linux-foundation.org/X11/xlib.pdf |
| X11 Input Library | X Input Device Extension Library - X Version 11, Release 6.4 | http://refspecs.linux-foundation.org/X11/Xinput.pdf |
| X11 Inter-Client Exchange | Inter-Client Exchange Library - Version 1.0 | http://refspecs.linux-foundation.org/X11/ICElib.pdf |
| X11 Keyboard Extension | X Keyboard Extension Library Specification - X Version 11, Release 6.4 | http://refspecs.linux-foundation.org/X11/XKBlib.pdf |
| X11 Session Management | X Session Management Library - Version 1.0 | http://refspecs.linux-foundation.org/X11/SMlib.pdf |
| X11 Toolkit Intrinsics | X Toolkit Intrinsics - C Language Interface - X Version 11, Release 6.4 | http://refspecs.linux-foundation.org/X11/intrinsics.pdf |
| Xft Placeholder | Xft Specification Placeholder | |
| Xrender Placeholder | Xrender Specification Placeholder | http://refspecs.linux-foundation.org/X11/XRenderProtocol.html |

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| Name | Title | URL |
|---|---|---|
| XTEST Extension Library | XTEST Extension Library - Version 2.2 | http://refspecs.linux-foundation.org/X11/xtestlib.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 |
| ALSA Library API Reference | ALSA Library API Reference | http://www.alsa-project.org/alsa-doc/alsa-lib/ |
| Base Directory Spec | XDG Base Directory Specification Version 0.6 | http://standards.freedesktop.org/basedir-spec/basedir-spec-0.6.html |
| Cairo API Reference | Cairo Vector Graphics API Specification for 1.12.4 | http://cairographics.org/manual-1.12.4 |
| Desktop Entry Spec | Desktop Entry Specification Version 1.0 | http://standards.freedesktop.org/desktop-entry-spec/desktop-entry-spec-1.0.html |
| Desktop Menu Spec | Desktop Menu Specification Version 1.0 | http://standards.freedesktop.org/menu-spec/menu-spec-1.0.html |
| FreeType 2.2 Reference | FreeType 2.2.1 API Reference | http://refspecs.linuxfoundation.org/freetype/freetype-doc-2.2.1/docs/reference/ft2-toc.html |
| Icon Theme Spec | Icon Theme Specification Version 0.11 | http://standards.freedesktop.org/icon-theme-spec/icon-theme-spec-0.11.html |
| Independent JPEG Group | Independent JPEG Group | http://www.ijg.org/ |
| xdg-utils reference | Portland Project XDG Utilities Reference 1.0 | http://portland.freedesktop.org/xdg-utils-1.0/ |

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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 |
|---|---|
| libQtCore | libQtCore.so.4 |
| libQtGui | libQtGui.so.4 |
| libQtNetwork | libQtNetwork.so.4 |
| libQtOpenGL | libQtOpenGL.so.4 |
| libQtSql | libQtSql.so.4 |
| libQtSvg | libQtSvg.so.4 |
| libQtXml | libQtXml.so.4 |
| libatk-1.0 | libatk-1.0.so.0 |
| libgdk-x11-2.0 | libgdk-x11-2.0.so.0 |
| libgdk_pixbuf-2.0 | libgdk_pixbuf-2.0.so.0 |
| libgdk_pixbuf_xlib-2.0 | libgdk_pixbuf_xlib-2.0.so.0 |
| libgio-2.0 | libgio-2.0.so.0 |
| libglib-2.0 | libglib-2.0.so.0 |
| libgmodule-2.0 | libgmodule-2.0.so.0 |
| libgobject-2.0 | libgobject-2.0.so.0 |
| libgthread-2.0 | libgthread-2.0.so.0 |
| libgtk-x11-2.0 | libgtk-x11-2.0.so.0 |
| libpango-1.0 | libpango-1.0.so.0 |
| libpangocairo-1.0 | libpangocairo-1.0.so.0 |
| libpangoft2-1.0 | libpangoft2-1.0.so.0 |
| libpangoxft-1.0 | libpangoxft-1.0.so.0 |

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

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# 4 Terms and Definitions

For the purposes of this document, the terms and definitions given in ISO/IEC 2382, ISO 80000–2, and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

## 4.1

**archLSB**

Some LSB specification documents have both a generic, architecture-neutral part and an architecture-specific part. The latter describes elements whose definitions may be unique to a particular processor architecture. The term archLSB may be used in the generic part to refer to the corresponding section of the architecture-specific part.

## 4.2

**Binary Standard, ABI**

The total set of interfaces that are available to be used in the compiled binary code of a conforming application, including the run-time details such as calling conventions, binary format, C++ name mangling, etc.

## 4.3

**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.

## 4.4

**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.

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### 4.5

**Source Standard, API**

The total set of interfaces that are available to be used in the source code of a conforming application. Due to translations, the Binary Standard and the Source Standard may contain some different interfaces.

### 4.6

**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.

### 4.7

**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.

In addition, for the portions of this specification which build on IEEE Std 1003.1-2001, the definitions given in *IEEE Std 1003.1-2001, Base Definitions, Chapter 3* apply.

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# 5 Documentation Conventions

Throughout this document, the following typographic conventions are used:

`function()`

the name of a function

**command**

the name of a command or utility

`CONSTANT`

a constant value

*`parameter`*

a parameter

`variable`

a variable

Throughout this specification, several tables of interfaces are presented. Each entry in these tables has the following format:

name

the name of the interface

(symver)

An optional symbol version identifier, if required.

[*`refno`*]

A reference number indexing the table of referenced specifications that follows this table.

For example,

| forkpty(GLIBC_2.0) [SUSv4] |
|---|

refers to the interface named `forkpty()` with symbol version `GLIBC_2.0` that is defined in the reference indicated by the tag `SUSv4`.

> **Note:** For symbols with versions which differ between architectures, the symbol versions are defined in the architecture specific parts of of this module specification only. In the generic part, they will appear without symbol versions.

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# II GTK+ Stack Libraries

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# 6 Libraries

## 6.1 Introduction

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

GLib

A general-purpose utility library, not specific to graphical user interfaces. Glib is implemented as several libraries, providing a type system, a signal system, data conversion routines, string utilities, a filesystem abstraction and file utility routines, threading support and a main loop abstraction.

libglib-2.0

libgmodule-2.0

libgobject-2.0

libgthread-2.0

libgio-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 laying out and rendering text. 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

libpangocairo-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.

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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.

## 6.2 Interfaces for libglib-2.0

Table 6-1 defines the library name and shared object name for the libglib-2.0 library

**Table 6-1 libglib-2.0 Definition**

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

### 6.2.1 GTK General purpose utility library

#### 6.2.1.1 Interfaces for GTK General purpose utility library

No external functions are defined for libglib-2.0 - GTK General purpose utility library in this part of the specification. See also the generic specification.

### 6.2.2 Glib Arrays

#### 6.2.2.1 Interfaces for Glib Arrays

No external functions are defined for libglib-2.0 - Glib Arrays in this part of the specification. See also the generic specification.

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### 6.2.3 Glib Asynchronous Queues

#### 6.2.3.1 Interfaces for Glib Asynchronous Queues

No external functions are defined for libglib-2.0 - Glib Asynchronous Queues in this part of the specification. See also the generic specification.

### 6.2.4 Glib Atomic Operations

#### 6.2.4.1 Interfaces for Glib Atomic Operations

No external functions are defined for libglib-2.0 - Glib Atomic Operations in this part of the specification. See also the generic specification.

### 6.2.5 Glib Automatic String Completion

#### 6.2.5.1 Interfaces for Glib Automatic String Completion

No external functions are defined for libglib-2.0 - Glib Automatic String Completion in this part of the specification. See also the generic specification.

### 6.2.6 Glib Balanced Binary Trees

#### 6.2.6.1 Interfaces for Glib Balanced Binary Trees

No external functions are defined for libglib-2.0 - Glib Balanced Binary Trees in this part of the specification. See also the generic specification.

### 6.2.7 Glib Byte Arrays

#### 6.2.7.1 Interfaces for Glib Byte Arrays

No external functions are defined for libglib-2.0 - Glib Byte Arrays in this part of the specification. See also the generic specification.

### 6.2.8 Glib Caches

#### 6.2.8.1 Interfaces for Glib Caches

No external functions are defined for libglib-2.0 - Glib Caches in this part of the specification. See also the generic specification.

### 6.2.9 Glib Character Set Conversion

#### 6.2.9.1 Interfaces for Glib Character Set Conversion

No external functions are defined for libglib-2.0 - Glib Character Set Conversion in this part of the specification. See also the generic specification.

### 6.2.10 Glib Commandline Option Parser

#### 6.2.10.1 Interfaces for Glib Commandline Option Parser

No external functions are defined for libglib-2.0 - Glib Commandline Option Parser in this part of the specification. See also the generic specification.

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## 6.2.11 Glib Datasets

### 6.2.11.1 Interfaces for Glib Datasets

No external functions are defined for libglib-2.0 - Glib Datasets in this part of the specification. See also the generic specification.

## 6.2.12 Glib Date and Time Functions

### 6.2.12.1 Interfaces for Glib Date and Time Functions

No external functions are defined for libglib-2.0 - Glib Date and Time Functions in this part of the specification. See also the generic specification.

## 6.2.13 Glib Double-Ended Queues

### 6.2.13.1 Interfaces for Glib Double-Ended Queues

No external functions are defined for libglib-2.0 - Glib Double-Ended Queues in this part of the specification. See also the generic specification.

## 6.2.14 Glib Doubly-Linked Lists

### 6.2.14.1 Interfaces for Glib Doubly-Linked Lists

No external functions are defined for libglib-2.0 - Glib Doubly-Linked Lists in this part of the specification. See also the generic specification.

## 6.2.15 Glib Error Reporting

### 6.2.15.1 Interfaces for Glib Error Reporting

No external functions are defined for libglib-2.0 - Glib Error Reporting in this part of the specification. See also the generic specification.

## 6.2.16 Glib File Utilities

### 6.2.16.1 Interfaces for Glib File Utilities

No external functions are defined for libglib-2.0 - Glib File Utilities in this part of the specification. See also the generic specification.

## 6.2.17 Glib Glob-Style Pattern Matching

### 6.2.17.1 Interfaces for Glib Glob-Style Pattern Matching

No external functions are defined for libglib-2.0 - Glib Glob-Style Pattern Matching in this part of the specification. See also the generic specification.

## 6.2.18 Glib Hash Tables

### 6.2.18.1 Interfaces for Glib Hash Tables

No external functions are defined for libglib-2.0 - Glib Hash Tables in this part of the specification. See also the generic specification.

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## 6.2.19 Glib Hook Functions

### 6.2.19.1 Interfaces for Glib Hook Functions

No external functions are defined for libglib-2.0 - Glib Hook Functions in this part of the specification. See also the generic specification.

## 6.2.20 Glib IO Channels

### 6.2.20.1 Interfaces for Glib IO Channels

No external functions are defined for libglib-2.0 - Glib IO Channels in this part of the specification. See also the generic specification.

## 6.2.21 Glib Internationalization

### 6.2.21.1 Interfaces for Glib Internationalization

No external functions are defined for libglib-2.0 - Glib Internationalization in this part of the specification. See also the generic specification.

## 6.2.22 Glib Key-Value File Parser

### 6.2.22.1 Interfaces for Glib Key-Value File Parser

No external functions are defined for libglib-2.0 - Glib Key-Value File Parser in this part of the specification. See also the generic specification.

## 6.2.23 Glib Keyed Data Lists

### 6.2.23.1 Interfaces for Glib Keyed Data Lists

No external functions are defined for libglib-2.0 - Glib Keyed Data Lists in this part of the specification. See also the generic specification.

## 6.2.24 Glib Lexical Scanner

### 6.2.24.1 Interfaces for Glib Lexical Scanner

No external functions are defined for libglib-2.0 - Glib Lexical Scanner in this part of the specification. See also the generic specification.

## 6.2.25 Glib Memory Allocation

### 6.2.25.1 Interfaces for Glib Memory Allocation

No external functions are defined for libglib-2.0 - Glib Memory Allocation in this part of the specification. See also the generic specification.

## 6.2.26 Glib Memory Allocators

### 6.2.26.1 Interfaces for Glib Memory Allocators

No external functions are defined for libglib-2.0 - Glib Memory Allocators in this part of the specification. See also the generic specification.

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## 6.2.27 Glib Memory Chunks

### 6.2.27.1 Interfaces for Glib Memory Chunks

No external functions are defined for libglib-2.0 - Glib Memory Chunks in this part of the specification. See also the generic specification.

## 6.2.28 Glib Message Logging

### 6.2.28.1 Interfaces for Glib Message Logging

No external functions are defined for libglib-2.0 - Glib Message Logging in this part of the specification. See also the generic specification.

## 6.2.29 Glib Message Output and Debugging Functions

### 6.2.29.1 Interfaces for Glib Message Output and Debugging Functions

No external functions are defined for libglib-2.0 - Glib Message Output and Debugging Functions in this part of the specification. See also the generic specification.

## 6.2.30 Glib Miscellaneous Utility Functions

### 6.2.30.1 Interfaces for Glib Miscellaneous Utility Functions

No external functions are defined for libglib-2.0 - Glib Miscellaneous Utility Functions in this part of the specification. See also the generic specification.

## 6.2.31 Glib N-ary Trees

### 6.2.31.1 Interfaces for Glib N-ary Trees

No external functions are defined for libglib-2.0 - Glib N-ary Trees in this part of the specification. See also the generic specification.

## 6.2.32 Glib Pointer Arrays

### 6.2.32.1 Interfaces for Glib Pointer Arrays

No external functions are defined for libglib-2.0 - Glib Pointer Arrays in this part of the specification. See also the generic specification.

## 6.2.33 Glib Quarks

### 6.2.33.1 Interfaces for Glib Quarks

No external functions are defined for libglib-2.0 - Glib Quarks in this part of the specification. See also the generic specification.

## 6.2.34 Glib Random Numbers

### 6.2.34.1 Interfaces for Glib Random Numbers

No external functions are defined for libglib-2.0 - Glib Random Numbers in this part of the specification. See also the generic specification.

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## 6.2.35 Glib Relations and Tuples

### 6.2.35.1 Interfaces for Glib Relations and Tuples

No external functions are defined for libglib-2.0 - Glib Relations and Tuples in this part of the specification. See also the generic specification.

## 6.2.36 Glib Shell-related Utilities

### 6.2.36.1 Interfaces for Glib Shell-related Utilities

No external functions are defined for libglib-2.0 - Glib Shell-related Utilities in this part of the specification. See also the generic specification.

## 6.2.37 Glib Simple XML Subset Parser

### 6.2.37.1 Interfaces for Glib Simple XML Subset Parser

No external functions are defined for libglib-2.0 - Glib Simple XML Subset Parser in this part of the specification. See also the generic specification.

## 6.2.38 Glib Singly-Linked Lists

### 6.2.38.1 Interfaces for Glib Singly-Linked Lists

No external functions are defined for libglib-2.0 - Glib Singly-Linked Lists in this part of the specification. See also the generic specification.

## 6.2.39 Glib Spawning Processes

### 6.2.39.1 Interfaces for Glib Spawning Processes

No external functions are defined for libglib-2.0 - Glib Spawning Processes in this part of the specification. See also the generic specification.

## 6.2.40 Glib String Chunks

### 6.2.40.1 Interfaces for Glib String Chunks

No external functions are defined for libglib-2.0 - Glib String Chunks in this part of the specification. See also the generic specification.

## 6.2.41 Glib String Utility Functions

### 6.2.41.1 Interfaces for Glib String Utility Functions

No external functions are defined for libglib-2.0 - Glib String Utility Functions in this part of the specification. See also the generic specification.

## 6.2.42 Glib Strings

### 6.2.42.1 Interfaces for Glib Strings

No external functions are defined for libglib-2.0 - Glib Strings in this part of the specification. See also the generic specification.

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## 6.2.43 Glib - The Main Event Loop

### 6.2.43.1 Interfaces for Glib - The Main Event Loop

No external functions are defined for libglib-2.0 - Glib - The Main Event Loop in this part of the specification. See also the generic specification.

## 6.2.44 Glib Thread Pools

### 6.2.44.1 Interfaces for Glib Thread Pools

No external functions are defined for libglib-2.0 - Glib Thread Pools in this part of the specification. See also the generic specification.

## 6.2.45 Glib Threads

### 6.2.45.1 Interfaces for Glib Threads

No external functions are defined for libglib-2.0 - Glib Threads in this part of the specification. See also the generic specification.

## 6.2.46 Glib Timers

### 6.2.46.1 Interfaces for Glib Timers

No external functions are defined for libglib-2.0 - Glib Timers in this part of the specification. See also the generic specification.

## 6.2.47 Glib Trash Stacks

### 6.2.47.1 Interfaces for Glib Trash Stacks

No external functions are defined for libglib-2.0 - Glib Trash Stacks in this part of the specification. See also the generic specification.

## 6.2.48 Glib Unicode Manipulation

### 6.2.48.1 Interfaces for Glib Unicode Manipulation

No external functions are defined for libglib-2.0 - Glib Unicode Manipulation in this part of the specification. See also the generic specification.

## 6.2.49 Glib Version Information

### 6.2.49.1 Interfaces for Glib Version Information

No external functions are defined for libglib-2.0 - Glib Version Information in this part of the specification. See also the generic specification.

## 6.2.50 Glib Bookmark File Parser

### 6.2.50.1 Interfaces for Glib Bookmark File Parser

No external functions are defined for libglib-2.0 - Glib Bookmark File Parser in this part of the specification. See also the generic specification.

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### 6.2.51 Glib Memory Slices

#### 6.2.51.1 Interfaces for Glib Memory Slices

No external functions are defined for libglib-2.0 - Glib Memory Slices in this part of the specification. See also the generic specification.

### 6.2.52 Glib Base64 Encoding

#### 6.2.52.1 Interfaces for Glib Base64 Encoding

No external functions are defined for libglib-2.0 - Glib Base64 Encoding in this part of the specification. See also the generic specification.

## 6.3 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.

### 6.3.1 glib-2.0/glib.h

```
#define G_GSIZE_MODIFIER       ""
#define GPOINTER_TO_INT(p)     ((gint) (p))
#define GLONG_TO_BE(val)       ((glong) GINT32_TO_BE (val))
#define GLONG_TO_LE(val)       ((glong) GINT32_TO_LE (val))
#define GINT_TO_POINTER(i)     ((gpointer) (i))
#define GUINT_TO_POINTER(u)    ((gpointer) (u))
#define GPOINTER_TO_UINT(p)    ((guint) (p))
#define GULONG_TO_BE(val)      ((gulong) GUINT32_TO_BE (val))
#define GULONG_TO_LE(val)      ((gulong) GUINT32_TO_LE (val))
#define G_GINT64_CONSTANT(val)  (G_GNUC_EXTENSION (val ##LL))
#define GLIB_LSB_PADDING_SIZE   24
#define GLIB_LSB_DATA_SIZE     4
#define GLIB_SIZEOF_LONG       4
#define GLIB_SIZEOF_SIZE_T     4
#define GLIB_SIZEOF_VOID_P     4
#define G_BYTE_ORDER    G_LITTLE_ENDIAN
#define G_MAXSIZE      G_MAXUINT
#define G_BREAKPOINT()   G_STMT_START{ __asm__ __volatile__ ("int
$03"); }G_STMT_END
#define G_GSSIZE_FORMAT "i"
#define G_GINT64_MODIFIER      "ll"
#define G_GINT64_FORMAT "lli"
#define G_GUINT64_FORMAT       "llu"
#define G_GSIZE_FORMAT  "u"

typedef int gssize;
```

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```
typedef long long int gint64;
typedef long long unsigned int guint64;

typedef unsigned int gsize;
```

### 6.3.2 glib-2.0/glib/gi18n.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.3.3 glib-2.0/glib/gstdio.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 6.4 Interfaces for libgmodule-2.0

Table 6-2 defines the library name and shared object name for the libgmodule-2.0 library

**Table 6-2 libgmodule-2.0 Definition**

| | |
|---|---|
| Library: | libgmodule-2.0 |
| SONAME: | libgmodule-2.0.so.0 |

### 6.4.1 Glib-Dynamic loading of Modules

#### 6.4.1.1 Interfaces for Glib-Dynamic loading of Modules

No external functions are defined for libgmodule-2.0 - Glib-Dynamic loading of Modules in this part of the specification. See also the generic specification.

## 6.5 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.

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### 6.5.1 glib-2.0/gmodule.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 6.6 Interfaces for libgobject-2.0

Table 6-3 defines the library name and shared object name for the libgobject-2.0 library

**Table 6-3 libgobject-2.0 Definition**

| | |
|---|---|
| Library: | libgobject-2.0 |
| SONAME: | libgobject-2.0.so.0 |

### 6.6.1 Gobject GTypeModule

#### 6.6.1.1 Interfaces for Gobject GTypeModule

No external functions are defined for libgobject-2.0 - Gobject GTypeModule in this part of the specification. See also the generic specification.

### 6.6.2 Gobject Enums and Flags

#### 6.6.2.1 Interfaces for Gobject Enums and Flags

No external functions are defined for libgobject-2.0 - Gobject Enums and Flags in this part of the specification. See also the generic specification.

### 6.6.3 Gobject Signals

#### 6.6.3.1 Interfaces for Gobject Signals

No external functions are defined for libgobject-2.0 - Gobject Signals in this part of the specification. See also the generic specification.

### 6.6.4 Gobject Value arrays

#### 6.6.4.1 Interfaces for Gobject Value arrays

No external functions are defined for libgobject-2.0 - Gobject Value arrays in this part of the specification. See also the generic specification.

### 6.6.5 Gobject Generic Values

#### 6.6.5.1 Interfaces for Gobject Generic Values

No external functions are defined for libgobject-2.0 - Gobject Generic Values in this part of the specification. See also the generic specification.

### 6.6.6 Gobject Parameters and Values

#### 6.6.6.1 Interfaces for Gobject Parameters and Values

No external functions are defined for libgobject-2.0 - Gobject Parameters and Values in this part of the specification. See also the generic specification.

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### 6.6.7 Gobject GParamSpec

#### 6.6.7.1 Interfaces for Gobject GParamSpec

No external functions are defined for libgobject-2.0 - Gobject GParamSpec in this part of the specification. See also the generic specification.

### 6.6.8 Gobject GBoxed

#### 6.6.8.1 Interfaces for Gobject GBoxed

No external functions are defined for libgobject-2.0 - Gobject GBoxed in this part of the specification. See also the generic specification.

### 6.6.9 Gobject Closures

#### 6.6.9.1 Interfaces for Gobject Closures

No external functions are defined for libgobject-2.0 - Gobject Closures in this part of the specification. See also the generic specification.

### 6.6.10 Gobject Gobject

#### 6.6.10.1 Interfaces for Gobject Gobject

No external functions are defined for libgobject-2.0 - Gobject Gobject in this part of the specification. See also the generic specification.

### 6.6.11 Gobject GType

#### 6.6.11.1 Interfaces for Gobject GType

No external functions are defined for libgobject-2.0 - Gobject GType in this part of the specification. See also the generic specification.

### 6.6.12 Gobject GTypePlugin

#### 6.6.12.1 Interfaces for Gobject GTypePlugin

No external functions are defined for libgobject-2.0 - Gobject GTypePlugin in this part of the specification. See also the generic specification.

### 6.6.13 Gobject GBinding

#### 6.6.13.1 Interfaces for Gobject GBinding

No external functions are defined for libgobject-2.0 - Gobject GBinding in this part of the specification. See also the generic specification.

## 6.7 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.

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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.

### 6.7.1 glib-2.0/glib-object.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.7.2 glib-2.0/gobject/gvaluecollector.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 6.8 Interfaces for libgthread-2.0

Table 6-4 defines the library name and shared object name for the libgthread-2.0 library

**Table 6-4 libgthread-2.0 Definition**

| | |
|---|---|
| Library: | libgthread-2.0 |
| SONAME: | libgthread-2.0.so.0 |

### 6.8.1 Glib thread abstraction

#### 6.8.1.1 Interfaces for Glib thread abstraction

No external functions are defined for libgthread-2.0 - Glib thread abstraction in this part of the specification. See also the generic specification.

## 6.9 Interfaces for libgio-2.0

Table 6-5 defines the library name and shared object name for the libgio-2.0 library

**Table 6-5 libgio-2.0 Definition**

| | |
|---|---|
| Library: | libgio-2.0 |
| SONAME: | libgio-2.0.so.0 |

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### 6.9.1 libgio-2.0 interfaces

#### 6.9.1.1 Interfaces for libgio-2.0 interfaces

No external functions are defined for libgio-2.0 - libgio-2.0 interfaces in this part of the specification. See also the generic specification.

## 6.10 Data Definitions for libgio-2.0

This section defines global identifiers and their values that are associated with interfaces contained in libgio-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.

### 6.10.1 gio-unix-2.0/gio/gdesktopappinfo.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.2 gio-unix-2.0/gio/gfiledescriptorbased.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.3 gio-unix-2.0/gio/gunixconnection.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.4 gio-unix-2.0/gio/gunixcredentialsmessage.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.5 gio-unix-2.0/gio/gunixfdlist.h

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```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.6 gio-unix-2.0/gio/gunixfdmessage.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.7 gio-unix-2.0/gio/gunixinputstream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.8 gio-unix-2.0/gio/gunixmounts.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.9 gio-unix-2.0/gio/gunixoutputstream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.10 gio-unix-2.0/gio/gunixsocketaddress.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.11 glib-2.0/gio/gaction.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.12 glib-2.0/gio/gactiongroup.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 6.10.13 glib-2.0/gio/gactionmap.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.14 glib-2.0/gio/gappinfo.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.15 glib-2.0/gio/gapplication.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.16 glib-2.0/gio/gapplicationcommandline.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.17 glib-2.0/gio/gasyncinitable.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.18 glib-2.0/gio/gasyncresult.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.19 glib-2.0/gio/gbufferedinputstream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.20 glib-2.0/gio/gbufferedoutputstream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 6.10.21 glib-2.0/gio/gcancellable.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.22 glib-2.0/gio/gcharsetconverter.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.23 glib-2.0/gio/gconverter.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.24 glib-2.0/gio/gconverterinputstream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.25 glib-2.0/gio/gconverteroutputstream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.26 glib-2.0/gio/gcredentials.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.27 glib-2.0/gio/gdatainputstream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.28 glib-2.0/gio/gdataoutputstream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 6.10.29 glib-2.0/gio/gdbusactiongroup.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.30 glib-2.0/gio/gdbusauthobserver.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.31 glib-2.0/gio/gdbusconnection.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.32 glib-2.0/gio/gdbuserror.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.33 glib-2.0/gio/gdbusinterface.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.34 glib-2.0/gio/gdbusinterfaceskeleton.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.35 glib-2.0/gio/gdbusintrospection.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.36 glib-2.0/gio/gdbusmenumodel.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 6.10.37 glib-2.0/gio/gdbusmessage.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.38 glib-2.0/gio/gdbusmethodinvocation.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.39 glib-2.0/gio/gdbusnameowning.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.40 glib-2.0/gio/gdbusnamewatching.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.41 glib-2.0/gio/gdbusobject.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.42 glib-2.0/gio/gdbusobjectmanager.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.43 glib-2.0/gio/gdbusobjectmanagerclient.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.44 glib-2.0/gio/gdbusobjectmanagerserver.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 6.10.45 glib-2.0/gio/gdbusobjectproxy.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.46 glib-2.0/gio/gdbusobjectskeleton.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.47 glib-2.0/gio/gdbusproxy.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.48 glib-2.0/gio/gdbusserver.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.49 glib-2.0/gio/gdrive.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.50 glib-2.0/gio/gemblem.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.51 glib-2.0/gio/gemblemedicon.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.52 glib-2.0/gio/gfile.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 6.10.53 glib-2.0/gio/gfileattribute.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.54 glib-2.0/gio/gfileenumerator.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.55 glib-2.0/gio/gfileicon.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.56 glib-2.0/gio/gfileinfo.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.57 glib-2.0/gio/gfileinputstream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.58 glib-2.0/gio/gfileiostream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.59 glib-2.0/gio/gfilemonitor.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.60 glib-2.0/gio/gfilenamecompleter.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 6.10.61 glib-2.0/gio/gfileoutputstream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.62 glib-2.0/gio/gfilterinputstream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.63 glib-2.0/gio/gfilteroutputstream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.64 glib-2.0/gio/gicon.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.65 glib-2.0/gio/ginetaddress.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.66 glib-2.0/gio/ginetaddressmask.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.67 glib-2.0/gio/ginetsocketaddress.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.68 glib-2.0/gio/ginitable.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 6.10.69 glib-2.0/gio/ginputstream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.70 glib-2.0/gio/gio.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.71 glib-2.0/gio/gioenums.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.72 glib-2.0/gio/gioenumtypes.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.73 glib-2.0/gio/gioerror.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.74 glib-2.0/gio/giomodule.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.75 glib-2.0/gio/giostream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.76 glib-2.0/gio/giotypes.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 6.10.77 glib-2.0/gio/gloadableicon.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.78 glib-2.0/gio/gmemoryinputstream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.79 glib-2.0/gio/gmemoryoutputstream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.80 glib-2.0/gio/gmenu.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.81 glib-2.0/gio/gmenumodel.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.82 glib-2.0/gio/gmount.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.83 glib-2.0/gio/gmountoperation.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.84 glib-2.0/gio/gnativevolumemonitor.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 6.10.85 glib-2.0/gio/gnetworkaddress.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.86 glib-2.0/gio/gnetworkmonitor.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.87 glib-2.0/gio/gnetworkservice.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.88 glib-2.0/gio/goutputstream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.89 glib-2.0/gio/gpermission.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.90 glib-2.0/gio/gpollableinputstream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.91 glib-2.0/gio/gpollableoutputstream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.92 glib-2.0/gio/gproxy.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 6.10.93 glib-2.0/gio/gproxyaddress.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.94 glib-2.0/gio/gproxyaddressenumerator.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.95 glib-2.0/gio/gproxyresolver.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.96 glib-2.0/gio/gremoteactiongroup.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.97 glib-2.0/gio/gresolver.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.98 glib-2.0/gio/gresource.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.99 glib-2.0/gio/gseekable.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.100 glib-2.0/gio/gsettings.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 6.10.101 glib-2.0/gio/gsettingsbackend.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.102 glib-2.0/gio/gsettingsschema.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.103 glib-2.0/gio/gsimpleaction.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.104 glib-2.0/gio/gsimpleactiongroup.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.105 glib-2.0/gio/gsimpleasyncresult.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.106 glib-2.0/gio/gsimplepermission.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.107 glib-2.0/gio/gsocket.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.108 glib-2.0/gio/gsocketaddress.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 6.10.109 glib-2.0/gio/gsocketaddressenumerator.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.110 glib-2.0/gio/gsocketclient.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.111 glib-2.0/gio/gsocketconnectable.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.112 glib-2.0/gio/gsocketconnection.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.113 glib-2.0/gio/gsocketcontrolmessage.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.114 glib-2.0/gio/gsocketlistener.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.115 glib-2.0/gio/gsocketservice.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.116 glib-2.0/gio/gsrvtarget.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 6.10.117 glib-2.0/gio/gtcpconnection.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.118 glib-2.0/gio/gtcpwrapperconnection.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.119 glib-2.0/gio/gthemedicon.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.120 glib-2.0/gio/gthreadedsocketservice.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.121 glib-2.0/gio/gtlsbackend.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.122 glib-2.0/gio/gtlscertificate.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.123 glib-2.0/gio/gtlsclientconnection.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.124 glib-2.0/gio/gtlsconnection.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 6.10.125 glib-2.0/gio/gtlsdatabase.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.126 glib-2.0/gio/gtlsfiledatabase.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.127 glib-2.0/gio/gtlsinteraction.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.128 glib-2.0/gio/gtlspassword.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.129 glib-2.0/gio/gtlsserverconnection.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.130 glib-2.0/gio/gvfs.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.131 glib-2.0/gio/gvolume.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.132 glib-2.0/gio/gvolumemonitor.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 6.10.133 glib-2.0/gio/gzlibcompressor.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.10.134 glib-2.0/gio/gzlibdecompressor.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 6.11 Interfaces for libatk-1.0

Table 6-6 defines the library name and shared object name for the libatk-1.0 library

**Table 6-6 libatk-1.0 Definition**

| | |
|---|---|
| Library: | libatk-1.0 |
| SONAME: | libatk-1.0.so.0 |

### 6.11.1 GTK Accessibility Toolkit

#### 6.11.1.1 Interfaces for GTK Accessibility Toolkit

No external functions are defined for libatk-1.0 - GTK Accessibility Toolkit in this part of the specification. See also the generic specification.

## 6.12 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.

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 atk-1.0/atk/atk-enum-types.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 6.12.2 atk-1.0/atk/atk.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.12.3 atk-1.0/atk/atkplug.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.12.4 atk-1.0/atk/atksocket.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.12.5 atk-1.0/atk/atkwindow.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 6.13 Interfaces for libpango-1.0

Table 6-7 defines the library name and shared object name for the libpango-1.0 library

**Table 6-7 libpango-1.0 Definition**

| | |
|---|---|
| Library: | libpango-1.0 |
| SONAME: | libpango-1.0.so.0 |

### 6.13.1 GTK Internationalized Text Layout and Rendering library

#### 6.13.1.1 Interfaces for GTK Internationalized Text Layout and Rendering library

No external functions are defined for libpango-1.0 - GTK Internationalized Text Layout and Rendering library in this part of the specification. See also the generic specification.

## 6.14 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.

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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.

### 6.14.1 pango-1.0/pango/pango-bidi-type.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.14.2 pango-1.0/pango/pango-utils.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.14.3 pango-1.0/pango/pango.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 6.15 Interfaces for libpangocairo-1.0

Table 6-8 defines the library name and shared object name for the libpangocairo-1.0 library

**Table 6-8 libpangocairo-1.0 Definition**

| | |
|---|---|
| Library: | libpangocairo-1.0 |
| SONAME: | libpangocairo-1.0.so.0 |

### 6.15.1 Pango Cairo Rendering

#### 6.15.1.1 Interfaces for Pango Cairo Rendering

No external functions are defined for libpangocairo-1.0 - Pango Cairo Rendering in this part of the specification. See also the generic specification.

## 6.16 Data Definitions for libpangocairo-1.0

This section defines global identifiers and their values that are associated with interfaces contained in libpangocairo-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

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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.

### 6.16.1 pango-1.0/pango/pangocairo.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 6.17 Interfaces for libpangoxft-1.0

Table 6-9 defines the library name and shared object name for the libpangoxft-1.0 library

**Table 6-9 libpangoxft-1.0 Definition**

| | |
|---|---|
| Library: | libpangoxft-1.0 |
| SONAME: | libpangoxft-1.0.so.0 |

### 6.17.1 Pango Xft Fonts and Rendering library

#### 6.17.1.1 Interfaces for Pango Xft Fonts and Rendering library

No external functions are defined for libpangoxft-1.0 - Pango Xft Fonts and Rendering library in this part of the specification. See also the generic specification.

## 6.18 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.

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### 6.18.1 pango-1.0/pango/pangoxft.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 6.19 Interfaces for libpangoft2-1.0

Table 6-10 defines the library name and shared object name for the libpangoft2-1.0 library

**Table 6-10 libpangoft2-1.0 Definition**

| | |
|---|---|
| Library: | libpangoft2-1.0 |
| SONAME: | libpangoft2-1.0.so.0 |

### 6.19.1 Pango Freetype Fonts and Rendering library

#### 6.19.1.1 Interfaces for Pango Freetype Fonts and Rendering library

No external functions are defined for libpangoft2-1.0 - Pango Freetype Fonts and Rendering library in this part of the specification. See also the generic specification.

## 6.20 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 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.

### 6.20.1 pango-1.0/pango/pangofc-decoder.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.20.2 pango-1.0/pango/pangofc-fontmap.h

```
/*
```

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```
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.20.3 pango-1.0/pango/pangoft2.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 6.21 Interfaces for libgdk_pixbuf-2.0

Table 6-11 defines the library name and shared object name for the libgdk_pixbuf-2.0 library

**Table 6-11 libgdk_pixbuf-2.0 Definition**

| | |
|---|---|
| Library: | libgdk_pixbuf-2.0 |
| SONAME: | libgdk_pixbuf-2.0.so.0 |

### 6.21.1 GDK pixbuf rendering on drawables library

#### 6.21.1.1 Interfaces for GDK pixbuf rendering on drawables library

No external functions are defined for libgdk_pixbuf-2.0 - GDK pixbuf rendering on drawables library in this part of the specification. See also the generic specification.

## 6.22 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.

### 6.22.1 gdk-pixbuf-2.0/gdk-pixbuf/gdk-pixbuf.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 6.22.2 gdk-pixbuf-2.0/gdk-pixbuf/gdk-pixdata.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 6.23 Interfaces for libgdk_pixbuf_xlib-2.0

Table 6-12 defines the library name and shared object name for the libgdk_pixbuf_xlib-2.0 library

**Table 6-12 libgdk_pixbuf_xlib-2.0 Definition**

| | |
|---|---|
| Library: | libgdk_pixbuf_xlib-2.0 |
| SONAME: | libgdk_pixbuf_xlib-2.0.so.0 |

### 6.23.1 GDK pixbuf rendering to an X drawable library

#### 6.23.1.1 Interfaces for GDK pixbuf rendering to an X drawable library

No external functions are defined for libgdk_pixbuf_xlib-2.0 - GDK pixbuf rendering to an X drawable library in this part of the specification. See also the generic specification.

## 6.24 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.

### 6.24.1 gdk-pixbuf-2.0/gdk-pixbuf-xlib/gdk-pixbuf-xlib.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 6.25 Interfaces for libgdk-x11-2.0

Table 6-13 defines the library name and shared object name for the libgdk-x11-2.0 library

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**Table 6-13 libgdk-x11-2.0 Definition**

| | |
|---|---|
| Library: | libgdk-x11-2.0 |
| SONAME: | libgdk-x11-2.0.so.0 |

### 6.25.1 GTK Drawing toolkit

#### 6.25.1.1 Interfaces for GTK Drawing toolkit

No external functions are defined for libgdk-x11-2.0 - GTK Drawing toolkit in this part of the specification. See also the generic specification.

## 6.26 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.

### 6.26.1 gtk-2.0/gdk/gdk.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.26.2 gtk-2.0/gdk/gdkkeysyms.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.26.3 gtk-2.0/gdk/gdkx.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 6.27 Interfaces for libgtk-x11-2.0

Table 6-14 defines the library name and shared object name for the libgtk-x11-2.0 library

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**Table 6-14 libgtk-x11-2.0 Definition**

| | |
|---|---|
| Library: | libgtk-x11-2.0 |
| SONAME: | libgtk-x11-2.0.so.0 |

## 6.27.1 GTK main Widgets library

### 6.27.1.1 Interfaces for GTK main Widgets library

No external functions are defined for libgtk-x11-2.0 - GTK main Widgets library in this part of the specification. See also the generic specification.

## 6.28 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.

## 6.28.1 gtk-2.0/gtk/gtk.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 6.28.2 gtk-2.0/gtk/gtkenums.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 6.28.3 gtk-2.0/gtk/gtkprintoperationpreview.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 6.28.4 gtk-2.0/gtk/gtkrecentfilter.h

```
/*
 * This header is architecture neutral
```

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```
 * Please refer to the generic specification for details
 */
```

### 6.28.5 gtk-2.0/gtk/gtkrecentmanager.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.28.6 gtk-2.0/gtk/gtkstatusicon.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.28.7 gtk-2.0/gtk/gtktextbufferrichtext.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.28.8 gtk-unix-print-2.0/gtk/gtkpagesetupunixdialog.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.28.9 gtk-unix-print-2.0/gtk/gtkprinter.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.28.10 gtk-unix-print-2.0/gtk/gtkprintjob.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.28.11 gtk-unix-print-2.0/gtk/gtkprintunixdialog.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 6.28.12 gtk-unix-print-2.0/gtk/gtkunixprint.h

```
/*
```

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```
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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# III Qt Libraries

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# 7 Libraries

## 7.1 Introduction

An conforming implementation shall support the following Qt libraries which provide interfaces for creating rich user applications, either graphical or console.

QtCore

A general-purpose application development library, not specific to graphical user interfaces. QtCore provides a main loop, threading classes, tool classes, template container classes, IO classes, and so on.

QtGui

The GUI part of Qt, provides a paint engine, text rendering engine, widgets, printing, PDF generation, accessibility classes, and so on.

QtXml

The XML support for Qt, provides fast XML parsing and DOM classes to traverse the XML tree.

QtOpenGL

The OpenGL integration for Qt, provides OpenGL rendering and embedding.

QtSql

The database part of Qt, provides access to databases and models that connect databases into the model/view framework of QtGui.

QtSvg

Renders Svg files into any context, for displaying on the screen, printing or embedding in PDF.

QtNetwork

Provides network server and client classes, TCP/IP, UDP, Http, Ftp, Url parsing support, and so on.

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

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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.

## 7.2 Interfaces for libQtCore

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

**Table 7-1 libQtCore Definition**

| | |
|---|---|
| Library: | libQtCore |
| SONAME: | libQtCore.so.4 |

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

[CXXABI-1.86] Itanium™ C++ ABI
[LSB] This Specification
[QtCore] QtCore 4.2.0

### 7.2.1 Qt4 Core Functions

#### 7.2.1.1 Class data for QDynamicPropertyChangeEvent

The virtual table for the QDynamicPropertyChangeEvent class is described in the generic part of this specification.

#### 7.2.1.2 Class data for QTimeLine

The virtual table for the QTimeLine class is described in the generic part of this specification.

#### 7.2.1.3 Interfaces for Qt4 Core Functions

An LSB conforming implementation shall provide the architecture specific functions for Qt4 Core Functions specified in Table 7-2, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-2 libQtCore - Qt4 Core Functions Function Interfaces**

| | |
|---|---|
| _Z10qvsnprintfPcjPKcS_ [QtCore] | _Z7qMallocj [LSB] |
| _Z7qMemSetPvij [LSB] | _Z8qMemCopyPvPKvj [LSB] |
| _Z8qReallocPvj [LSB] | _Z9qsnprintfPcjPKcz [QtCore] |
| _ZThn8_N16QTextCodecPlugin6createERK7QString [CXXABI-1.86] | _ZThn8_NK16QTextCodecPlugin4keysEv [CXXABI-1.86] |

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## 7.2.2 Qt4 Models

### 7.2.2.1 Class data for QAbstractItemModel

The virtual table for the QAbstractItemModel class is described in the generic part of this specification.

The Run Time Type Information for the QAbstractItemModel class is described by Table 7-3

**Table 7-3 typeinfo for QAbstractItemModel**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAbstractItemModel |
| basetype: | typeinfo for QObject |

### 7.2.2.2 Class data for QAbstractTableModel

The virtual table for the QAbstractTableModel class is described in the generic part of this specification.

The Run Time Type Information for the QAbstractTableModel class is described by Table 7-4

**Table 7-4 typeinfo for QAbstractTableModel**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAbstractTableModel |
| basetype: | typeinfo for QAbstractItemModel |

### 7.2.2.3 Class data for QAbstractListModel

The virtual table for the QAbstractListModel class is described in the generic part of this specification.

The Run Time Type Information for the QAbstractListModel class is described by Table 7-5

**Table 7-5 typeinfo for QAbstractListModel**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAbstractListModel |
| basetype: | typeinfo for QAbstractItemModel |

### 7.2.2.4 Interfaces for Qt4 Models

No external functions are defined for libQtCore - Qt4 Models in this part of the specification. See also the generic specification.

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## 7.2.3 Qt4 Internationalization

### 7.2.3.1 Class data for QTextCodec

The virtual table for the QTextCodec class is described in the generic part of this specification.

The Run Time Type Information for the QTextCodec class is described by Table 7-6

**Table 7-6 typeinfo for QTextCodec**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QTextCodec |

### 7.2.3.2 Class data for QTextCodecFactoryInterface

The virtual table for the QTextCodecFactoryInterface class is described in the generic part of this specification.

The Run Time Type Information for the QTextCodecFactoryInterface class is described by Table 7-7

**Table 7-7 typeinfo for QTextCodecFactoryInterface**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTextCodecFactoryInterface |
| basetype: | typeinfo for QFactoryInterface |

### 7.2.3.3 Class data for QTranslator

The virtual table for the QTranslator class is described in the generic part of this specification.

The Run Time Type Information for the QTranslator class is described by Table 7-8

**Table 7-8 typeinfo for QTranslator**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTranslator |
| basetype: | typeinfo for QObject |

### 7.2.3.4 Class data for QSystemLocale

The virtual table for the QSystemLocale class is described in the generic part of this specification.

### 7.2.3.5 Interfaces for Qt4 Internationalization

No external functions are defined for libQtCore - Qt4 Internationalization in this part of the specification. See also the generic specification.

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## 7.2.4 Qt4 Containers

### 7.2.4.1 Class data for QMimeData

The virtual table for the QMimeData class is described in the generic part of this specification.

The Run Time Type Information for the QMimeData class is described by Table 7-9

**Table 7-9 typeinfo for QMimeData**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QMimeData |
| basetype: | typeinfo for QObject |

### 7.2.4.2 Interfaces for Qt4 Containers

No external functions are defined for libQtCore - Qt4 Containers in this part of the specification. See also the generic specification.

## 7.2.5 Qt4 Events

### 7.2.5.1 Class data for QEventLoop

The virtual table for the QEventLoop class is described in the generic part of this specification.

The Run Time Type Information for the QEventLoop class is described by Table 7-10

**Table 7-10 typeinfo for QEventLoop**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QEventLoop |
| basetype: | typeinfo for QObject |

### 7.2.5.2 Class data for QEvent

The virtual table for the QEvent class is described in the generic part of this specification.

The Run Time Type Information for the QEvent class is described by Table 7-11

**Table 7-11 typeinfo for QEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QEvent |

### 7.2.5.3 Class data for QTimerEvent

The virtual table for the QTimerEvent class is described in the generic part of this specification.

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The Run Time Type Information for the QTimerEvent class is described by Table 7-12

**Table 7-12 typeinfo for QTimerEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTimerEvent |
| basetype: | typeinfo for QEvent |

### 7.2.5.4 Class data for QChildEvent

The virtual table for the QChildEvent class is described in the generic part of this specification.

The Run Time Type Information for the QChildEvent class is described by Table 7-13

**Table 7-13 typeinfo for QChildEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QChildEvent |
| basetype: | typeinfo for QEvent |

### 7.2.5.5 Class data for QCustomEvent

The virtual table for the QCustomEvent class is described in the generic part of this specification.

The Run Time Type Information for the QCustomEvent class is described by Table 7-14

**Table 7-14 typeinfo for QCustomEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QCustomEvent |
| basetype: | typeinfo for QEvent |

### 7.2.5.6 Class data for QAbstractEventDispatcher

The virtual table for the QAbstractEventDispatcher class is described in the generic part of this specification.

The Run Time Type Information for the QAbstractEventDispatcher class is described by Table 7-15

**Table 7-15 typeinfo for QAbstractEventDispatcher**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAbstractEventDispatcher |

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| | |
|---|---|
| basetype: | typeinfo for QObject |

#### 7.2.5.7 Interfaces for Qt4 Events

No external functions are defined for libQtCore - Qt4 Events in this part of the specification. See also the generic specification.

### 7.2.6 Qt4 Arrays

#### 7.2.6.1 Interfaces for Qt4 Arrays

No external functions are defined for libQtCore - Qt4 Arrays in this part of the specification. See also the generic specification.

### 7.2.7 Qt4 Plugins

#### 7.2.7.1 Class data for QTextCodecPlugin

The virtual table for the QTextCodecPlugin class is described by Table 7-16

**Table 7-16 Primary vtable for QTextCodecPlugin**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTextCodecPlugin |
| vfunc[0]: | QTextCodecPlugin::metaObject() const |
| vfunc[1]: | QTextCodecPlugin::qt_metacast(char const*) |
| vfunc[2]: | QTextCodecPlugin::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QTextCodecPlugin::~QTextCodecPlugin() |
| vfunc[4]: | QTextCodecPlugin::~QTextCodecPlugin() |
| vfunc[5]: | QObject::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | __cxa_pure_virtual |
| vfunc[13]: | __cxa_pure_virtual |


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| | |
|---|---|
| vfunc[14]: | __cxa_pure_virtual |
| vfunc[15]: | __cxa_pure_virtual |
| vfunc[16]: | __cxa_pure_virtual |
| vfunc[17]: | QTextCodecPlugin::keys() const |
| vfunc[18]: | QTextCodecPlugin::create(QString const&) |

**Table 7-17 Secondary vtable for QTextCodecPlugin**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTextCodecPlugin |
| vfunc[0]: | non-virtual thunk to QTextCodecPlugin::~QTextCodecPlugin() |
| vfunc[1]: | non-virtual thunk to QTextCodecPlugin::~QTextCodecPlugin() |
| vfunc[2]: | non-virtual thunk to QTextCodecPlugin::keys() const |
| vfunc[3]: | non-virtual thunk to QTextCodecPlugin::create(QString const&) |

The Run Time Type Information for the QTextCodecPlugin class is described by Table 7-18

**Table 7-18 typeinfo for QTextCodecPlugin**

| | | |
|---|---|---|
| Base Vtable | vtable for __cxxabiv1::__vmi_class_type_info | |
| Name | typeinfo name for QTextCodecPlugin | |
| flags: | 0 | |
| basetype: | typeinfo for QObject | 2 |
| basetype: | typeinfo for QTextCodecFactoryInterface | 2050 |

### 7.2.7.2 Class data for QPluginLoader

The virtual table for the QPluginLoader class is described in the generic part of this specification.

The Run Time Type Information for the QPluginLoader class is described by Table 7-19

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**Table 7-19 typeinfo for QPluginLoader**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QPluginLoader |
| basetype: | typeinfo for QObject |

### 7.2.7.3 Class data for QLibrary

The virtual table for the QLibrary class is described in the generic part of this specification.

The Run Time Type Information for the QLibrary class is described by Table 7-20

**Table 7-20 typeinfo for QLibrary**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QLibrary |
| basetype: | typeinfo for QObject |

### 7.2.7.4 Interfaces for Qt4 Plugins

An LSB conforming implementation shall provide the architecture specific functions for Qt4 Plugins specified in Table 7-21, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-21 libQtCore - Qt4 Plugins Function Interfaces**

| | |
|---|---|
| _ZThn8_N16QTextCodecPluginD0Ev [CXXABI-1.86] | _ZThn8_N16QTextCodecPluginD1Ev [CXXABI-1.86] |

## 7.2.8 Qt4 Date and Time

### 7.2.8.1 Class data for QTimer

The virtual table for the QTimer class is described in the generic part of this specification.

The Run Time Type Information for the QTimer class is described by Table 7-22

**Table 7-22 typeinfo for QTimer**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTimer |
| basetype: | typeinfo for QObject |

### 7.2.8.2 Interfaces for Qt4 Date and Time

No external functions are defined for libQtCore - Qt4 Date and Time in this part of the specification. See also the generic specification.

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## 7.2.9 Qt4 Miscellaneous

### 7.2.9.1 Class data for QFactoryInterface

The virtual table for the QFactoryInterface class is described in the generic part of this specification.

The Run Time Type Information for the QFactoryInterface class is described by Table 7-23

**Table 7-23 typeinfo for QFactoryInterface**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QFactoryInterface |

### 7.2.9.2 Interfaces for Qt4 Miscellaneous

No external functions are defined for libQtCore - Qt4 Miscellaneous in this part of the specification. See also the generic specification.

## 7.2.10 Qt4 Text

### 7.2.10.1 Interfaces for Qt4 Text

An LSB conforming implementation shall provide the architecture specific functions for Qt4 Text specified in Table 7-24, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-24 libQtCore - Qt4 Text Function Interfaces**

| | |
|---|---|
| _ZN7QString8vsprintfEPKcPc [QtCore] | |

## 7.2.11 Qt4 Input/Output

### 7.2.11.1 Class data for QIODevice

The virtual table for the QIODevice class is described in the generic part of this specification.

The Run Time Type Information for the QIODevice class is described by Table 7-25

**Table 7-25 typeinfo for QIODevice**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QIODevice |
| basetype: | typeinfo for QObject |

### 7.2.11.2 Class data for QDataStream

The virtual table for the QDataStream class is described in the generic part of this specification.

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The Run Time Type Information for the QDataStream class is described by Table 7-26

**Table 7-26 typeinfo for QDataStream**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QDataStream |

### 7.2.11.3 Class data for QTextStream

The virtual table for the QTextStream class is described in the generic part of this specification.

The Run Time Type Information for the QTextStream class is described by Table 7-27

**Table 7-27 typeinfo for QTextStream**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QTextStream |

### 7.2.11.4 Class data for QFile

The virtual table for the QFile class is described in the generic part of this specification.

The Run Time Type Information for the QFile class is described by Table 7-28

**Table 7-28 typeinfo for QFile**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QFile |
| basetype: | typeinfo for QIODevice |

### 7.2.11.5 Class data for QTemporaryFile

The virtual table for the QTemporaryFile class is described in the generic part of this specification.

The Run Time Type Information for the QTemporaryFile class is described by Table 7-29

**Table 7-29 typeinfo for QTemporaryFile**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTemporaryFile |
| basetype: | typeinfo for QFile |

### 7.2.11.6 Class data for QAbstractFileEngine

The virtual table for the QAbstractFileEngine class is described in the generic part of this specification.

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The Run Time Type Information for the QAbstractFileEngine class is described by Table 7-30

**Table 7-30 typeinfo for QAbstractFileEngine**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QAbstractFileEngine |

### 7.2.11.7 Class data for QAbstractFileEngineHandler

The virtual table for the QAbstractFileEngineHandler class is described in the generic part of this specification.

The Run Time Type Information for the QAbstractFileEngineHandler class is described by Table 7-31

**Table 7-31 typeinfo for QAbstractFileEngineHandler**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QAbstractFileEngineHandler |

### 7.2.11.8 Class data for QFSFileEngine

The virtual table for the QFSFileEngine class is described in the generic part of this specification.

The Run Time Type Information for the QFSFileEngine class is described by Table 7-32

**Table 7-32 typeinfo for QFSFileEngine**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QFSFileEngine |
| basetype: | typeinfo for QAbstractFileEngine |

### 7.2.11.9 Class data for QProcess

The virtual table for the QProcess class is described in the generic part of this specification.

The Run Time Type Information for the QProcess class is described by Table 7-33

**Table 7-33 typeinfo for QProcess**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QProcess |
| basetype: | typeinfo for QIODevice |

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### 7.2.11.10 Class data for QBuffer

The virtual table for the QBuffer class is described in the generic part of this specification.

The Run Time Type Information for the QBuffer class is described by Table 7-34

**Table 7-34 typeinfo for QBuffer**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QBuffer |
| basetype: | typeinfo for QIODevice |

### 7.2.11.11 Class data for QSettings

The virtual table for the QSettings class is described in the generic part of this specification.

The Run Time Type Information for the QSettings class is described by Table 7-35

**Table 7-35 typeinfo for QSettings**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSettings |
| basetype: | typeinfo for QObject |

### 7.2.11.12 Class data for QSignalMapper

The virtual table for the QSignalMapper class is described in the generic part of this specification.

The Run Time Type Information for the QSignalMapper class is described by Table 7-36

**Table 7-36 typeinfo for QSignalMapper**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSignalMapper |
| basetype: | typeinfo for QObject |

### 7.2.11.13 Class data for QSocketNotifier

The virtual table for the QSocketNotifier class is described in the generic part of this specification.

The Run Time Type Information for the QSocketNotifier class is described by Table 7-37

**Table 7-37 typeinfo for QSocketNotifier**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |

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| | |
|---|---|
| Name | typeinfo name for QSocketNotifier |
| basetype: | typeinfo for QObject |

#### 7.2.11.14 Class data for QFileSystemWatcher

The virtual table for the QFileSystemWatcher class is described in the generic part of this specification.

#### 7.2.11.15 Interfaces for Qt4 Input/Output

No external functions are defined for libQtCore - Qt4 Input/Output in this part of the specification. See also the generic specification.

### 7.2.12 Qt4 Core Application

#### 7.2.12.1 Class data for QCoreApplication

The virtual table for the QCoreApplication class is described in the generic part of this specification.

The Run Time Type Information for the QCoreApplication class is described by Table 7-38

**Table 7-38 typeinfo for QCoreApplication**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QCoreApplication |
| basetype: | typeinfo for QObject |

#### 7.2.12.2 Interfaces for Qt4 Core Application

No external functions are defined for libQtCore - Qt4 Core Application in this part of the specification. See also the generic specification.

### 7.2.13 Qt4 Object Model

#### 7.2.13.1 Class data for QObject

The virtual table for the QObject class is described in the generic part of this specification.

The Run Time Type Information for the QObject class is described by Table 7-39

**Table 7-39 typeinfo for QObject**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QObject |

#### 7.2.13.2 Class data for QObjectUserData

The virtual table for the QObjectUserData class is described in the generic part of this specification.

The Run Time Type Information for the QObjectUserData class is described by Table 7-40

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**Table 7-40 typeinfo for QObjectUserData**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QObjectUserData |

### 7.2.13.3 Class data for QObjectCleanupHandler

The virtual table for the QObjectCleanupHandler class is described in the generic part of this specification.

The Run Time Type Information for the QObjectCleanupHandler class is described by Table 7-41

**Table 7-41 typeinfo for QObjectCleanupHandler**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QObjectCleanupHandler |
| basetype: | typeinfo for QObject |

### 7.2.13.4 Interfaces for Qt4 Object Model

No external functions are defined for libQtCore - Qt4 Object Model in this part of the specification. See also the generic specification.

## 7.2.14 Qt4 Threading

### 7.2.14.1 Class data for QThread

The virtual table for the QThread class is described in the generic part of this specification.

The Run Time Type Information for the QThread class is described by Table 7-42

**Table 7-42 typeinfo for QThread**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QThread |
| basetype: | typeinfo for QObject |

### 7.2.14.2 Interfaces for Qt4 Threading

No external functions are defined for libQtCore - Qt4 Threading in this part of the specification. See also the generic specification.

## 7.2.15 Qt4 2D Graphics

### 7.2.15.1 Interfaces for Qt4 2D Graphics

No external functions are defined for libQtCore - Qt4 2D Graphics in this part of the specification. See also the generic specification.

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### 7.2.16 Qt4 Internals

#### 7.2.16.1 Interfaces for Qt4 Internals

No external functions are defined for libQtCore - Qt4 Internals in this part of the specification. See also the generic specification.

## 7.3 Data Definitions for libQtCore

This section defines global identifiers and their values that are associated with interfaces contained in libQtCore. 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.

### 7.3.1 QtCore/qabstracteventdispatcher.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.2 QtCore/qabstractfileengine.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.3 QtCore/qabstractitemmodel.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.4 QtCore/qatomic.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.5 QtCore/qbasictimer.h

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```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.6 QtCore/qbitarray.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.7 QtCore/qbuffer.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.8 QtCore/qbytearray.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.9 QtCore/qbytearraymatcher.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.10 QtCore/qchar.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.11 QtCore/qcoreapplication.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.12 QtCore/qcoreevent.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.3.13 QtCore/qdatastream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.14 QtCore/qdatetime.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.15 QtCore/qdebug.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.16 QtCore/qdir.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.17 QtCore/qeventloop.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.18 QtCore/qfactoryinterface.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.19 QtCore/qfile.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.20 QtCore/qfileinfo.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.3.21 QtCore/qfsfileengine.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.22 QtCore/qglobal.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.23 QtCore/qhash.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.24 QtCore/qiodevice.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.25 QtCore/qlibrary.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.26 QtCore/qlibraryinfo.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.27 QtCore/qline.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.28 QtCore/qlinkedlist.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.3.29 QtCore/qlist.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.30 QtCore/qlocale.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.31 QtCore/qmap.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.32 QtCore/qmetaobject.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.33 QtCore/qmetatype.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.34 QtCore/qmimedata.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.35 QtCore/qmutex.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.36 QtCore/qnamespace.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.3.37 QtCore/qobject.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.38 QtCore/qobjectcleanuphandler.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.39 QtCore/qobjectdefs.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.40 QtCore/qpair.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.41 QtCore/qplugin.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.42 QtCore/qpluginloader.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.43 QtCore/qpoint.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.44 QtCore/qprocess.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.3.45 QtCore/qreadwritelock.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.46 QtCore/qrect.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.47 QtCore/qregexp.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.48 QtCore/qsemaphore.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.49 QtCore/qsettings.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.50 QtCore/qshareddata.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.51 QtCore/qsignalmapper.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.52 QtCore/qsize.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.3.53 QtCore/qsocketnotifier.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.54 QtCore/qstring.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.55 QtCore/qstringlist.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.56 QtCore/qstringmatcher.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.57 QtCore/qtemporaryfile.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.58 QtCore/qtextcodec.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.59 QtCore/qtextcodecplugin.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.60 QtCore/qtextstream.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.3.61 QtCore/qthread.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.62 QtCore/qthreadstorage.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.63 QtCore/qtimer.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.64 QtCore/qtranslator.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.65 QtCore/qurl.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.66 QtCore/quuid.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.67 QtCore/qvariant.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.3.68 QtCore/qvector.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.3.69 QtCore/qwaitcondition.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 7.4 Interface Definitions for libQtCore

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

Other interfaces listed in Section 7.2 shall behave as described in the referenced base document. For interfaces referencing LSB and not listed below, please see the generic part of the specification.

## _Z7qMallocj

### Name

`qMalloc` — allocate memory block

### Synopsis

```
#include <QtCore/qglobal.h>
void * qMalloc (size_t size);
```

### Description

The `qMalloc()` function has the same behavior as the `malloc()` function described in POSIX 1003.1-2008 (ISO/IEC 9945-2009).

## _Z7qMemSetPvij

### Name

`qMemSet` — fill memory with a constant byte

### Synopsis

```
#include <QtCore/qglobal.h>
void * qMemSet (void *dest, int c, size_t n);
```

### Description

The `qMemSet()` function has the same behavior as the `memset()` function described in POSIX 1003.1-2008 (ISO/IEC 9945-2009).

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## _Z8qMemCopyPvPKvj

### Name

qMemCopy — copy memory area

### Synopsis

```
#include <QtCore/qglobal.h>
void * qMemCopy (void *dest, const void *src, size_t n);
```

### Description

The qMemCopy() function has the same behavior as the memcpy() function described in POSIX 1003.1-2008 (ISO/IEC 9945-2009).

## _Z8qReallocPvj

### Name

qRealloc — change the size of memory block

### Synopsis

```
#include <QtCore/qglobal.h>
void * qRealloc (void *ptr, size_t size);
```

### Description

The qRealloc() function has the same behavior as the realloc() function described in POSIX 1003.1-2008 (ISO/IEC 9945-2009).

# 7.5 Interfaces for libQtGui

Table 7-43 defines the library name and shared object name for the libQtGui library

**Table 7-43 libQtGui Definition**

| | |
|---|---|
| Library: | libQtGui |
| SONAME: | libQtGui.so.4 |

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

[CXXABI-1.86] Itanium™ C++ ABI

## 7.5.1 Qt4 GUI Functions

### 7.5.1.1 Interfaces for Qt4 GUI Functions

An LSB conforming implementation shall provide the architecture specific functions for Qt4 GUI Functions specified in Table 7-44, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-44 libQtGui - Qt4 GUI Functions Function Interfaces**

| | |
|---|---|
| _ZThn12_NK10QDropEvent11encodedDataEPKc [CXXABI-1.86] | _ZThn12_NK10QDropEvent6formatEi [CXXABI-1.86] |

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| | |
|---|---|
| _ZThn12_NK10QDropEvent8provide sEPKc [CXXABI-1.86] | _ZThn8_N10QBoxLayout10invalidat eEv [CXXABI-1.86] |
| _ZThn8_N10QBoxLayout11setGeom etryERK5QRect [CXXABI-1.86] | _ZThn8_N11QGridLayout10invalida teEv [CXXABI-1.86] |
| _ZThn8_N11QGridLayout11setGeo metryERK5QRect [CXXABI-1.86] | _ZThn8_N14QStackedLayout11setGe ometryERK5QRect [CXXABI-1.86] |
| _ZThn8_N20QPictureFormatPlugin1 1loadPictureERK7QStringS2_P8QPict ure [CXXABI-1.86] | _ZThn8_N20QPictureFormatPlugin1 1savePictureERK7QStringS2_RK8QP icture [CXXABI-1.86] |
| _ZThn8_N7QLayout10invalidateEv [CXXABI-1.86] | _ZThn8_N7QLayout6layoutEv [CXXABI-1.86] |
| _ZThn8_NK10QBoxLayout11maxim umSizeEv [CXXABI-1.86] | _ZThn8_NK10QBoxLayout11minimu mSizeEv [CXXABI-1.86] |
| _ZThn8_NK10QBoxLayout14heightF orWidthEi [CXXABI-1.86] | _ZThn8_NK10QBoxLayout17hasHei ghtForWidthEv [CXXABI-1.86] |
| _ZThn8_NK10QBoxLayout19expand ingDirectionsEv [CXXABI-1.86] | _ZThn8_NK10QBoxLayout21minimu mHeightForWidthEi [CXXABI-1.86] |
| _ZThn8_NK10QBoxLayout8sizeHint Ev [CXXABI-1.86] | _ZThn8_NK11QGridLayout11maxim umSizeEv [CXXABI-1.86] |
| _ZThn8_NK11QGridLayout11minim umSizeEv [CXXABI-1.86] | _ZThn8_NK11QGridLayout14height ForWidthEi [CXXABI-1.86] |
| _ZThn8_NK11QGridLayout17hasHei ghtForWidthEv [CXXABI-1.86] | _ZThn8_NK11QGridLayout19expan dingDirectionsEv [CXXABI-1.86] |
| _ZThn8_NK11QGridLayout21minim umHeightForWidthEi [CXXABI-1.86] | _ZThn8_NK11QGridLayout8sizeHin tEv [CXXABI-1.86] |
| _ZThn8_NK14QStackedLayout11min imumSizeEv [CXXABI-1.86] | _ZThn8_NK14QStackedLayout8size HintEv [CXXABI-1.86] |
| _ZThn8_NK7QLayout11maximumSi zeEv [CXXABI-1.86] | _ZThn8_NK7QLayout11minimumSi zeEv [CXXABI-1.86] |
| _ZThn8_NK7QLayout19expandingD irectionsEv [CXXABI-1.86] | _ZThn8_NK7QLayout7isEmptyEv [CXXABI-1.86] |
| _ZThn8_NK7QLayout8geometryEv [CXXABI-1.86] | _ZThn8_NK7QWidget11paintEngine Ev [CXXABI-1.86] |
| _ZThn8_NK7QWidget6metricEN12Q PaintDevice17PaintDeviceMetricE [CXXABI-1.86] | _ZThn8_NK7QWidget7devTypeEv [CXXABI-1.86] |

## 7.5.2 Qt4 Organizers

### 7.5.2.1 Class data for QButtonGroup

The virtual table for the QButtonGroup class is described in the generic part of this specification.

The Run Time Type Information for the QButtonGroup class is described by Table 7-45

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**Table 7-45 typeinfo for QButtonGroup**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QButtonGroup |
| basetype: | typeinfo for QObject |

### 7.5.2.2 Class data for QGroupBox

The virtual table for the QGroupBox class is described by Table 7-46

**Table 7-46 Primary vtable for QGroupBox**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QGroupBox |
| vfunc[0]: | QGroupBox::metaObject() const |
| vfunc[1]: | QGroupBox::qt_metacast(char const*) |
| vfunc[2]: | QGroupBox::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QGroupBox::~QGroupBox() |
| vfunc[4]: | QGroupBox::~QGroupBox() |
| vfunc[5]: | QGroupBox::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QGroupBox::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QWidget::sizeHint() const |
| vfunc[15]: | QGroupBox::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QGroupBox::mousePressEvent(QMouseEvent*) |

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| | |
|---|---|
| vfunc[19]: | QGroupBox::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QGroupBox::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QGroupBox::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QGroupBox::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QGroupBox::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |

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| | |
|---|---|
| vfunc[43]: | QGroupBox::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |

**Table 7-47 Secondary vtable for QGroupBox**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QGroupBox |
| vfunc[0]: | non-virtual thunk to QGroupBox::~QGroupBox() |
| vfunc[1]: | non-virtual thunk to QGroupBox::~QGroupBox() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QGroupBox class is described by Table 7-48

**Table 7-48 typeinfo for QGroupBox**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QGroupBox |
| basetype: | typeinfo for QWidget |

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### 7.5.2.3 Class data for QSplitter

The virtual table for the QSplitter class is described by Table 7-49

**Table 7-49 Primary vtable for QSplitter**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QSplitter |
| vfunc[0]: | QSplitter::metaObject() const |
| vfunc[1]: | QSplitter::qt_metacast(char const*) |
| vfunc[2]: | QSplitter::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QSplitter::~QSplitter() |
| vfunc[4]: | QSplitter::~QSplitter() |
| vfunc[5]: | QSplitter::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QSplitter::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QSplitter::sizeHint() const |
| vfunc[15]: | QSplitter::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |


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| | |
|---|---|
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent *) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent *) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QFrame::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QSplitter::resizeEvent(QResizeEvent* ) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent* ) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent *) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QSplitter::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |

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| | |
|---|---|
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QSplitter::createHandle() |

**Table 7-50 Secondary vtable for QSplitter**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QSplitter |
| vfunc[0]: | non-virtual thunk to QSplitter::~QSplitter() |
| vfunc[1]: | non-virtual thunk to QSplitter::~QSplitter() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QSplitter class is described by Table 7-51

**Table 7-51 typeinfo for QSplitter**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSplitter |
| basetype: | typeinfo for QFrame |

### 7.5.2.4 Class data for QSplitterHandle

The virtual table for the QSplitterHandle class is described by Table 7-52

**Table 7-52 Primary vtable for QSplitterHandle**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QSplitterHandle |


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| | |
|---|---|
| vfunc[0]: | QSplitterHandle::metaObject() const |
| vfunc[1]: | QSplitterHandle::qt_metacast(char const*) |
| vfunc[2]: | QSplitterHandle::qt_metacall(QMeta Object::Call, int, void**) |
| vfunc[3]: | NULL or QSplitterHandle::~QSplitterHandle() |
| vfunc[4]: | NULL or QSplitterHandle::~QSplitterHandle() |
| vfunc[5]: | QSplitterHandle::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QSplitterHandle::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QSplitterHandle::mousePressEvent( QMouseEvent*) |
| vfunc[19]: | QSplitterHandle::mouseReleaseEvent (QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent( QMouseEvent*) |
| vfunc[21]: | QSplitterHandle::mouseMoveEvent( QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent *) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent *) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEve nt*) |

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| | |
|---|---|
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QSplitterHandle::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |

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| | |
|---|---|
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |

**Table 7-53 Secondary vtable for QSplitterHandle**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QSplitterHandle |
| vfunc[0]: | NULL or non-virtual thunk to QSplitterHandle::~QSplitterHandle() |
| vfunc[1]: | NULL or non-virtual thunk to QSplitterHandle::~QSplitterHandle() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QSplitterHandle class is described by Table 7-54

**Table 7-54 typeinfo for QSplitterHandle**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSplitterHandle |
| basetype: | typeinfo for QWidget |

### 7.5.2.5 Interfaces for Qt4 Organizers

An LSB conforming implementation shall provide the architecture specific functions for Qt4 Organizers specified in Table 7-55, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-55 libQtGui - Qt4 Organizers Function Interfaces**

| | |
|---|---|
| _ZThn8_N9QGroupBoxD0Ev [CXXABI-1.86] | _ZThn8_N9QGroupBoxD1Ev [CXXABI-1.86] |
| _ZThn8_N9QSplitterD0Ev [CXXABI-1.86] | _ZThn8_N9QSplitterD1Ev [CXXABI-1.86] |

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## 7.5.3 Qt4 Events

### 7.5.3.1 Class data for QInputEvent

The virtual table for the QInputEvent class is described in the generic part of this specification.

The Run Time Type Information for the QInputEvent class is described by Table 7-56

**Table 7-56 typeinfo for QInputEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QInputEvent |
| basetype: | typeinfo for QEvent |

### 7.5.3.2 Class data for QMouseEvent

The virtual table for the QMouseEvent class is described in the generic part of this specification.

The Run Time Type Information for the QMouseEvent class is described by Table 7-57

**Table 7-57 typeinfo for QMouseEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QMouseEvent |
| basetype: | typeinfo for QInputEvent |

### 7.5.3.3 Class data for QHoverEvent

The virtual table for the QHoverEvent class is described in the generic part of this specification.

The Run Time Type Information for the QHoverEvent class is described by Table 7-58

**Table 7-58 typeinfo for QHoverEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QHoverEvent |
| basetype: | typeinfo for QEvent |

### 7.5.3.4 Class data for QWheelEvent

The virtual table for the QWheelEvent class is described in the generic part of this specification.

The Run Time Type Information for the QWheelEvent class is described by Table 7-59


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**Table 7-59 typeinfo for QWheelEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QWheelEvent |
| basetype: | typeinfo for QInputEvent |

### 7.5.3.5 Class data for QTabletEvent

The virtual table for the QTabletEvent class is described in the generic part of this specification.

The Run Time Type Information for the QTabletEvent class is described by Table 7-60

**Table 7-60 typeinfo for QTabletEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTabletEvent |
| basetype: | typeinfo for QInputEvent |

### 7.5.3.6 Class data for QKeyEvent

The virtual table for the QKeyEvent class is described in the generic part of this specification.

The Run Time Type Information for the QKeyEvent class is described by Table 7-61

**Table 7-61 typeinfo for QKeyEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QKeyEvent |
| basetype: | typeinfo for QInputEvent |

### 7.5.3.7 Class data for QFocusEvent

The virtual table for the QFocusEvent class is described in the generic part of this specification.

The Run Time Type Information for the QFocusEvent class is described by Table 7-62

**Table 7-62 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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### 7.5.3.8 Class data for QPaintEvent

The virtual table for the QPaintEvent class is described in the generic part of this specification.

The Run Time Type Information for the QPaintEvent class is described by Table 7-63

**Table 7-63 typeinfo for QPaintEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QPaintEvent |
| basetype: | typeinfo for QEvent |

### 7.5.3.9 Class data for QMoveEvent

The virtual table for the QMoveEvent class is described in the generic part of this specification.

The Run Time Type Information for the QMoveEvent class is described by Table 7-64

**Table 7-64 typeinfo for QMoveEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QMoveEvent |
| basetype: | typeinfo for QEvent |

### 7.5.3.10 Class data for QResizeEvent

The virtual table for the QResizeEvent class is described in the generic part of this specification.

The Run Time Type Information for the QResizeEvent class is described by Table 7-65

**Table 7-65 typeinfo for QResizeEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QResizeEvent |
| basetype: | typeinfo for QEvent |

### 7.5.3.11 Class data for QCloseEvent

The virtual table for the QCloseEvent class is described in the generic part of this specification.

The Run Time Type Information for the QCloseEvent class is described by Table 7-66

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**Table 7-66 typeinfo for QCloseEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QCloseEvent |
| basetype: | typeinfo for QEvent |

### 7.5.3.12 Class data for QIconDragEvent

The virtual table for the QIconDragEvent class is described in the generic part of this specification.

The Run Time Type Information for the QIconDragEvent class is described by Table 7-67

**Table 7-67 typeinfo for QIconDragEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QIconDragEvent |
| basetype: | typeinfo for QEvent |

### 7.5.3.13 Class data for QShowEvent

The virtual table for the QShowEvent class is described in the generic part of this specification.

The Run Time Type Information for the QShowEvent class is described by Table 7-68

**Table 7-68 typeinfo for QShowEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QShowEvent |
| basetype: | typeinfo for QEvent |

### 7.5.3.14 Class data for QHideEvent

The virtual table for the QHideEvent class is described in the generic part of this specification.

The Run Time Type Information for the QHideEvent class is described by Table 7-69

**Table 7-69 typeinfo for QHideEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QHideEvent |
| basetype: | typeinfo for QEvent |

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### 7.5.3.15 Class data for QContextMenuEvent

The virtual table for the QContextMenuEvent class is described in the generic part of this specification.

The Run Time Type Information for the QContextMenuEvent class is described by Table 7-70

**Table 7-70 typeinfo for QContextMenuEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QContextMenuEvent |
| basetype: | typeinfo for QInputEvent |

### 7.5.3.16 Class data for QInputMethodEvent

The virtual table for the QInputMethodEvent class is described in the generic part of this specification.

The Run Time Type Information for the QInputMethodEvent class is described by Table 7-71

**Table 7-71 typeinfo for QInputMethodEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QInputMethodEvent |
| basetype: | typeinfo for QEvent |

### 7.5.3.17 Class data for QHelpEvent

The virtual table for the QHelpEvent class is described in the generic part of this specification.

The Run Time Type Information for the QHelpEvent class is described by Table 7-72

**Table 7-72 typeinfo for QHelpEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QHelpEvent |
| basetype: | typeinfo for QEvent |

### 7.5.3.18 Class data for QStatusTipEvent

The virtual table for the QStatusTipEvent class is described in the generic part of this specification.

The Run Time Type Information for the QStatusTipEvent class is described by Table 7-73

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**Table 7-73 typeinfo for QStatusTipEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QStatusTipEvent |
| basetype: | typeinfo for QEvent |

### 7.5.3.19 Class data for QWhatsThisClickedEvent

The virtual table for the QWhatsThisClickedEvent class is described in the generic part of this specification.

The Run Time Type Information for the QWhatsThisClickedEvent class is described by Table 7-74

**Table 7-74 typeinfo for QWhatsThisClickedEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QWhatsThisClickedEvent |
| basetype: | typeinfo for QEvent |

### 7.5.3.20 Class data for QActionEvent

The virtual table for the QActionEvent class is described in the generic part of this specification.

The Run Time Type Information for the QActionEvent class is described by Table 7-75

**Table 7-75 typeinfo for QActionEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QActionEvent |
| basetype: | typeinfo for QEvent |

### 7.5.3.21 Class data for QFileOpenEvent

The virtual table for the QFileOpenEvent class is described in the generic part of this specification.

The Run Time Type Information for the QFileOpenEvent class is described by Table 7-76

**Table 7-76 typeinfo for QFileOpenEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QFileOpenEvent |
| basetype: | typeinfo for QEvent |

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### 7.5.3.22 Class data for QToolBarChangeEvent

The virtual table for the QToolBarChangeEvent class is described in the generic part of this specification.

The Run Time Type Information for the QToolBarChangeEvent class is described by Table 7-77

**Table 7-77 typeinfo for QToolBarChangeEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QToolBarChangeEvent |
| basetype: | typeinfo for QEvent |

### 7.5.3.23 Class data for QShortcutEvent

The virtual table for the QShortcutEvent class is described in the generic part of this specification.

The Run Time Type Information for the QShortcutEvent class is described by Table 7-78

**Table 7-78 typeinfo for QShortcutEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QShortcutEvent |
| basetype: | typeinfo for QEvent |

### 7.5.3.24 Class data for QClipboardEvent

The virtual table for the QClipboardEvent class is described in the generic part of this specification.

The Run Time Type Information for the QClipboardEvent class is described by Table 7-79

**Table 7-79 typeinfo for QClipboardEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QClipboardEvent |
| basetype: | typeinfo for QEvent |

### 7.5.3.25 Class data for QWindowStateChangeEvent

The virtual table for the QWindowStateChangeEvent class is described in the generic part of this specification.

The Run Time Type Information for the QWindowStateChangeEvent class is described by Table 7-80

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**Table 7-80 typeinfo for QWindowStateChangeEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QWindowStateChangeEvent |
| basetype: | typeinfo for QEvent |

#### 7.5.3.26 Class data for QMenubarUpdatedEvent

The virtual table for the QMenubarUpdatedEvent class is described in the generic part of this specification.

The Run Time Type Information for the QMenubarUpdatedEvent class is described by Table 7-81

**Table 7-81 typeinfo for QMenubarUpdatedEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QMenubarUpdatedEvent |
| basetype: | typeinfo for QEvent |

#### 7.5.3.27 Interfaces for Qt4 Events

No external functions are defined for libQtGui - Qt4 Events in this part of the specification. See also the generic specification.

### 7.5.4 Qt4 Fonts

#### 7.5.4.1 Interfaces for Qt4 Fonts

No external functions are defined for libQtGui - Qt4 Fonts in this part of the specification. See also the generic specification.

### 7.5.5 Qt4 Colors

#### 7.5.5.1 Interfaces for Qt4 Colors

No external functions are defined for libQtGui - Qt4 Colors in this part of the specification. See also the generic specification.

### 7.5.6 Qt4 Accessibility

#### 7.5.6.1 Class data for QAccessibleBridgeFactoryInterface

The virtual table for the QAccessibleBridgeFactoryInterface class is described in the generic part of this specification.

The Run Time Type Information for the QAccessibleBridgeFactoryInterface class is described by Table 7-82

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**Table 7-82 typeinfo for QAccessibleBridgeFactoryInterface**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAccessibleBridgeFactoryInterface |
| basetype: | typeinfo for QFactoryInterface |

### 7.5.6.2 Class data for QAccessibleBridgePlugin

The virtual table for the QAccessibleBridgePlugin class is described by Table 7-83

**Table 7-83 Primary vtable for QAccessibleBridgePlugin**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QAccessibleBridgePlugin |
| vfunc[0]: | QAccessibleBridgePlugin::metaObject() const |
| vfunc[1]: | QAccessibleBridgePlugin::qt_metacast(char const*) |
| vfunc[2]: | QAccessibleBridgePlugin::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QAccessibleBridgePlugin::~QAccessibleBridgePlugin() |
| vfunc[4]: | QAccessibleBridgePlugin::~QAccessibleBridgePlugin() |
| vfunc[5]: | QObject::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | __cxa_pure_virtual |
| vfunc[13]: | __cxa_pure_virtual |

**Table 7-84 Secondary vtable for QAccessibleBridgePlugin**

| | |
|---|---|
| Base Offset | -8 |


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| | |
|---|---|
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QAccessibleBridgePlugin |
| vfunc[0]: | non-virtual thunk to QAccessibleBridgePlugin::~QAccessibleBridgePlugin() |
| vfunc[1]: | non-virtual thunk to QAccessibleBridgePlugin::~QAccessibleBridgePlugin() |
| vfunc[2]: | __cxa_pure_virtual |
| vfunc[3]: | __cxa_pure_virtual |

The Run Time Type Information for the QAccessibleBridgePlugin class is described by Table 7-85

**Table 7-85 typeinfo for QAccessibleBridgePlugin**

| | | |
|---|---|---|
| Base Vtable | vtable for __cxxabiv1::__vmi_class_type_info | |
| Name | typeinfo name for QAccessibleBridgePlugin | |
| flags: | 0 | |
| basetype: | typeinfo for QObject | 2 |
| basetype: | typeinfo for QAccessibleBridgeFactoryInterface | 2050 |

### 7.5.6.3 Class data for QAccessibleInterface

The virtual table for the QAccessibleInterface class is described in the generic part of this specification.

The Run Time Type Information for the QAccessibleInterface class is described by Table 7-86

**Table 7-86 typeinfo for QAccessibleInterface**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAccessibleInterface |
| basetype: | typeinfo for QAccessible |

### 7.5.6.4 Class data for QAccessibleObject

The virtual table for the QAccessibleObject class is described in the generic part of this specification.

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The Run Time Type Information for the QAccessibleObject class is described by Table 7-87

**Table 7-87 typeinfo for QAccessibleObject**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAccessibleObject |
| basetype: | typeinfo for QAccessibleInterface |

### 7.5.6.5 Class data for QAccessibleApplication

The virtual table for the QAccessibleApplication class is described in the generic part of this specification.

The Run Time Type Information for the QAccessibleApplication class is described by Table 7-88

**Table 7-88 typeinfo for QAccessibleApplication**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAccessibleApplication |
| basetype: | typeinfo for QAccessibleObject |

### 7.5.6.6 Class data for QAccessibleWidget

The virtual table for the QAccessibleWidget class is described in the generic part of this specification.

The Run Time Type Information for the QAccessibleWidget class is described by Table 7-89

**Table 7-89 typeinfo for QAccessibleWidget**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAccessibleWidget |
| basetype: | typeinfo for QAccessibleObject |

### 7.5.6.7 Class data for QAccessibleFactoryInterface

The virtual table for the QAccessibleFactoryInterface class is described in the generic part of this specification.

The Run Time Type Information for the QAccessibleFactoryInterface class is described by Table 7-90

**Table 7-90 typeinfo for QAccessibleFactoryInterface**

| | | |
|---|---|---|
| Base Vtable | vtable for __cxxabiv1::__vmi_class_type_info | |

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| | | |
|---|---|---|
| Name | typeinfo name for QAccessibleFactoryInterface | |
| flags: | 0 | |
| basetype: | typeinfo for QAccessible | 2 |
| basetype: | typeinfo for QFactoryInterface | 2 |

### 7.5.6.8 Class data for QAccessiblePlugin

The virtual table for the QAccessiblePlugin class is described by Table 7-91

**Table 7-91 Primary vtable for QAccessiblePlugin**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QAccessiblePlugin |
| vfunc[0]: | QAccessiblePlugin::metaObject() const |
| vfunc[1]: | QAccessiblePlugin::qt_metacast(char const*) |
| vfunc[2]: | QAccessiblePlugin::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QAccessiblePlugin::~QAccessiblePlugin() |
| vfunc[4]: | QAccessiblePlugin::~QAccessiblePlugin() |
| vfunc[5]: | QObject::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | __cxa_pure_virtual |
| vfunc[13]: | __cxa_pure_virtual |

**Table 7-92 Secondary vtable for QAccessiblePlugin**

| | |
|---|---|
| Base Offset | -8 |

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| | |
|---|---|
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QAccessiblePlugin |
| vfunc[0]: | non-virtual thunk to QAccessiblePlugin::~QAccessiblePlugin() |
| vfunc[1]: | non-virtual thunk to QAccessiblePlugin::~QAccessiblePlugin() |
| vfunc[2]: | __cxa_pure_virtual |
| vfunc[3]: | __cxa_pure_virtual |

The Run Time Type Information for the QAccessiblePlugin class is described by Table 7-93

**Table 7-93 typeinfo for QAccessiblePlugin**

| | | |
|---|---|---|
| Base Vtable | vtable for __cxxabiv1::__vmi_class_type_info | |
| Name | typeinfo name for QAccessiblePlugin | |
| flags: | 0 | |
| basetype: | typeinfo for QObject | 2 |
| basetype: | typeinfo for QAccessibleFactoryInterface | 2050 |

### 7.5.6.9 Interfaces for Qt4 Accessibility

An LSB conforming implementation shall provide the architecture specific functions for Qt4 Accessibility specified in Table 7-94, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-94 libQtGui - Qt4 Accessibility Function Interfaces**

| | |
|---|---|
| _ZThn8_N17QAccessiblePluginD0Ev [CXXABI-1.86] | _ZThn8_N17QAccessiblePluginD1Ev [CXXABI-1.86] |
| _ZThn8_N23QAccessibleBridgePluginD0Ev [CXXABI-1.86] | _ZThn8_N23QAccessibleBridgePluginD1Ev [CXXABI-1.86] |

## 7.5.7 Qt4 Validators

### 7.5.7.1 Class data for QValidator

The virtual table for the QValidator class is described in the generic part of this specification.

The Run Time Type Information for the QValidator class is described by Table 7-95

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**Table 7-95 typeinfo for QValidator**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QValidator |
| basetype: | typeinfo for QObject |

### 7.5.7.2 Class data for QIntValidator

The virtual table for the QIntValidator class is described in the generic part of this specification.

The Run Time Type Information for the QIntValidator class is described by Table 7-96

**Table 7-96 typeinfo for QIntValidator**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QIntValidator |
| basetype: | typeinfo for QValidator |

### 7.5.7.3 Class data for QDoubleValidator

The virtual table for the QDoubleValidator class is described in the generic part of this specification.

The Run Time Type Information for the QDoubleValidator class is described by Table 7-97

**Table 7-97 typeinfo for QDoubleValidator**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QDoubleValidator |
| basetype: | typeinfo for QValidator |

### 7.5.7.4 Class data for QRegExpValidator

The virtual table for the QRegExpValidator class is described in the generic part of this specification.

The Run Time Type Information for the QRegExpValidator class is described by Table 7-98

**Table 7-98 typeinfo for QRegExpValidator**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QRegExpValidator |
| basetype: | typeinfo for QValidator |

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#### 7.5.7.5 Interfaces for Qt4 Validators

No external functions are defined for libQtGui - Qt4 Validators in this part of the specification. See also the generic specification.

### 7.5.8 Qt4 Plugins

#### 7.5.8.1 Class data for QImageIOPlugin

The virtual table for the QImageIOPlugin class is described by Table 7-99

**Table 7-99 Primary vtable for QImageIOPlugin**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QImageIOPlugin |
| vfunc[0]: | QImageIOPlugin::metaObject() const |
| vfunc[1]: | QImageIOPlugin::qt_metacast(char const*) |
| vfunc[2]: | QImageIOPlugin::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QImageIOPlugin::~QImageIOPlugin() |
| vfunc[4]: | QImageIOPlugin::~QImageIOPlugin() |
| vfunc[5]: | QObject::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | __cxa_pure_virtual |
| vfunc[13]: | __cxa_pure_virtual |
| vfunc[14]: | __cxa_pure_virtual |

**Table 7-100 Secondary vtable for QImageIOPlugin**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QImageIOPlugin |

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| | |
|---|---|
| vfunc[0]: | non-virtual thunk to QImageIOPlugin::~QImageIOPlugin( ) |
| vfunc[1]: | non-virtual thunk to QImageIOPlugin::~QImageIOPlugin( ) |
| vfunc[2]: | __cxa_pure_virtual |
| vfunc[3]: | __cxa_pure_virtual |

The Run Time Type Information for the QImageIOPlugin class is described by Table 7-101

**Table 7-101 typeinfo for QImageIOPlugin**

| | | |
|---|---|---|
| Base Vtable | vtable for __cxxabiv1::__vmi_class _type_info | |
| Name | typeinfo name for QImageIOPlugin | |
| flags: | 0 | |
| basetype: | typeinfo for QObject | 2 |
| basetype: | typeinfo for QImageIOHandlerFactoryInterface | 2050 |

### 7.5.8.2 Class data for QIconEnginePlugin

The virtual table for the QIconEnginePlugin class is described by Table 7-102

**Table 7-102 Primary vtable for QIconEnginePlugin**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QIconEnginePlugin |
| vfunc[0]: | QIconEnginePlugin::metaObject() const |
| vfunc[1]: | QIconEnginePlugin::qt_metacast(char const*) |
| vfunc[2]: | QIconEnginePlugin::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QIconEnginePlugin::~QIconEnginePlugin() |
| vfunc[4]: | QIconEnginePlugin::~QIconEnginePlugin() |
| vfunc[5]: | QObject::event(QEvent*) |

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| | |
|---|---|
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | __cxa_pure_virtual |
| vfunc[13]: | __cxa_pure_virtual |

**Table 7-103 Secondary vtable for QIconEnginePlugin**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QIconEnginePlugin |
| vfunc[0]: | non-virtual thunk to QIconEnginePlugin::~QIconEnginePlugin() |
| vfunc[1]: | non-virtual thunk to QIconEnginePlugin::~QIconEnginePlugin() |
| vfunc[2]: | __cxa_pure_virtual |
| vfunc[3]: | __cxa_pure_virtual |

The Run Time Type Information for the QIconEnginePlugin class is described by Table 7-104

**Table 7-104 typeinfo for QIconEnginePlugin**

| | | |
|---|---|---|
| Base Vtable | vtable for __cxxabiv1::__vmi_class_type_info | |
| Name | typeinfo name for QIconEnginePlugin | |
| flags: | 0 | |
| basetype: | typeinfo for QObject | 2 |
| basetype: | typeinfo for QIconEngineFactoryInterface | 2050 |

### 7.5.8.3 Class data for QPictureFormatPlugin

The virtual table for the QPictureFormatPlugin class is described by Table 7-105

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**Table 7-105 Primary vtable for QPictureFormatPlugin**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QPictureFormatPlugin |
| vfunc[0]: | QPictureFormatPlugin::metaObject() const |
| vfunc[1]: | QPictureFormatPlugin::qt_metacast(char const*) |
| vfunc[2]: | QPictureFormatPlugin::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QPictureFormatPlugin::~QPictureFormatPlugin() |
| vfunc[4]: | QPictureFormatPlugin::~QPictureFormatPlugin() |
| vfunc[5]: | QObject::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | __cxa_pure_virtual |
| vfunc[13]: | QPictureFormatPlugin::loadPicture(QString const&, QString const&, QPicture*) |
| vfunc[14]: | QPictureFormatPlugin::savePicture(QString const&, QString const&, QPicture const&) |
| vfunc[15]: | __cxa_pure_virtual |

**Table 7-106 Secondary vtable for QPictureFormatPlugin**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QPictureFormatPlugin |
| vfunc[0]: | non-virtual thunk to QPictureFormatPlugin::~QPictureFormatPlugin() |

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| | |
|---|---|
| vfunc[1]: | non-virtual thunk to QPictureFormatPlugin::~QPictureFormatPlugin() |
| vfunc[2]: | __cxa_pure_virtual |
| vfunc[3]: | non-virtual thunk to QPictureFormatPlugin::loadPicture( QString const&, QString const&, QPicture*) |
| vfunc[4]: | non-virtual thunk to QPictureFormatPlugin::savePicture( QString const&, QString const&, QPicture const&) |
| vfunc[5]: | __cxa_pure_virtual |

The Run Time Type Information for the QPictureFormatPlugin class is described by Table 7-107

**Table 7-107 typeinfo for QPictureFormatPlugin**

| | | |
|---|---|---|
| Base Vtable | vtable for __cxxabiv1::__vmi_class_type_info | |
| Name | typeinfo name for QPictureFormatPlugin | |
| flags: | 0 | |
| basetype: | typeinfo for QObject | 2 |
| basetype: | typeinfo for QPictureFormatInterface | 2050 |

### 7.5.8.4 Class data for QStylePlugin

The virtual table for the QStylePlugin class is described by Table 7-108

**Table 7-108 Primary vtable for QStylePlugin**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QStylePlugin |
| vfunc[0]: | QStylePlugin::metaObject() const |
| vfunc[1]: | QStylePlugin::qt_metacast(char const*) |
| vfunc[2]: | QStylePlugin::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QStylePlugin::~QStylePlugin() |
| vfunc[4]: | QStylePlugin::~QStylePlugin() |

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| | |
|---|---|
| vfunc[5]: | QObject::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | __cxa_pure_virtual |
| vfunc[13]: | __cxa_pure_virtual |

**Table 7-109 Secondary vtable for QStylePlugin**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QStylePlugin |
| vfunc[0]: | non-virtual thunk to QStylePlugin::~QStylePlugin() |
| vfunc[1]: | non-virtual thunk to QStylePlugin::~QStylePlugin() |
| vfunc[2]: | __cxa_pure_virtual |
| vfunc[3]: | __cxa_pure_virtual |

The Run Time Type Information for the QStylePlugin class is described by Table 7-110

**Table 7-110 typeinfo for QStylePlugin**

| | | |
|---|---|---|
| Base Vtable | vtable for __cxxabiv1::__vmi_class_type_info | |
| Name | typeinfo name for QStylePlugin | |
| flags: | 0 | |
| basetype: | typeinfo for QObject | 2 |
| basetype: | typeinfo for QStyleFactoryInterface | 2050 |

### 7.5.8.5 Class data for QInputContextPlugin

The virtual table for the QInputContextPlugin class is described by Table 7-111

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**Table 7-111 Primary vtable for QInputContextPlugin**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QInputContextPlugin |
| vfunc[0]: | QInputContextPlugin::metaObject() const |
| vfunc[1]: | QInputContextPlugin::qt_metacast(char const*) |
| vfunc[2]: | QInputContextPlugin::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QInputContextPlugin::~QInputContextPlugin() |
| vfunc[4]: | QInputContextPlugin::~QInputContextPlugin() |
| vfunc[5]: | QObject::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| 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 |

**Table 7-112 Secondary vtable for QInputContextPlugin**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QInputContextPlugin |
| vfunc[0]: | non-virtual thunk to QInputContextPlugin::~QInputContextPlugin() |
| vfunc[1]: | non-virtual thunk to QInputContextPlugin::~QInputContextPlugin() |

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| | |
|---|---|
| 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 QInputContextPlugin class is described by Table 7-113

**Table 7-113 typeinfo for QInputContextPlugin**

| | | |
|---|---|---|
| Base Vtable | vtable for __cxxabiv1::__vmi_class_type_info | |
| Name | typeinfo name for QInputContextPlugin | |
| flags: | 0 | |
| basetype: | typeinfo for QObject | 2 |
| basetype: | typeinfo for QInputContextFactoryInterface | 2050 |

### 7.5.8.6 Interfaces for Qt4 Plugins

An LSB conforming implementation shall provide the architecture specific functions for Qt4 Plugins specified in Table 7-114, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-114 libQtGui - Qt4 Plugins Function Interfaces**

| | |
|---|---|
| _ZThn8_N12QStylePluginD0Ev [CXXABI-1.86] | _ZThn8_N12QStylePluginD1Ev [CXXABI-1.86] |
| _ZThn8_N14QImageIOPluginD0Ev [CXXABI-1.86] | _ZThn8_N14QImageIOPluginD1Ev [CXXABI-1.86] |
| _ZThn8_N17QIconEnginePluginD0Ev [CXXABI-1.86] | _ZThn8_N17QIconEnginePluginD1Ev [CXXABI-1.86] |
| _ZThn8_N19QInputContextPluginD0Ev [CXXABI-1.86] | _ZThn8_N19QInputContextPluginD1Ev [CXXABI-1.86] |
| _ZThn8_N20QPictureFormatPluginD0Ev [CXXABI-1.86] | _ZThn8_N20QPictureFormatPluginD1Ev [CXXABI-1.86] |

## 7.5.9 Qt4 Models and Views

### 7.5.9.1 Class data for QAbstractTextDocumentLayout

The virtual table for the QAbstractTextDocumentLayout class is described in the generic part of this specification.

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The Run Time Type Information for the QAbstractTextDocumentLayout class is described by Table 7-115

**Table 7-115 typeinfo for QAbstractTextDocumentLayout**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAbstractTextDocumentLayout |
| basetype: | typeinfo for QObject |

### 7.5.9.2 Class data for QAbstractPageSetupDialog

The virtual table for the QAbstractPageSetupDialog class is described by Table 7-116

**Table 7-116 Primary vtable for QAbstractPageSetupDialog**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QAbstractPageSetupDialog |
| vfunc[0]: | QDialog::metaObject() const |
| vfunc[1]: | QDialog::qt_metacast(char const*) |
| vfunc[2]: | QDialog::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | NULL or QAbstractPageSetupDialog::~QAbstractPageSetupDialog() |
| vfunc[4]: | NULL or QAbstractPageSetupDialog::~QAbstractPageSetupDialog() |
| vfunc[5]: | QWidget::event(QEvent*) |
| vfunc[6]: | QDialog::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QDialog::setVisible(bool) |
| vfunc[14]: | QDialog::sizeHint() const |

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| | |
|---|---|
| vfunc[15]: | QDialog::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QDialog::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QDialog::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QDialog::closeEvent(QCloseEvent*) |
| vfunc[33]: | QDialog::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |

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| | |
|---|---|
| vfunc[40]: | QDialog::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QDialog::done(int) |
| vfunc[55]: | QDialog::accept() |
| vfunc[56]: | QDialog::reject() |
| vfunc[57]: | __cxa_pure_virtual |

**Table 7-117 Secondary vtable for QAbstractPageSetupDialog**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QAbstractPageSetupDialog |
| vfunc[0]: | NULL or non-virtual thunk to QAbstractPageSetupDialog::~QAbstractPageSetupDialog() |
| vfunc[1]: | NULL or non-virtual thunk to QAbstractPageSetupDialog::~QAbstractPageSetupDialog() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |

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| | |
|---|---|
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QAbstractPageSetupDialog class is described by Table 7-118

**Table 7-118 typeinfo for QAbstractPageSetupDialog**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAbstractPageSetupDialog |
| basetype: | typeinfo for QDialog |

### 7.5.9.3 Class data for QAbstractPrintDialog

The virtual table for the QAbstractPrintDialog class is described by Table 7-119

**Table 7-119 Primary vtable for QAbstractPrintDialog**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QAbstractPrintDialog |
| vfunc[0]: | QDialog::metaObject() const |
| vfunc[1]: | QDialog::qt_metacast(char const*) |
| vfunc[2]: | QDialog::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | NULL or QAbstractPrintDialog::~QAbstractPrintDialog() |
| vfunc[4]: | NULL or QAbstractPrintDialog::~QAbstractPrintDialog() |
| vfunc[5]: | QWidget::event(QEvent*) |
| vfunc[6]: | QDialog::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QDialog::setVisible(bool) |

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| | |
|---|---|
| vfunc[14]: | QDialog::sizeHint() const |
| vfunc[15]: | QDialog::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QDialog::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QDialog::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QDialog::closeEvent(QCloseEvent*) |
| vfunc[33]: | QDialog::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |

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| | |
|---|---|
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QDialog::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QDialog::done(int) |
| vfunc[55]: | QDialog::accept() |
| vfunc[56]: | QDialog::reject() |
| vfunc[57]: | __cxa_pure_virtual |

**Table 7-120 Secondary vtable for QAbstractPrintDialog**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QAbstractPrintDialog |
| vfunc[0]: | NULL or non-virtual thunk to QAbstractPrintDialog::~QAbstractPrintDialog() |
| vfunc[1]: | NULL or non-virtual thunk to QAbstractPrintDialog::~QAbstractPrintDialog() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |

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| | |
|---|---|
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QAbstractPrintDialog class is described by Table 7-121

**Table 7-121 typeinfo for QAbstractPrintDialog**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAbstractPrintDialog |
| basetype: | typeinfo for QDialog |

### 7.5.9.4 Class data for QItemSelectionModel

The virtual table for the QItemSelectionModel class is described in the generic part of this specification.

The Run Time Type Information for the QItemSelectionModel class is described by Table 7-122

**Table 7-122 typeinfo for QItemSelectionModel**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QItemSelectionModel |
| basetype: | typeinfo for QObject |

### 7.5.9.5 Class data for QAbstractScrollArea

The virtual table for the QAbstractScrollArea class is described by Table 7-123

**Table 7-123 Primary vtable for QAbstractScrollArea**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QAbstractScrollArea |
| vfunc[0]: | QAbstractScrollArea::metaObject() const |
| vfunc[1]: | QAbstractScrollArea::qt_metacast(char const*) |
| vfunc[2]: | QAbstractScrollArea::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QAbstractScrollArea::~QAbstractScrollArea() |
| vfunc[4]: | QAbstractScrollArea::~QAbstractScrollArea() |


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| | |
|---|---|
| vfunc[5]: | QAbstractScrollArea::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QAbstractScrollArea::sizeHint() const |
| vfunc[15]: | QAbstractScrollArea::minimumSize Hint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QAbstractScrollArea::mousePressEve nt(QMouseEvent*) |
| vfunc[19]: | QAbstractScrollArea::mouseReleaseE vent(QMouseEvent*) |
| vfunc[20]: | QAbstractScrollArea::mouseDoubleC lickEvent(QMouseEvent*) |
| vfunc[21]: | QAbstractScrollArea::mouseMoveEv ent(QMouseEvent*) |
| vfunc[22]: | QAbstractScrollArea::wheelEvent(Q WheelEvent*) |
| vfunc[23]: | QAbstractScrollArea::keyPressEvent( QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEve nt*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent *) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEve nt*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QAbstractScrollArea::paintEvent(QP aintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |

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| | |
|---|---|
| vfunc[31]: | QAbstractScrollArea::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QAbstractScrollArea::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QAbstractScrollArea::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QAbstractScrollArea::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QAbstractScrollArea::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QAbstractScrollArea::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QFrame::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QAbstractScrollArea::viewportEvent(QEvent*) |
| vfunc[55]: | QAbstractScrollArea::scrollContentsBy(int, int) |

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**Table 7-124 Secondary vtable for QAbstractScrollArea**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QAbstractScrollArea |
| vfunc[0]: | non-virtual thunk to QAbstractScrollArea::~QAbstractScrollArea() |
| vfunc[1]: | non-virtual thunk to QAbstractScrollArea::~QAbstractScrollArea() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QAbstractScrollArea class is described by Table 7-125

**Table 7-125 typeinfo for QAbstractScrollArea**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAbstractScrollArea |
| basetype: | typeinfo for QFrame |

### 7.5.9.6 Class data for QAbstractSpinBox

The virtual table for the QAbstractSpinBox class is described by Table 7-126

**Table 7-126 Primary vtable for QAbstractSpinBox**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QAbstractSpinBox |
| vfunc[0]: | QAbstractSpinBox::metaObject() const |
| vfunc[1]: | QAbstractSpinBox::qt_metacast(char const*) |
| vfunc[2]: | QAbstractSpinBox::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QAbstractSpinBox::~QAbstractSpinBox() |

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| | |
|---|---|
| vfunc[4]: | QAbstractSpinBox::~QAbstractSpinBox() |
| vfunc[5]: | QAbstractSpinBox::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QAbstractSpinBox::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QAbstractSpinBox::sizeHint() const |
| vfunc[15]: | QAbstractSpinBox::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QAbstractSpinBox::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QAbstractSpinBox::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QAbstractSpinBox::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QAbstractSpinBox::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QAbstractSpinBox::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QAbstractSpinBox::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QAbstractSpinBox::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QAbstractSpinBox::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |

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| | |
|---|---|
| vfunc[29]: | QAbstractSpinBox::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QAbstractSpinBox::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QAbstractSpinBox::closeEvent(QCloseEvent*) |
| vfunc[33]: | QAbstractSpinBox::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QAbstractSpinBox::showEvent(QShowEvent*) |
| vfunc[41]: | QAbstractSpinBox::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QAbstractSpinBox::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |

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| | |
|---|---|
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QAbstractSpinBox::validate(QString &, int&) const |
| vfunc[55]: | QAbstractSpinBox::fixup(QString&) const |
| vfunc[56]: | QAbstractSpinBox::stepBy(int) |
| vfunc[57]: | QAbstractSpinBox::clear() |
| vfunc[58]: | QAbstractSpinBox::stepEnabled() const |

**Table 7-127 Secondary vtable for QAbstractSpinBox**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QAbstractSpinBox |
| vfunc[0]: | non-virtual thunk to QAbstractSpinBox::~QAbstractSpinBox() |
| vfunc[1]: | non-virtual thunk to QAbstractSpinBox::~QAbstractSpinBox() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QAbstractSpinBox class is described by Table 7-128

**Table 7-128 typeinfo for QAbstractSpinBox**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAbstractSpinBox |
| basetype: | typeinfo for QWidget |

### 7.5.9.7 Class data for QAbstractSlider

The virtual table for the QAbstractSlider class is described by Table 7-129

**Table 7-129 Primary vtable for QAbstractSlider**

| | |
|---|---|
| Base Offset | 0 |

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| | |
|---|---|
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QAbstractSlider |
| vfunc[0]: | QAbstractSlider::metaObject() const |
| vfunc[1]: | QAbstractSlider::qt_metacast(char const*) |
| vfunc[2]: | QAbstractSlider::qt_metacall(QMeta Object::Call, int, void**) |
| vfunc[3]: | QAbstractSlider::~QAbstractSlider() |
| vfunc[4]: | QAbstractSlider::~QAbstractSlider() |
| vfunc[5]: | QAbstractSlider::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QAbstractSlider::timerEvent(QTimer Event*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QWidget::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouse Event*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMou seEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent( QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMous eEvent*) |
| vfunc[22]: | QAbstractSlider::wheelEvent(QWhee lEvent*) |
| vfunc[23]: | QAbstractSlider::keyPressEvent(QKe yEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEve nt*) |

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| | |
|---|---|
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QAbstractSlider::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |

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| | |
|---|---|
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QAbstractSlider::sliderChange(QAbstractSlider::SliderChange) |

**Table 7-130 Secondary vtable for QAbstractSlider**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QAbstractSlider |
| vfunc[0]: | non-virtual thunk to QAbstractSlider::~QAbstractSlider() |
| vfunc[1]: | non-virtual thunk to QAbstractSlider::~QAbstractSlider() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QAbstractSlider class is described by Table 7-131

**Table 7-131 typeinfo for QAbstractSlider**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAbstractSlider |
| basetype: | typeinfo for QWidget |

### 7.5.9.8 Class data for QAbstractItemDelegate

The virtual table for the QAbstractItemDelegate class is described in the generic part of this specification.

The Run Time Type Information for the QAbstractItemDelegate class is described by Table 7-132

**Table 7-132 typeinfo for QAbstractItemDelegate**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |

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| | |
|---|---|
| Name | typeinfo name for QAbstractItemDelegate |
| basetype: | typeinfo for QObject |

### 7.5.9.9 Class data for QAbstractItemView

The virtual table for the QAbstractItemView class is described by Table 7-133

**Table 7-133 Primary vtable for QAbstractItemView**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QAbstractItemView |
| vfunc[0]: | QAbstractItemView::metaObject() const |
| vfunc[1]: | QAbstractItemView::qt_metacast(char const*) |
| vfunc[2]: | QAbstractItemView::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QAbstractItemView::~QAbstractItemView() |
| vfunc[4]: | QAbstractItemView::~QAbstractItemView() |
| vfunc[5]: | QAbstractItemView::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QAbstractItemView::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QAbstractScrollArea::sizeHint() const |
| vfunc[15]: | QAbstractScrollArea::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QAbstractItemView::mousePressEvent(QMouseEvent*) |

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| | |
|---|---|
| vfunc[19]: | QAbstractItemView::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QAbstractItemView::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QAbstractItemView::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QAbstractScrollArea::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QAbstractItemView::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QAbstractItemView::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QAbstractItemView::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QAbstractScrollArea::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QAbstractItemView::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QAbstractScrollArea::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QAbstractItemView::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QAbstractItemView::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QAbstractItemView::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QAbstractItemView::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |

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| | |
|---|---|
| vfunc[43]: | QFrame::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QAbstractItemView::viewportEvent(QEvent*) |
| vfunc[55]: | QAbstractScrollArea::scrollContentsBy(int, int) |
| vfunc[56]: | QAbstractItemView::setModel(QAbstractItemModel*) |
| vfunc[57]: | QAbstractItemView::setSelectionModel(QItemSelectionModel*) |
| vfunc[58]: | QAbstractItemView::keyboardSearch(QString const&) |
| vfunc[59]: | __cxa_pure_virtual |
| vfunc[60]: | __cxa_pure_virtual |
| vfunc[61]: | __cxa_pure_virtual |
| vfunc[62]: | QAbstractItemView::sizeHintForRow(int) const |
| vfunc[63]: | QAbstractItemView::sizeHintForColumn(int) const |
| vfunc[64]: | QAbstractItemView::reset() |
| vfunc[65]: | QAbstractItemView::setRootIndex(QModelIndex const&) |
| vfunc[66]: | QAbstractItemView::doItemsLayout() |
| vfunc[67]: | QAbstractItemView::selectAll() |

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| | |
|---|---|
| vfunc[68]: | QAbstractItemView::dataChanged(QModelIndex const&, QModelIndex const&) |
| vfunc[69]: | QAbstractItemView::rowsInserted(QModelIndex const&, int, int) |
| vfunc[70]: | QAbstractItemView::rowsAboutToBeRemoved(QModelIndex const&, int, int) |
| vfunc[71]: | QAbstractItemView::selectionChanged(QItemSelection const&, QItemSelection const&) |
| vfunc[72]: | QAbstractItemView::currentChanged(QModelIndex const&, QModelIndex const&) |
| vfunc[73]: | QAbstractItemView::updateEditorData() |
| vfunc[74]: | QAbstractItemView::updateEditorGeometries() |
| vfunc[75]: | QAbstractItemView::updateGeometries() |
| vfunc[76]: | QAbstractItemView::verticalScrollbarAction(int) |
| vfunc[77]: | QAbstractItemView::horizontalScrollbarAction(int) |
| vfunc[78]: | QAbstractItemView::verticalScrollbarValueChanged(int) |
| vfunc[79]: | QAbstractItemView::horizontalScrollbarValueChanged(int) |
| vfunc[80]: | QAbstractItemView::closeEditor(QWidget*, QAbstractItemDelegate::EndEditHint) |
| vfunc[81]: | QAbstractItemView::commitData(QWidget*) |
| vfunc[82]: | QAbstractItemView::editorDestroyed(QObject*) |
| vfunc[83]: | __cxa_pure_virtual |
| vfunc[84]: | __cxa_pure_virtual |
| vfunc[85]: | __cxa_pure_virtual |
| vfunc[86]: | __cxa_pure_virtual |
| vfunc[87]: | __cxa_pure_virtual |
| vfunc[88]: | __cxa_pure_virtual |

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| | |
|---|---|
| vfunc[89]: | QAbstractItemView::selectedIndexes () const |
| vfunc[90]: | QAbstractItemView::edit(QModelInd ex const&, QAbstractItemView::EditTrigger, QEvent*) |
| vfunc[91]: | QAbstractItemView::selectionComm and(QModelIndex const&, QEvent const*) const |
| vfunc[92]: | QAbstractItemView::startDrag(QFlag s<Qt::DropAction>) |
| vfunc[93]: | QAbstractItemView::viewOptions() const |

**Table 7-134 Secondary vtable for QAbstractItemView**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QAbstractItemView |
| vfunc[0]: | non-virtual thunk to QAbstractItemView::~QAbstractItem View() |
| vfunc[1]: | non-virtual thunk to QAbstractItemView::~QAbstractItem View() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::Paint DeviceMetric) const |

The Run Time Type Information for the QAbstractItemView class is described by Table 7-135

**Table 7-135 typeinfo for QAbstractItemView**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAbstractItemView |
| basetype: | typeinfo for QAbstractScrollArea |

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### 7.5.9.10 Class data for QStringListModel

The virtual table for the QStringListModel class is described in the generic part of this specification.

The Run Time Type Information for the QStringListModel class is described by Table 7-136

**Table 7-136 typeinfo for QStringListModel**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QStringListModel |
| basetype: | typeinfo for QAbstractListModel |

### 7.5.9.11 Class data for QDirModel

The virtual table for the QDirModel class is described in the generic part of this specification.

The Run Time Type Information for the QDirModel class is described by Table 7-137

**Table 7-137 typeinfo for QDirModel**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QDirModel |
| basetype: | typeinfo for QAbstractItemModel |

### 7.5.9.12 Class data for QStandardItemModel

The virtual table for the QStandardItemModel class is described in the generic part of this specification.

The Run Time Type Information for the QStandardItemModel class is described by Table 7-138

**Table 7-138 typeinfo for QStandardItemModel**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QStandardItemModel |
| basetype: | typeinfo for QAbstractItemModel |

### 7.5.9.13 Class data for QAbstractProxyModel

The virtual table for the QAbstractProxyModel class is described in the generic part of this specification.

The Run Time Type Information for the QAbstractProxyModel class is described by Table 7-139

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**Table 7-139 typeinfo for QAbstractProxyModel**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAbstractProxyModel |
| basetype: | typeinfo for QAbstractItemModel |

### 7.5.9.14 Class data for QSortFilterProxyModel

The virtual table for the QSortFilterProxyModel class is described in the generic part of this specification.

The Run Time Type Information for the QSortFilterProxyModel class is described by Table 7-140

**Table 7-140 typeinfo for QSortFilterProxyModel**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSortFilterProxyModel |
| basetype: | typeinfo for QAbstractProxyModel |

### 7.5.9.15 Class data for QItemDelegate

The virtual table for the QItemDelegate class is described in the generic part of this specification.

The Run Time Type Information for the QItemDelegate class is described by Table 7-141

**Table 7-141 typeinfo for QItemDelegate**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QItemDelegate |
| basetype: | typeinfo for QAbstractItemDelegate |

### 7.5.9.16 Class data for QTableView

The virtual table for the QTableView class is described by Table 7-142

**Table 7-142 Primary vtable for QTableView**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTableView |
| vfunc[0]: | QTableView::metaObject() const |
| vfunc[1]: | QTableView::qt_metacast(char const*) |

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| | |
|---|---|
| vfunc[2]: | QTableView::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QTableView::~QTableView() |
| vfunc[4]: | QTableView::~QTableView() |
| vfunc[5]: | QAbstractItemView::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QTableView::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QAbstractScrollArea::sizeHint() const |
| vfunc[15]: | QAbstractScrollArea::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QAbstractItemView::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QAbstractItemView::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QAbstractItemView::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QAbstractItemView::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QAbstractScrollArea::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QAbstractItemView::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QAbstractItemView::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QAbstractItemView::focusOutEvent(QFocusEvent*) |

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| | |
|---|---|
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QTableView::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QAbstractItemView::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QAbstractScrollArea::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QAbstractItemView::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QAbstractItemView::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QAbstractItemView::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QAbstractItemView::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QFrame::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |

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| | |
|---|---|
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QAbstractItemView::viewportEvent(QEvent*) |
| vfunc[55]: | QTableView::scrollContentsBy(int, int) |
| vfunc[56]: | QTableView::setModel(QAbstractItemModel*) |
| vfunc[57]: | QTableView::setSelectionModel(QItemSelectionModel*) |
| vfunc[58]: | QAbstractItemView::keyboardSearch(QString const&) |
| vfunc[59]: | QTableView::visualRect(QModelIndex const&) const |
| vfunc[60]: | QTableView::scrollTo(QModelIndex const&, QAbstractItemView::ScrollHint) |
| vfunc[61]: | QTableView::indexAt(QPoint const&) const |
| vfunc[62]: | QTableView::sizeHintForRow(int) const |
| vfunc[63]: | QTableView::sizeHintForColumn(int) const |
| vfunc[64]: | QAbstractItemView::reset() |
| vfunc[65]: | QTableView::setRootIndex(QModelIndex const&) |
| vfunc[66]: | QAbstractItemView::doItemsLayout() |
| vfunc[67]: | QAbstractItemView::selectAll() |
| vfunc[68]: | QAbstractItemView::dataChanged(QModelIndex const&, QModelIndex const&) |
| vfunc[69]: | QAbstractItemView::rowsInserted(QModelIndex const&, int, int) |
| vfunc[70]: | QAbstractItemView::rowsAboutToBeRemoved(QModelIndex const&, int, int) |
| vfunc[71]: | QAbstractItemView::selectionChanged(QItemSelection const&, QItemSelection const&) |

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| | |
|---|---|
| vfunc[72]: | QAbstractItemView::currentChanged (QModelIndex const&, QModelIndex const&) |
| vfunc[73]: | QAbstractItemView::updateEditorData() |
| vfunc[74]: | QAbstractItemView::updateEditorGeometries() |
| vfunc[75]: | QTableView::updateGeometries() |
| vfunc[76]: | QTableView::verticalScrollbarAction(int) |
| vfunc[77]: | QTableView::horizontalScrollbarAction(int) |
| vfunc[78]: | QAbstractItemView::verticalScrollbarValueChanged(int) |
| vfunc[79]: | QAbstractItemView::horizontalScrollbarValueChanged(int) |
| vfunc[80]: | QAbstractItemView::closeEditor(QWidget*, QAbstractItemDelegate::EndEditHint) |
| vfunc[81]: | QAbstractItemView::commitData(QWidget*) |
| vfunc[82]: | QAbstractItemView::editorDestroyed(QObject*) |
| vfunc[83]: | QTableView::moveCursor(QAbstractItemView::CursorAction, QFlags<Qt::KeyboardModifier>) |
| vfunc[84]: | QTableView::horizontalOffset() const |
| vfunc[85]: | QTableView::verticalOffset() const |
| vfunc[86]: | QTableView::isIndexHidden(QModelIndex const&) const |
| vfunc[87]: | QTableView::setSelection(QRect const&, QFlags<QItemSelectionModel::SelectionFlag>) |
| vfunc[88]: | QTableView::visualRegionForSelection(QItemSelection const&) const |
| vfunc[89]: | QTableView::selectedIndexes() const |
| vfunc[90]: | QAbstractItemView::edit(QModelIndex const&, QAbstractItemView::EditTrigger, QEvent*) |


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| | |
|---|---|
| vfunc[91]: | QAbstractItemView::selectionCommand(QModelIndex const&, QEvent const*) const |
| vfunc[92]: | QAbstractItemView::startDrag(Qflags<Qt::DropAction>) |
| vfunc[93]: | QTableView::viewOptions() const |

**Table 7-143 Secondary vtable for QTableView**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTableView |
| vfunc[0]: | non-virtual thunk to QTableView::~QTableView() |
| vfunc[1]: | non-virtual thunk to QTableView::~QTableView() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QTableView class is described by Table 7-144

**Table 7-144 typeinfo for QTableView**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTableView |
| basetype: | typeinfo for QAbstractItemView |

### 7.5.9.17 Class data for QTableWidgetItem

The virtual table for the QTableWidgetItem class is described in the generic part of this specification.

The Run Time Type Information for the QTableWidgetItem class is described by Table 7-145

**Table 7-145 typeinfo for QTableWidgetItem**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QTableWidgetItem |

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### 7.5.9.18 Class data for QTableWidget

The virtual table for the QTableWidget class is described by Table 7-146

**Table 7-146 Primary vtable for QTableWidget**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTableWidget |
| vfunc[0]: | QTableWidget::metaObject() const |
| vfunc[1]: | QTableWidget::qt_metacast(char const*) |
| vfunc[2]: | QTableWidget::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QTableWidget::~QTableWidget() |
| vfunc[4]: | QTableWidget::~QTableWidget() |
| vfunc[5]: | QTableWidget::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QTableView::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QAbstractScrollArea::sizeHint() const |
| vfunc[15]: | QAbstractScrollArea::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QAbstractItemView::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QAbstractItemView::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QAbstractItemView::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QAbstractItemView::mouseMoveEvent(QMouseEvent*) |

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| | |
|---|---|
| vfunc[22]: | QAbstractScrollArea::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QAbstractItemView::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QAbstractItemView::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QAbstractItemView::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QTableView::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QAbstractItemView::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QAbstractScrollArea::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QAbstractItemView::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QAbstractItemView::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QAbstractItemView::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QAbstractItemView::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QFrame::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |

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| | |
|---|---|
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QAbstractItemView::viewportEvent(QEvent*) |
| vfunc[55]: | QTableView::scrollContentsBy(int, int) |
| vfunc[56]: | QTableWidget::setModel(QAbstractItemModel*) |
| vfunc[57]: | QTableView::setSelectionModel(QItemSelectionModel*) |
| vfunc[58]: | QAbstractItemView::keyboardSearch(QString const&) |
| vfunc[59]: | QTableView::visualRect(QModelIndex const&) const |
| vfunc[60]: | QTableView::scrollTo(QModelIndex const&, QAbstractItemView::ScrollHint) |
| vfunc[61]: | QTableView::indexAt(QPoint const&) const |
| vfunc[62]: | QTableView::sizeHintForRow(int) const |
| vfunc[63]: | QTableView::sizeHintForColumn(int) const |
| vfunc[64]: | QAbstractItemView::reset() |
| vfunc[65]: | QTableView::setRootIndex(QModelIndex const&) |
| vfunc[66]: | QAbstractItemView::doItemsLayout() |
| vfunc[67]: | QAbstractItemView::selectAll() |
| vfunc[68]: | QAbstractItemView::dataChanged(QModelIndex const&, QModelIndex const&) |

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| | |
|---|---|
| vfunc[69]: | QAbstractItemView::rowsInserted(QModelIndex const&, int, int) |
| vfunc[70]: | QAbstractItemView::rowsAboutToBeRemoved(QModelIndex const&, int, int) |
| vfunc[71]: | QAbstractItemView::selectionChanged(QItemSelection const&, QItemSelection const&) |
| vfunc[72]: | QAbstractItemView::currentChanged(QModelIndex const&, QModelIndex const&) |
| vfunc[73]: | QAbstractItemView::updateEditorData() |
| vfunc[74]: | QAbstractItemView::updateEditorGeometries() |
| vfunc[75]: | QTableView::updateGeometries() |
| vfunc[76]: | QTableView::verticalScrollbarAction(int) |
| vfunc[77]: | QTableView::horizontalScrollbarAction(int) |
| vfunc[78]: | QAbstractItemView::verticalScrollbarValueChanged(int) |
| vfunc[79]: | QAbstractItemView::horizontalScrollbarValueChanged(int) |
| vfunc[80]: | QAbstractItemView::closeEditor(QWidget*, QAbstractItemDelegate::EndEditHint) |
| vfunc[81]: | QAbstractItemView::commitData(QWidget*) |
| vfunc[82]: | QAbstractItemView::editorDestroyed(QObject*) |
| vfunc[83]: | QTableView::moveCursor(QAbstractItemView::CursorAction, QFlags<Qt::KeyboardModifier>) |
| vfunc[84]: | QTableView::horizontalOffset() const |
| vfunc[85]: | QTableView::verticalOffset() const |
| vfunc[86]: | QTableView::isIndexHidden(QModelIndex const&) const |
| vfunc[87]: | QTableView::setSelection(QRect const&, QFlags<QItemSelectionModel::SelectionFlag>) |

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| | |
|---|---|
| vfunc[88]: | QTableView::visualRegionForSelection(QItemSelection const&) const |
| vfunc[89]: | QTableView::selectedIndexes() const |
| vfunc[90]: | QAbstractItemView::edit(QModelIndex const&, QAbstractItemView::EditTrigger, QEvent*) |
| vfunc[91]: | QAbstractItemView::selectionCommand(QModelIndex const&, QEvent const*) const |
| vfunc[92]: | QAbstractItemView::startDrag(QFlags<Qt::DropAction>) |
| vfunc[93]: | QTableView::viewOptions() const |
| vfunc[94]: | QTableWidget::mimeTypes() const |
| vfunc[95]: | QTableWidget::mimeData(QList<QTableWidgetItem*>) const |
| vfunc[96]: | QTableWidget::dropMimeData(int, int, QMimeData const*, Qt::DropAction) |
| vfunc[97]: | QTableWidget::supportedDropActions() const |

**Table 7-147 Secondary vtable for QTableWidget**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTableWidget |
| vfunc[0]: | non-virtual thunk to QTableWidget::~QTableWidget() |
| vfunc[1]: | non-virtual thunk to QTableWidget::~QTableWidget() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QTableWidget class is described by Table 7-148

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**Table 7-148 typeinfo for QTableWidget**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTableWidget |
| basetype: | typeinfo for QTableView |

### 7.5.9.19 Class data for QTreeView

The virtual table for the QTreeView class is described by Table 7-149

**Table 7-149 Primary vtable for QTreeView**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTreeView |
| vfunc[0]: | QTreeView::metaObject() const |
| vfunc[1]: | QTreeView::qt_metacast(char const*) |
| vfunc[2]: | QTreeView::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QTreeView::~QTreeView() |
| vfunc[4]: | QTreeView::~QTreeView() |
| vfunc[5]: | QAbstractItemView::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QTreeView::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QAbstractScrollArea::sizeHint() const |
| vfunc[15]: | QAbstractScrollArea::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QTreeView::mousePressEvent(QMouseEvent*) |

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| | |
|---|---|
| vfunc[19]: | QTreeView::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QTreeView::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QAbstractItemView::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QAbstractScrollArea::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QAbstractItemView::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QAbstractItemView::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QAbstractItemView::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QTreeView::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QAbstractItemView::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QAbstractScrollArea::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QAbstractItemView::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QAbstractItemView::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QAbstractItemView::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QAbstractItemView::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |

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| | |
|---|---|
| vfunc[43]: | QFrame::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QAbstractItemView::viewportEvent(QEvent*) |
| vfunc[55]: | QTreeView::scrollContentsBy(int, int) |
| vfunc[56]: | QTreeView::setModel(QAbstractItemModel*) |
| vfunc[57]: | QTreeView::setSelectionModel(QItemSelectionModel*) |
| vfunc[58]: | QTreeView::keyboardSearch(QString const&) |
| vfunc[59]: | QTreeView::visualRect(QModelIndex const&) const |
| vfunc[60]: | QTreeView::scrollTo(QModelIndex const&, QAbstractItemView::ScrollHint) |
| vfunc[61]: | QTreeView::indexAt(QPoint const&) const |
| vfunc[62]: | QAbstractItemView::sizeHintForRow(int) const |
| vfunc[63]: | QTreeView::sizeHintForColumn(int) const |
| vfunc[64]: | QTreeView::reset() |
| vfunc[65]: | QTreeView::setRootIndex(QModelIndex const&) |
| vfunc[66]: | QTreeView::doItemsLayout() |

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| | |
|---|---|
| vfunc[67]: | QTreeView::selectAll() |
| vfunc[68]: | QTreeView::dataChanged(QModelIndex const&, QModelIndex const&) |
| vfunc[69]: | QTreeView::rowsInserted(QModelIndex const&, int, int) |
| vfunc[70]: | QTreeView::rowsAboutToBeRemoved(QModelIndex const&, int, int) |
| vfunc[71]: | QAbstractItemView::selectionChanged(QItemSelection const&, QItemSelection const&) |
| vfunc[72]: | QAbstractItemView::currentChanged(QModelIndex const&, QModelIndex const&) |
| vfunc[73]: | QAbstractItemView::updateEditorData() |
| vfunc[74]: | QAbstractItemView::updateEditorGeometries() |
| vfunc[75]: | QTreeView::updateGeometries() |
| vfunc[76]: | QAbstractItemView::verticalScrollbarAction(int) |
| vfunc[77]: | QTreeView::horizontalScrollbarAction(int) |
| vfunc[78]: | QAbstractItemView::verticalScrollbarValueChanged(int) |
| vfunc[79]: | QAbstractItemView::horizontalScrollbarValueChanged(int) |
| vfunc[80]: | QAbstractItemView::closeEditor(QWidget*, QAbstractItemDelegate::EndEditHint) |
| vfunc[81]: | QAbstractItemView::commitData(QWidget*) |
| vfunc[82]: | QAbstractItemView::editorDestroyed(QObject*) |
| vfunc[83]: | QTreeView::moveCursor(QAbstractItemView::CursorAction, QFlags<Qt::KeyboardModifier>) |
| vfunc[84]: | QTreeView::horizontalOffset() const |
| vfunc[85]: | QTreeView::verticalOffset() const |
| vfunc[86]: | QTreeView::isIndexHidden(QModelIndex const&) const |
| vfunc[87]: | QTreeView::setSelection(QRect const&, |

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| | |
|---|---|
| | QFlags<QItemSelectionModel::SelectionFlag>) |
| vfunc[88]: | QTreeView::visualRegionForSelection(QItemSelection const&) const |
| vfunc[89]: | QTreeView::selectedIndexes() const |
| vfunc[90]: | QAbstractItemView::edit(QModelIndex const&, QAbstractItemView::EditTrigger, QEvent*) |
| vfunc[91]: | QAbstractItemView::selectionCommand(QModelIndex const&, QEvent const*) const |
| vfunc[92]: | QAbstractItemView::startDrag(QFlags<Qt::DropAction>) |
| vfunc[93]: | QAbstractItemView::viewOptions() const |
| vfunc[94]: | QTreeView::drawRow(QPainter*, QStyleOptionViewItem const&, QModelIndex const&) const |
| vfunc[95]: | QTreeView::drawBranches(QPainter*, QRect const&, QModelIndex const&) const |

**Table 7-150 Secondary vtable for QTreeView**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTreeView |
| vfunc[0]: | non-virtual thunk to QTreeView::~QTreeView() |
| vfunc[1]: | non-virtual thunk to QTreeView::~QTreeView() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QTreeView class is described by Table 7-151

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**Table 7-151 typeinfo for QTreeView**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTreeView |
| basetype: | typeinfo for QAbstractItemView |

### 7.5.9.20 Class data for QProxyModel

The virtual table for the QProxyModel class is described in the generic part of this specification.

The Run Time Type Information for the QProxyModel class is described by Table 7-152

**Table 7-152 typeinfo for QProxyModel**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QProxyModel |
| basetype: | typeinfo for QAbstractItemModel |

### 7.5.9.21 Class data for QHeaderView

The virtual table for the QHeaderView class is described by Table 7-153

**Table 7-153 Primary vtable for QHeaderView**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QHeaderView |
| vfunc[0]: | QHeaderView::metaObject() const |
| vfunc[1]: | QHeaderView::qt_metacast(char const*) |
| vfunc[2]: | QHeaderView::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QHeaderView::~QHeaderView() |
| vfunc[4]: | QHeaderView::~QHeaderView() |
| vfunc[5]: | QHeaderView::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QAbstractItemView::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |


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| | |
|---|---|
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QHeaderView::sizeHint() const |
| vfunc[15]: | QAbstractScrollArea::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QHeaderView::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QHeaderView::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QHeaderView::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QHeaderView::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QAbstractScrollArea::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QAbstractItemView::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QAbstractItemView::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QAbstractItemView::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QHeaderView::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QAbstractItemView::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QAbstractScrollArea::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |

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| | |
|---|---|
| vfunc[35]: | QWidget::actionEvent(QActionEvent *) |
| vfunc[36]: | QAbstractItemView::dragEnterEvent (QDragEnterEvent*) |
| vfunc[37]: | QAbstractItemView::dragMoveEvent (QDragMoveEvent*) |
| vfunc[38]: | QAbstractItemView::dragLeaveEvent (QDragLeaveEvent*) |
| vfunc[39]: | QAbstractItemView::dropEvent(QDr opEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QFrame::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::Paint DeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInput MethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::In putMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange( bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QHeaderView::viewportEvent(QEve nt*) |
| vfunc[55]: | QHeaderView::scrollContentsBy(int, int) |
| vfunc[56]: | QHeaderView::setModel(QAbstractIt emModel*) |
| vfunc[57]: | QAbstractItemView::setSelectionMo del(QItemSelectionModel*) |
| vfunc[58]: | QAbstractItemView::keyboardSearch (QString const&) |

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| | |
|---|---|
| vfunc[59]: | QHeaderView::visualRect(QModelIndex const&) const |
| vfunc[60]: | QHeaderView::scrollTo(QModelIndex const&, QAbstractItemView::ScrollHint) |
| vfunc[61]: | QHeaderView::indexAt(QPoint const&) const |
| vfunc[62]: | QAbstractItemView::sizeHintForRow(int) const |
| vfunc[63]: | QAbstractItemView::sizeHintForColumn(int) const |
| vfunc[64]: | QAbstractItemView::reset() |
| vfunc[65]: | QAbstractItemView::setRootIndex(QModelIndex const&) |
| vfunc[66]: | QHeaderView::doItemsLayout() |
| vfunc[67]: | QAbstractItemView::selectAll() |
| vfunc[68]: | QHeaderView::dataChanged(QModelIndex const&, QModelIndex const&) |
| vfunc[69]: | QHeaderView::rowsInserted(QModelIndex const&, int, int) |
| vfunc[70]: | QAbstractItemView::rowsAboutToBeRemoved(QModelIndex const&, int, int) |
| vfunc[71]: | QAbstractItemView::selectionChanged(QItemSelection const&, QItemSelection const&) |
| vfunc[72]: | QHeaderView::currentChanged(QModelIndex const&, QModelIndex const&) |
| vfunc[73]: | QAbstractItemView::updateEditorData() |
| vfunc[74]: | QAbstractItemView::updateEditorGeometries() |
| vfunc[75]: | QHeaderView::updateGeometries() |
| vfunc[76]: | QAbstractItemView::verticalScrollbarAction(int) |
| vfunc[77]: | QAbstractItemView::horizontalScrollbarAction(int) |
| vfunc[78]: | QAbstractItemView::verticalScrollbarValueChanged(int) |
| vfunc[79]: | QAbstractItemView::horizontalScrollbarValueChanged(int) |

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| | |
|---|---|
| vfunc[80]: | QAbstractItemView::closeEditor(QWidget*, QAbstractItemDelegate::EndEditHint) |
| vfunc[81]: | QAbstractItemView::commitData(QWidget*) |
| vfunc[82]: | QAbstractItemView::editorDestroyed(QObject*) |
| vfunc[83]: | QHeaderView::moveCursor(QAbstractItemView::CursorAction, QFlags<Qt::KeyboardModifier>) |
| vfunc[84]: | QHeaderView::horizontalOffset() const |
| vfunc[85]: | QHeaderView::verticalOffset() const |
| vfunc[86]: | QHeaderView::isIndexHidden(QModelIndex const&) const |
| vfunc[87]: | QHeaderView::setSelection(QRect const&, QFlags<QItemSelectionModel::SelectionFlag>) |
| vfunc[88]: | QHeaderView::visualRegionForSelection(QItemSelection const&) const |
| vfunc[89]: | QAbstractItemView::selectedIndexes() const |
| vfunc[90]: | QAbstractItemView::edit(QModelIndex const&, QAbstractItemView::EditTrigger, QEvent*) |
| vfunc[91]: | QAbstractItemView::selectionCommand(QModelIndex const&, QEvent const*) const |
| vfunc[92]: | QAbstractItemView::startDrag(QFlags<Qt::DropAction>) |
| vfunc[93]: | QAbstractItemView::viewOptions() const |
| vfunc[94]: | QHeaderView::paintSection(QPainter*, QRect const&, int) const |
| vfunc[95]: | QHeaderView::sectionSizeFromContents(int) const |

**Table 7-154 Secondary vtable for QHeaderView**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |

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| | |
|---|---|
| RTTI | typeinfo for QHeaderView |
| vfunc[0]: | non-virtual thunk to QHeaderView::~QHeaderView() |
| vfunc[1]: | non-virtual thunk to QHeaderView::~QHeaderView() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QHeaderView class is described by Table 7-155

**Table 7-155 typeinfo for QHeaderView**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QHeaderView |
| basetype: | typeinfo for QAbstractItemView |

### 7.5.9.22 Class data for QItemEditorFactory

The virtual table for the QItemEditorFactory class is described in the generic part of this specification.

The Run Time Type Information for the QItemEditorFactory class is described by Table 7-156

**Table 7-156 typeinfo for QItemEditorFactory**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QItemEditorFactory |

### 7.5.9.23 Class data for QTreeWidgetItem

The virtual table for the QTreeWidgetItem class is described in the generic part of this specification.

The Run Time Type Information for the QTreeWidgetItem class is described by Table 7-157

**Table 7-157 typeinfo for QTreeWidgetItem**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QTreeWidgetItem |

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### 7.5.9.24 Class data for QTreeWidget

The virtual table for the QTreeWidget class is described by Table 7-158

**Table 7-158 Primary vtable for QTreeWidget**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTreeWidget |
| vfunc[0]: | QTreeWidget::metaObject() const |
| vfunc[1]: | QTreeWidget::qt_metacast(char const*) |
| vfunc[2]: | QTreeWidget::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QTreeWidget::~QTreeWidget() |
| vfunc[4]: | QTreeWidget::~QTreeWidget() |
| vfunc[5]: | QTreeWidget::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QTreeView::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QAbstractScrollArea::sizeHint() const |
| vfunc[15]: | QAbstractScrollArea::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QTreeView::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QTreeView::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QTreeView::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QAbstractItemView::mouseMoveEvent(QMouseEvent*) |

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| | |
|---|---|
| vfunc[22]: | QAbstractScrollArea::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QAbstractItemView::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QAbstractItemView::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QAbstractItemView::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QTreeView::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QAbstractItemView::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QAbstractScrollArea::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QAbstractItemView::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QAbstractItemView::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QAbstractItemView::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QAbstractItemView::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QFrame::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |

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| | |
|---|---|
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QAbstractItemView::viewportEvent(QEvent*) |
| vfunc[55]: | QTreeView::scrollContentsBy(int, int) |
| vfunc[56]: | QTreeWidget::setModel(QAbstractItemModel*) |
| vfunc[57]: | QTreeView::setSelectionModel(QItemSelectionModel*) |
| vfunc[58]: | QTreeView::keyboardSearch(QString const&) |
| vfunc[59]: | QTreeView::visualRect(QModelIndex const&) const |
| vfunc[60]: | QTreeView::scrollTo(QModelIndex const&, QAbstractItemView::ScrollHint) |
| vfunc[61]: | QTreeView::indexAt(QPoint const&) const |
| vfunc[62]: | QAbstractItemView::sizeHintForRow(int) const |
| vfunc[63]: | QTreeView::sizeHintForColumn(int) const |
| vfunc[64]: | QTreeView::reset() |
| vfunc[65]: | QTreeView::setRootIndex(QModelIndex const&) |
| vfunc[66]: | QTreeView::doItemsLayout() |
| vfunc[67]: | QTreeView::selectAll() |
| vfunc[68]: | QTreeView::dataChanged(QModelIndex const&, QModelIndex const&) |
| vfunc[69]: | QTreeView::rowsInserted(QModelIndex const&, int, int) |

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| | |
|---|---|
| vfunc[70]: | QTreeView::rowsAboutToBeRemoved(QModelIndex const&, int, int) |
| vfunc[71]: | QAbstractItemView::selectionChanged(QItemSelection const&, QItemSelection const&) |
| vfunc[72]: | QAbstractItemView::currentChanged(QModelIndex const&, QModelIndex const&) |
| vfunc[73]: | QAbstractItemView::updateEditorData() |
| vfunc[74]: | QAbstractItemView::updateEditorGeometries() |
| vfunc[75]: | QTreeView::updateGeometries() |
| vfunc[76]: | QAbstractItemView::verticalScrollbarAction(int) |
| vfunc[77]: | QTreeView::horizontalScrollbarAction(int) |
| vfunc[78]: | QAbstractItemView::verticalScrollbarValueChanged(int) |
| vfunc[79]: | QAbstractItemView::horizontalScrollbarValueChanged(int) |
| vfunc[80]: | QAbstractItemView::closeEditor(QWidget*, QAbstractItemDelegate::EndEditHint) |
| vfunc[81]: | QAbstractItemView::commitData(QWidget*) |
| vfunc[82]: | QAbstractItemView::editorDestroyed(QObject*) |
| vfunc[83]: | QTreeView::moveCursor(QAbstractItemView::CursorAction, QFlags<Qt::KeyboardModifier>) |
| vfunc[84]: | QTreeView::horizontalOffset() const |
| vfunc[85]: | QTreeView::verticalOffset() const |
| vfunc[86]: | QTreeView::isIndexHidden(QModelIndex const&) const |
| vfunc[87]: | QTreeView::setSelection(QRect const&, QFlags<QItemSelectionModel::SelectionFlag>) |
| vfunc[88]: | QTreeView::visualRegionForSelection(QItemSelection const&) const |
| vfunc[89]: | QTreeView::selectedIndexes() const |

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| | |
|---|---|
| vfunc[90]: | QAbstractItemView::edit(QModelIndex const&, QAbstractItemView::EditTrigger, QEvent*) |
| vfunc[91]: | QAbstractItemView::selectionCommand(QModelIndex const&, QEvent const*) const |
| vfunc[92]: | QAbstractItemView::startDrag(Qflags<Qt::DropAction>) |
| vfunc[93]: | QAbstractItemView::viewOptions() const |
| vfunc[94]: | QTreeView::drawRow(QPainter*, QStyleOptionViewItem const&, QModelIndex const&) const |
| vfunc[95]: | QTreeView::drawBranches(QPainter*, QRect const&, QModelIndex const&) const |
| vfunc[96]: | QTreeWidget::mimeTypes() const |
| vfunc[97]: | QTreeWidget::mimeData(QList<QTreeWidgetItem*>) const |
| vfunc[98]: | QTreeWidget::dropMimeData(QTreeWidgetItem*, int, QMimeData const*, Qt::DropAction) |
| vfunc[99]: | QTreeWidget::supportedDropActions() const |

**Table 7-159 Secondary vtable for QTreeWidget**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTreeWidget |
| vfunc[0]: | non-virtual thunk to QTreeWidget::~QTreeWidget() |
| vfunc[1]: | non-virtual thunk to QTreeWidget::~QTreeWidget() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QTreeWidget class is described by Table 7-160

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**Table 7-160 typeinfo for QTreeWidget**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTreeWidget |
| basetype: | typeinfo for QTreeView |

### 7.5.9.25 Class data for QAbstractButton

The virtual table for the QAbstractButton class is described by Table 7-161

**Table 7-161 Primary vtable for QAbstractButton**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QAbstractButton |
| vfunc[0]: | QAbstractButton::metaObject() const |
| vfunc[1]: | QAbstractButton::qt_metacast(char const*) |
| vfunc[2]: | QAbstractButton::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QAbstractButton::~QAbstractButton() |
| vfunc[4]: | QAbstractButton::~QAbstractButton() |
| vfunc[5]: | QAbstractButton::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QAbstractButton::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QWidget::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |

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| | |
|---|---|
| vfunc[18]: | QAbstractButton::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QAbstractButton::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QAbstractButton::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QAbstractButton::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QAbstractButton::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QAbstractButton::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QAbstractButton::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | __cxa_pure_virtual |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |

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| | |
|---|---|
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QAbstractButton::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QAbstractButton::hitButton(QPoint const&) const |
| vfunc[55]: | QAbstractButton::checkStateSet() |
| vfunc[56]: | QAbstractButton::nextCheckState() |

**Table 7-162 Secondary vtable for QAbstractButton**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QAbstractButton |
| vfunc[0]: | non-virtual thunk to QAbstractButton::~QAbstractButton() |
| vfunc[1]: | non-virtual thunk to QAbstractButton::~QAbstractButton() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

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The Run Time Type Information for the QAbstractButton class is described by Table 7-163

**Table 7-163 typeinfo for QAbstractButton**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAbstractButton |
| basetype: | typeinfo for QWidget |

### 7.5.9.26 Class data for QAbstractGraphicsShapeItem

The virtual table for the QAbstractGraphicsShapeItem class is described in the generic part of this specification.

### 7.5.9.27 Class data for QCompleter

The virtual table for the QCompleter class is described in the generic part of this specification.

### 7.5.9.28 Class data for QDataWidgetMapper

The virtual table for the QDataWidgetMapper class is described in the generic part of this specification.

### 7.5.9.29 Class data for QStandardItem

The virtual table for the QStandardItem class is described in the generic part of this specification.

### 7.5.9.30 Interfaces for Qt4 Models and Views

An LSB conforming implementation shall provide the architecture specific functions for Qt4 Models and Views specified in Table 7-164, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-164 libQtGui - Qt4 Models and Views Function Interfaces**

| | |
|---|---|
| _ZThn8_N10QTableViewD0Ev [CXXABI-1.86] | _ZThn8_N10QTableViewD1Ev [CXXABI-1.86] |
| _ZThn8_N11QHeaderViewD0Ev [CXXABI-1.86] | _ZThn8_N11QHeaderViewD1Ev [CXXABI-1.86] |
| _ZThn8_N11QTreeWidgetD0Ev [CXXABI-1.86] | _ZThn8_N11QTreeWidgetD1Ev [CXXABI-1.86] |
| _ZThn8_N12QTableWidgetD0Ev [CXXABI-1.86] | _ZThn8_N12QTableWidgetD1Ev [CXXABI-1.86] |
| _ZThn8_N15QAbstractButtonD0Ev [CXXABI-1.86] | _ZThn8_N15QAbstractButtonD1Ev [CXXABI-1.86] |
| _ZThn8_N15QAbstractSliderD0Ev [CXXABI-1.86] | _ZThn8_N15QAbstractSliderD1Ev [CXXABI-1.86] |
| _ZThn8_N16QAbstractSpinBoxD0Ev [CXXABI-1.86] | _ZThn8_N16QAbstractSpinBoxD1Ev [CXXABI-1.86] |

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| | |
|---|---|
| _ZThn8_N17QAbstractItemViewD0Ev [CXXABI-1.86] | _ZThn8_N17QAbstractItemViewD1Ev [CXXABI-1.86] |
| _ZThn8_N19QAbstractScrollAreaD0Ev [CXXABI-1.86] | _ZThn8_N19QAbstractScrollAreaD1Ev [CXXABI-1.86] |
| _ZThn8_N9QTreeViewD0Ev [CXXABI-1.86] | _ZThn8_N9QTreeViewD1Ev [CXXABI-1.86] |

## 7.5.10 Qt4 Dialogs

### 7.5.10.1 Class data for QDialog

The virtual table for the QDialog class is described by Table 7-165

**Table 7-165 Primary vtable for QDialog**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QDialog |
| vfunc[0]: | QDialog::metaObject() const |
| vfunc[1]: | QDialog::qt_metacast(char const*) |
| vfunc[2]: | QDialog::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QDialog::~QDialog() |
| vfunc[4]: | QDialog::~QDialog() |
| vfunc[5]: | QWidget::event(QEvent*) |
| vfunc[6]: | QDialog::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QDialog::setVisible(bool) |
| vfunc[14]: | QDialog::sizeHint() const |
| vfunc[15]: | QDialog::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |

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| | |
|---|---|
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QDialog::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QDialog::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QDialog::closeEvent(QCloseEvent*) |
| vfunc[33]: | QDialog::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QDialog::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |

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| | |
|---|---|
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QDialog::done(int) |
| vfunc[55]: | QDialog::accept() |
| vfunc[56]: | QDialog::reject() |

**Table 7-166 Secondary vtable for QDialog**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QDialog |
| vfunc[0]: | non-virtual thunk to QDialog::~QDialog() |
| vfunc[1]: | non-virtual thunk to QDialog::~QDialog() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QDialog class is described by Table 7-167

**Table 7-167 typeinfo for QDialog**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QDialog |

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| | |
|---|---|
| basetype: | typeinfo for QWidget |

### 7.5.10.2 Class data for QColorDialog

The virtual table for the QColorDialog class is described by Table 7-168

**Table 7-168 Primary vtable for QColorDialog**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QColorDialog |
| vfunc[0]: | QColorDialog::metaObject() const |
| vfunc[1]: | QColorDialog::qt_metacast(char const*) |
| vfunc[2]: | QColorDialog::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QColorDialog::~QColorDialog() |
| vfunc[4]: | QColorDialog::~QColorDialog() |
| vfunc[5]: | QWidget::event(QEvent*) |
| vfunc[6]: | QDialog::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QDialog::setVisible(bool) |
| vfunc[14]: | QDialog::sizeHint() const |
| vfunc[15]: | QDialog::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |

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| | |
|---|---|
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent *) |
| vfunc[23]: | QDialog::keyPressEvent(QKeyEvent* ) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent *) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QDialog::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QDialog::closeEvent(QCloseEvent*) |
| vfunc[33]: | QDialog::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent* ) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent *) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QDialog::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |

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| | |
|---|---|
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QDialog::done(int) |
| vfunc[55]: | QDialog::accept() |
| vfunc[56]: | QDialog::reject() |

**Table 7-169 Secondary vtable for QColorDialog**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QColorDialog |
| vfunc[0]: | non-virtual thunk to QColorDialog::~QColorDialog() |
| vfunc[1]: | non-virtual thunk to QColorDialog::~QColorDialog() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QColorDialog class is described by Table 7-170

**Table 7-170 typeinfo for QColorDialog**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QColorDialog |
| basetype: | typeinfo for QDialog |

### 7.5.10.3 Class data for QFontDialog

The virtual table for the QFontDialog class is described by Table 7-171

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**Table 7-171 Primary vtable for QFontDialog**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QFontDialog |
| vfunc[0]: | QFontDialog::metaObject() const |
| vfunc[1]: | QFontDialog::qt_metacast(char const*) |
| vfunc[2]: | QFontDialog::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QFontDialog::~QFontDialog() |
| vfunc[4]: | QFontDialog::~QFontDialog() |
| vfunc[5]: | QWidget::event(QEvent*) |
| vfunc[6]: | QFontDialog::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QDialog::setVisible(bool) |
| vfunc[14]: | QDialog::sizeHint() const |
| vfunc[15]: | QDialog::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QDialog::keyPressEvent(QKeyEvent*) |

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| | |
|---|---|
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QDialog::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QDialog::closeEvent(QCloseEvent*) |
| vfunc[33]: | QDialog::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QDialog::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |

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| | |
|---|---|
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QDialog::done(int) |
| vfunc[55]: | QDialog::accept() |
| vfunc[56]: | QDialog::reject() |

**Table 7-172 Secondary vtable for QFontDialog**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QFontDialog |
| vfunc[0]: | non-virtual thunk to QFontDialog::~QFontDialog() |
| vfunc[1]: | non-virtual thunk to QFontDialog::~QFontDialog() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QFontDialog class is described by Table 7-173

**Table 7-173 typeinfo for QFontDialog**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QFontDialog |
| basetype: | typeinfo for QDialog |

### 7.5.10.4 Class data for QMessageBox

The virtual table for the QMessageBox class is described by Table 7-174

**Table 7-174 Primary vtable for QMessageBox**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |

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| | |
|---|---|
| RTTI | typeinfo for QMessageBox |
| vfunc[0]: | QMessageBox::metaObject() const |
| vfunc[1]: | QMessageBox::qt_metacast(char const*) |
| vfunc[2]: | QMessageBox::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QMessageBox::~QMessageBox() |
| vfunc[4]: | QMessageBox::~QMessageBox() |
| vfunc[5]: | QWidget::event(QEvent*) |
| vfunc[6]: | QDialog::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QDialog::setVisible(bool) |
| vfunc[14]: | QMessageBox::sizeHint() const |
| vfunc[15]: | QDialog::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QMessageBox::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |

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| | |
|---|---|
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QMessageBox::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QMessageBox::closeEvent(QCloseEvent*) |
| vfunc[33]: | QDialog::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QMessageBox::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QMessageBox::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |

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| | |
|---|---|
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QDialog::done(int) |
| vfunc[55]: | QDialog::accept() |
| vfunc[56]: | QDialog::reject() |

**Table 7-175 Secondary vtable for QMessageBox**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QMessageBox |
| vfunc[0]: | non-virtual thunk to QMessageBox::~QMessageBox() |
| vfunc[1]: | non-virtual thunk to QMessageBox::~QMessageBox() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QMessageBox class is described by Table 7-176

**Table 7-176 typeinfo for QMessageBox**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QMessageBox |
| basetype: | typeinfo for QDialog |

### 7.5.10.5 Class data for QProgressDialog

The virtual table for the QProgressDialog class is described by Table 7-177

**Table 7-177 Primary vtable for QProgressDialog**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QProgressDialog |
| vfunc[0]: | QProgressDialog::metaObject() const |

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| | |
|---|---|
| vfunc[1]: | QProgressDialog::qt_metacast(char const*) |
| vfunc[2]: | QProgressDialog::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QProgressDialog::~QProgressDialog() |
| vfunc[4]: | QProgressDialog::~QProgressDialog() |
| vfunc[5]: | QWidget::event(QEvent*) |
| vfunc[6]: | QDialog::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QDialog::setVisible(bool) |
| vfunc[14]: | QProgressDialog::sizeHint() const |
| vfunc[15]: | QDialog::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QDialog::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |

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| | |
|---|---|
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QProgressDialog::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QProgressDialog::closeEvent(QCloseEvent*) |
| vfunc[33]: | QDialog::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QProgressDialog::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QProgressDialog::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |


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| | |
|---|---|
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QDialog::done(int) |
| vfunc[55]: | QDialog::accept() |
| vfunc[56]: | QDialog::reject() |

**Table 7-178 Secondary vtable for QProgressDialog**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QProgressDialog |
| vfunc[0]: | non-virtual thunk to QProgressDialog::~QProgressDialog() |
| vfunc[1]: | non-virtual thunk to QProgressDialog::~QProgressDialog() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QProgressDialog class is described by Table 7-179

**Table 7-179 typeinfo for QProgressDialog**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QProgressDialog |
| basetype: | typeinfo for QDialog |

### 7.5.10.6 Class data for QErrorMessage

The virtual table for the QErrorMessage class is described by Table 7-180

**Table 7-180 Primary vtable for QErrorMessage**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QErrorMessage |

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| | |
|---|---|
| vfunc[0]: | QErrorMessage::metaObject() const |
| vfunc[1]: | QErrorMessage::qt_metacast(char const*) |
| vfunc[2]: | QErrorMessage::qt_metacall(QMeta Object::Call, int, void**) |
| vfunc[3]: | QErrorMessage::~QErrorMessage() |
| vfunc[4]: | QErrorMessage::~QErrorMessage() |
| vfunc[5]: | QWidget::event(QEvent*) |
| vfunc[6]: | QDialog::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QDialog::setVisible(bool) |
| vfunc[14]: | QDialog::sizeHint() const |
| vfunc[15]: | QDialog::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouse Event*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMou seEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent( QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMous eEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent *) |
| vfunc[23]: | QDialog::keyPressEvent(QKeyEvent* ) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEve nt*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent *) |

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| | |
|---|---|
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QDialog::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QDialog::closeEvent(QCloseEvent*) |
| vfunc[33]: | QDialog::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QDialog::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |

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| | |
|---|---|
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QErrorMessage::done(int) |
| vfunc[55]: | QDialog::accept() |
| vfunc[56]: | QDialog::reject() |

**Table 7-181 Secondary vtable for QErrorMessage**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QErrorMessage |
| vfunc[0]: | non-virtual thunk to QErrorMessage::~QErrorMessage() |
| vfunc[1]: | non-virtual thunk to QErrorMessage::~QErrorMessage() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QErrorMessage class is described by Table 7-182

**Table 7-182 typeinfo for QErrorMessage**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QErrorMessage |
| basetype: | typeinfo for QDialog |

### 7.5.10.7 Class data for QFileDialog

The virtual table for the QFileDialog class is described by Table 7-183

**Table 7-183 Primary vtable for QFileDialog**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QFileDialog |
| vfunc[0]: | QFileDialog::metaObject() const |
| vfunc[1]: | QFileDialog::qt_metacast(char const*) |

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| | |
|---|---|
| vfunc[2]: | QFileDialog::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QFileDialog::~QFileDialog() |
| vfunc[4]: | QFileDialog::~QFileDialog() |
| vfunc[5]: | QWidget::event(QEvent*) |
| vfunc[6]: | QDialog::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QDialog::setVisible(bool) |
| vfunc[14]: | QDialog::sizeHint() const |
| vfunc[15]: | QDialog::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QDialog::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |

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| | |
|---|---|
| vfunc[29]: | QWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QDialog::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QDialog::closeEvent(QCloseEvent*) |
| vfunc[33]: | QDialog::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QDialog::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QFileDialog::done(int) |
| vfunc[55]: | QFileDialog::accept() |

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| | |
|---|---|
| vfunc[56]: | QDialog::reject() |

**Table 7-184 Secondary vtable for QFileDialog**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QFileDialog |
| vfunc[0]: | non-virtual thunk to QFileDialog::~QFileDialog() |
| vfunc[1]: | non-virtual thunk to QFileDialog::~QFileDialog() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QFileDialog class is described by Table 7-185

**Table 7-185 typeinfo for QFileDialog**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QFileDialog |
| basetype: | typeinfo for QDialog |

### 7.5.10.8 Class data for QPrintDialog

The virtual table for the QPrintDialog class is described by Table 7-186

**Table 7-186 Primary vtable for QPrintDialog**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QPrintDialog |
| vfunc[0]: | QPrintDialog::metaObject() const |
| vfunc[1]: | QPrintDialog::qt_metacast(char const*) |
| vfunc[2]: | QPrintDialog::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QPrintDialog::~QPrintDialog() |
| vfunc[4]: | QPrintDialog::~QPrintDialog() |

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| | |
|---|---|
| vfunc[5]: | QWidget::event(QEvent*) |
| vfunc[6]: | QDialog::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QDialog::setVisible(bool) |
| vfunc[14]: | QDialog::sizeHint() const |
| vfunc[15]: | QDialog::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QDialog::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QDialog::resizeEvent(QResizeEvent*) |

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| | |
|---|---|
| vfunc[32]: | QDialog::closeEvent(QCloseEvent*) |
| vfunc[33]: | QDialog::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QDialog::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QDialog::done(int) |
| vfunc[55]: | QDialog::accept() |
| vfunc[56]: | QDialog::reject() |
| vfunc[57]: | QPrintDialog::exec() |

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**Table 7-187 Secondary vtable for QPrintDialog**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QPrintDialog |
| vfunc[0]: | non-virtual thunk to QPrintDialog::~QPrintDialog() |
| vfunc[1]: | non-virtual thunk to QPrintDialog::~QPrintDialog() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QPrintDialog class is described by Table 7-188

**Table 7-188 typeinfo for QPrintDialog**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QPrintDialog |
| basetype: | typeinfo for QAbstractPrintDialog |

### 7.5.10.9 Class data for QPageSetupDialog

The virtual table for the QPageSetupDialog class is described by Table 7-189

**Table 7-189 Primary vtable for QPageSetupDialog**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QPageSetupDialog |
| vfunc[0]: | QDialog::metaObject() const |
| vfunc[1]: | QDialog::qt_metacast(char const*) |
| vfunc[2]: | QDialog::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | NULL or QPageSetupDialog::~QPageSetupDialog() |
| vfunc[4]: | NULL or QPageSetupDialog::~QPageSetupDialog() |

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| | |
|---|---|
| vfunc[5]: | QWidget::event(QEvent*) |
| vfunc[6]: | QDialog::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QDialog::setVisible(bool) |
| vfunc[14]: | QDialog::sizeHint() const |
| vfunc[15]: | QDialog::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QDialog::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QDialog::resizeEvent(QResizeEvent*) |

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| | |
|---|---|
| vfunc[32]: | QDialog::closeEvent(QCloseEvent*) |
| vfunc[33]: | QDialog::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QDialog::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QDialog::done(int) |
| vfunc[55]: | QDialog::accept() |
| vfunc[56]: | QDialog::reject() |
| vfunc[57]: | QPageSetupDialog::exec() |

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**Table 7-190 Secondary vtable for QPageSetupDialog**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QPageSetupDialog |
| vfunc[0]: | NULL or non-virtual thunk to QPageSetupDialog::~QPageSetupDialog() |
| vfunc[1]: | NULL or non-virtual thunk to QPageSetupDialog::~QPageSetupDialog() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QPageSetupDialog class is described by Table 7-191

**Table 7-191 typeinfo for QPageSetupDialog**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QPageSetupDialog |
| basetype: | typeinfo for QAbstractPageSetupDialog |

### 7.5.10.10 Class data for QInputDialog

The virtual table for the QInputDialog class is described by Table 7-192

**Table 7-192 Primary vtable for QInputDialog**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QInputDialog |
| vfunc[0]: | QInputDialog::metaObject() const |
| vfunc[1]: | QInputDialog::qt_metacast(char const*) |
| vfunc[2]: | QInputDialog::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QInputDialog::~QInputDialog() |
| vfunc[4]: | QInputDialog::~QInputDialog() |

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| | |
|---|---|
| vfunc[5]: | QWidget::event(QEvent*) |
| vfunc[6]: | QDialog::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QDialog::setVisible(bool) |
| vfunc[14]: | QDialog::sizeHint() const |
| vfunc[15]: | QDialog::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QDialog::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QDialog::resizeEvent(QResizeEvent*) |

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| | |
|---|---|
| vfunc[32]: | QDialog::closeEvent(QCloseEvent*) |
| vfunc[33]: | QDialog::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QDialog::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QDialog::done(int) |
| vfunc[55]: | QDialog::accept() |
| vfunc[56]: | QDialog::reject() |

**Table 7-193 Secondary vtable for QInputDialog**

| | |
|---|---|
| Base Offset | -8 |

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| | |
|---|---|
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QInputDialog |
| vfunc[0]: | non-virtual thunk to QInputDialog::~QInputDialog() |
| vfunc[1]: | non-virtual thunk to QInputDialog::~QInputDialog() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QInputDialog class is described by Table 7-194

**Table 7-194 typeinfo for QInputDialog**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QInputDialog |
| basetype: | typeinfo for QDialog |

### 7.5.10.11 Class data for QFileIconProvider

The virtual table for the QFileIconProvider class is described in the generic part of this specification.

The Run Time Type Information for the QFileIconProvider class is described by Table 7-195

**Table 7-195 typeinfo for QFileIconProvider**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QFileIconProvider |

### 7.5.10.12 Interfaces for Qt4 Dialogs

An LSB conforming implementation shall provide the architecture specific functions for Qt4 Dialogs specified in Table 7-196, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-196 libQtGui - Qt4 Dialogs Function Interfaces**

| | |
|---|---|
| _ZThn8_N11QFileDialogD0Ev [CXXABI-1.86] | _ZThn8_N11QFileDialogD1Ev [CXXABI-1.86] |
| _ZThn8_N11QFontDialogD0Ev [CXXABI-1.86] | _ZThn8_N11QFontDialogD1Ev [CXXABI-1.86] |

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| | |
|---|---|
| _ZThn8_N11QMessageBoxD0Ev [CXXABI-1.86] | _ZThn8_N11QMessageBoxD1Ev [CXXABI-1.86] |
| _ZThn8_N12QColorDialogD0Ev [CXXABI-1.86] | _ZThn8_N12QColorDialogD1Ev [CXXABI-1.86] |
| _ZThn8_N12QInputDialogD0Ev [CXXABI-1.86] | _ZThn8_N12QInputDialogD1Ev [CXXABI-1.86] |
| _ZThn8_N12QPrintDialogD0Ev [CXXABI-1.86] | _ZThn8_N12QPrintDialogD1Ev [CXXABI-1.86] |
| _ZThn8_N13QErrorMessageD0Ev [CXXABI-1.86] | _ZThn8_N13QErrorMessageD1Ev [CXXABI-1.86] |
| _ZThn8_N15QProgressDialogD0Ev [CXXABI-1.86] | _ZThn8_N15QProgressDialogD1Ev [CXXABI-1.86] |
| _ZThn8_N7QDialogD0Ev [CXXABI-1.86] | _ZThn8_N7QDialogD1Ev [CXXABI-1.86] |

## 7.5.11 Qt4 Date and Time

### 7.5.11.1 Class data for QDateTimeEdit

The virtual table for the QDateTimeEdit class is described by Table 7-197

**Table 7-197 Primary vtable for QDateTimeEdit**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QDateTimeEdit |
| vfunc[0]: | QDateTimeEdit::metaObject() const |
| vfunc[1]: | QDateTimeEdit::qt_metacast(char const*) |
| vfunc[2]: | QDateTimeEdit::qt_metacall(QMeta Object::Call, int, void**) |
| vfunc[3]: | NULL or QDateTimeEdit::~QDateTimeEdit() |
| vfunc[4]: | NULL or QDateTimeEdit::~QDateTimeEdit() |
| vfunc[5]: | QDateTimeEdit::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QAbstractSpinBox::timerEvent(QTim erEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |

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| | |
|---|---|
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QDateTimeEdit::sizeHint() const |
| vfunc[15]: | QAbstractSpinBox::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QAbstractSpinBox::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QAbstractSpinBox::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QAbstractSpinBox::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QDateTimeEdit::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QDateTimeEdit::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QAbstractSpinBox::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QDateTimeEdit::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QAbstractSpinBox::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QAbstractSpinBox::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QAbstractSpinBox::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QAbstractSpinBox::closeEvent(QCloseEvent*) |
| vfunc[33]: | QAbstractSpinBox::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |

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| | |
|---|---|
| vfunc[35]: | QWidget::actionEvent(QActionEvent *) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QAbstractSpinBox::showEvent(QShowEvent*) |
| vfunc[41]: | QAbstractSpinBox::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QAbstractSpinBox::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QDateTimeEdit::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QDateTimeEdit::validate(QString&, int&) const |
| vfunc[55]: | QDateTimeEdit::fixup(QString&) const |
| vfunc[56]: | QDateTimeEdit::stepBy(int) |
| vfunc[57]: | QDateTimeEdit::clear() |
| vfunc[58]: | QDateTimeEdit::stepEnabled() const |

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| | |
|---|---|
| vfunc[59]: | QDateTimeEdit::dateTimeFromText(QString const&) const |
| vfunc[60]: | QDateTimeEdit::textFromDateTime(QDateTime const&) const |

**Table 7-198 Secondary vtable for QDateTimeEdit**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QDateTimeEdit |
| vfunc[0]: | NULL or non-virtual thunk to QDateTimeEdit::~QDateTimeEdit() |
| vfunc[1]: | NULL or non-virtual thunk to QDateTimeEdit::~QDateTimeEdit() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QDateTimeEdit class is described by Table 7-199

**Table 7-199 typeinfo for QDateTimeEdit**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QDateTimeEdit |
| basetype: | typeinfo for QAbstractSpinBox |

### 7.5.11.2 Class data for QTimeEdit

The virtual table for the QTimeEdit class is described by Table 7-200

**Table 7-200 Primary vtable for QTimeEdit**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTimeEdit |
| vfunc[0]: | QTimeEdit::metaObject() const |
| vfunc[1]: | QTimeEdit::qt_metacast(char const*) |
| vfunc[2]: | QTimeEdit::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | NULL or QTimeEdit::~QTimeEdit() |

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| | |
|---|---|
| vfunc[4]: | NULL or QTimeEdit::~QTimeEdit() |
| vfunc[5]: | QDateTimeEdit::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QAbstractSpinBox::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QDateTimeEdit::sizeHint() const |
| vfunc[15]: | QAbstractSpinBox::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QAbstractSpinBox::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QAbstractSpinBox::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QAbstractSpinBox::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QDateTimeEdit::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QDateTimeEdit::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QAbstractSpinBox::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QDateTimeEdit::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QAbstractSpinBox::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |

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| | |
|---|---|
| vfunc[29]: | QAbstractSpinBox::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QAbstractSpinBox::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QAbstractSpinBox::closeEvent(QCloseEvent*) |
| vfunc[33]: | QAbstractSpinBox::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QAbstractSpinBox::showEvent(QShowEvent*) |
| vfunc[41]: | QAbstractSpinBox::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QAbstractSpinBox::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QDateTimeEdit::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |

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| | |
|---|---|
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QDateTimeEdit::validate(QString&, int&) const |
| vfunc[55]: | QDateTimeEdit::fixup(QString&) const |
| vfunc[56]: | QDateTimeEdit::stepBy(int) |
| vfunc[57]: | QDateTimeEdit::clear() |
| vfunc[58]: | QDateTimeEdit::stepEnabled() const |
| vfunc[59]: | QDateTimeEdit::dateTimeFromText(QString const&) const |
| vfunc[60]: | QDateTimeEdit::textFromDateTime(QDateTime const&) const |

**Table 7-201 Secondary vtable for QTimeEdit**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTimeEdit |
| vfunc[0]: | NULL or non-virtual thunk to QTimeEdit::~QTimeEdit() |
| vfunc[1]: | NULL or non-virtual thunk to QTimeEdit::~QTimeEdit() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QTimeEdit class is described by Table 7-202

**Table 7-202 typeinfo for QTimeEdit**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTimeEdit |
| basetype: | typeinfo for QDateTimeEdit |

### 7.5.11.3 Class data for QDateEdit

The virtual table for the QDateEdit class is described by Table 7-203

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**Table 7-203 Primary vtable for QDateEdit**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QDateEdit |
| vfunc[0]: | QDateEdit::metaObject() const |
| vfunc[1]: | QDateEdit::qt_metacast(char const*) |
| vfunc[2]: | QDateEdit::qt_metacall(QMetaObject ::Call, int, void**) |
| vfunc[3]: | NULL or QDateEdit::~QDateEdit() |
| vfunc[4]: | NULL or QDateEdit::~QDateEdit() |
| vfunc[5]: | QDateTimeEdit::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QAbstractSpinBox::timerEvent(QTim erEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QDateTimeEdit::sizeHint() const |
| vfunc[15]: | QAbstractSpinBox::minimumSizeHin t() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QAbstractSpinBox::mousePressEvent (QMouseEvent*) |
| vfunc[19]: | QAbstractSpinBox::mouseReleaseEve nt(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent( QMouseEvent*) |
| vfunc[21]: | QAbstractSpinBox::mouseMoveEven t(QMouseEvent*) |
| vfunc[22]: | QDateTimeEdit::wheelEvent(QWheel Event*) |
| vfunc[23]: | QDateTimeEdit::keyPressEvent(QKe yEvent*) |

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| | |
|---|---|
| vfunc[24]: | QAbstractSpinBox::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QDateTimeEdit::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QAbstractSpinBox::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QAbstractSpinBox::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QAbstractSpinBox::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QAbstractSpinBox::closeEvent(QCloseEvent*) |
| vfunc[33]: | QAbstractSpinBox::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QAbstractSpinBox::showEvent(QShowEvent*) |
| vfunc[41]: | QAbstractSpinBox::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QAbstractSpinBox::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |

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| | |
|---|---|
| vfunc[47]: | QDateTimeEdit::focusNextPrevChild (bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange( bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QDateTimeEdit::validate(QString&, int&) const |
| vfunc[55]: | QDateTimeEdit::fixup(QString&) const |
| vfunc[56]: | QDateTimeEdit::stepBy(int) |
| vfunc[57]: | QDateTimeEdit::clear() |
| vfunc[58]: | QDateTimeEdit::stepEnabled() const |
| vfunc[59]: | QDateTimeEdit::dateTimeFromText( QString const&) const |
| vfunc[60]: | QDateTimeEdit::textFromDateTime( QDateTime const&) const |

**Table 7-204 Secondary vtable for QDateEdit**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QDateEdit |
| vfunc[0]: | NULL or non-virtual thunk to QDateEdit::~QDateEdit() |
| vfunc[1]: | NULL or non-virtual thunk to QDateEdit::~QDateEdit() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QDateEdit class is described by Table 7-205

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**Table 7-205 typeinfo for QDateEdit**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QDateEdit |
| basetype: | typeinfo for QDateTimeEdit |

### 7.5.11.4 Interfaces for Qt4 Date and Time

No external functions are defined for libQtGui - Qt4 Date and Time in this part of the specification. See also the generic specification.

## 7.5.12 Qt4 Miscellaneous

### 7.5.12.1 Class data for QRubberBand

The virtual table for the QRubberBand class is described by Table 7-206

**Table 7-206 Primary vtable for QRubberBand**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QRubberBand |
| vfunc[0]: | QRubberBand::metaObject() const |
| vfunc[1]: | QRubberBand::qt_metacast(char const*) |
| vfunc[2]: | QRubberBand::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QRubberBand::~QRubberBand() |
| vfunc[4]: | QRubberBand::~QRubberBand() |
| vfunc[5]: | QRubberBand::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QWidget::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |

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| | |
|---|---|
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QRubberBand::paintEvent(QPaintEvent*) |
| vfunc[30]: | QRubberBand::moveEvent(QMoveEvent*) |
| vfunc[31]: | QRubberBand::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |

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| | |
|---|---|
| vfunc[40]: | QRubberBand::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QRubberBand::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |

**Table 7-207 Secondary vtable for QRubberBand**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QRubberBand |
| vfunc[0]: | non-virtual thunk to QRubberBand::~QRubberBand() |
| vfunc[1]: | non-virtual thunk to QRubberBand::~QRubberBand() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QRubberBand class is described by Table 7-208

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**Table 7-208 typeinfo for QRubberBand**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QRubberBand |
| basetype: | typeinfo for QWidget |

### 7.5.12.2 Class data for QShortcut

The virtual table for the QShortcut class is described in the generic part of this specification.

The Run Time Type Information for the QShortcut class is described by Table 7-209

**Table 7-209 typeinfo for QShortcut**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QShortcut |
| basetype: | typeinfo for QObject |

### 7.5.12.3 Class data for QSplashScreen

The virtual table for the QSplashScreen class is described by Table 7-210

**Table 7-210 Primary vtable for QSplashScreen**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QSplashScreen |
| vfunc[0]: | QSplashScreen::metaObject() const |
| vfunc[1]: | QSplashScreen::qt_metacast(char const*) |
| vfunc[2]: | QSplashScreen::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QSplashScreen::~QSplashScreen() |
| vfunc[4]: | QSplashScreen::~QSplashScreen() |
| vfunc[5]: | QSplashScreen::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |


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| | |
|---|---|
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QWidget::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QSplashScreen::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |

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| | |
|---|---|
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QSplashScreen::drawContents(QPainter*) |

**Table 7-211 Secondary vtable for QSplashScreen**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QSplashScreen |
| vfunc[0]: | non-virtual thunk to QSplashScreen::~QSplashScreen() |
| vfunc[1]: | non-virtual thunk to QSplashScreen::~QSplashScreen() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |


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| | |
|---|---|
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QSplashScreen class is described by Table 7-212

**Table 7-212 typeinfo for QSplashScreen**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSplashScreen |
| basetype: | typeinfo for QWidget |

### 7.5.12.4 Class data for QUndoCommand

The virtual table for the QUndoCommand class is described in the generic part of this specification.

### 7.5.12.5 Class data for QUndoStack

The virtual table for the QUndoStack class is described in the generic part of this specification.

### 7.5.12.6 Interfaces for Qt4 Miscellaneous

An LSB conforming implementation shall provide the architecture specific functions for Qt4 Miscellaneous specified in Table 7-213, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-213 libQtGui - Qt4 Miscellaneous Function Interfaces**

| | |
|---|---|
| _ZThn8_N11QRubberBandD0Ev [CXXABI-1.86] | _ZThn8_N11QRubberBandD1Ev [CXXABI-1.86] |
| _ZThn8_N13QSplashScreenD0Ev [CXXABI-1.86] | _ZThn8_N13QSplashScreenD1Ev [CXXABI-1.86] |

## 7.5.13 Qt4 Paint Device

### 7.5.13.1 Class data for QPaintDevice

The virtual table for the QPaintDevice class is described in the generic part of this specification.

The Run Time Type Information for the QPaintDevice class is described by Table 7-214

**Table 7-214 typeinfo for QPaintDevice**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QPaintDevice |

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### 7.5.13.2 Class data for QPixmap

The virtual table for the QPixmap class is described in the generic part of this specification.

The Run Time Type Information for the QPixmap class is described by Table 7-215

**Table 7-215 typeinfo for QPixmap**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QPixmap |
| basetype: | typeinfo for QPaintDevice |

### 7.5.13.3 Class data for QPicture

The virtual table for the QPicture class is described in the generic part of this specification.

The Run Time Type Information for the QPicture class is described by Table 7-216

**Table 7-216 typeinfo for QPicture**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QPicture |
| basetype: | typeinfo for QPaintDevice |

### 7.5.13.4 Class data for QBitmap

The virtual table for the QBitmap class is described in the generic part of this specification.

The Run Time Type Information for the QBitmap class is described by Table 7-217

**Table 7-217 typeinfo for QBitmap**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QBitmap |
| basetype: | typeinfo for QPixmap |

### 7.5.13.5 Class data for QPictureFormatInterface

The virtual table for the QPictureFormatInterface class is described in the generic part of this specification.

The Run Time Type Information for the QPictureFormatInterface class is described by Table 7-218

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**Table 7-218 typeinfo for QPictureFormatInterface**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QPictureFormatInterface |
| basetype: | typeinfo for QFactoryInterface |

### 7.5.13.6 Class data for QPrinter

The virtual table for the QPrinter class is described in the generic part of this specification.

The Run Time Type Information for the QPrinter class is described by Table 7-219

**Table 7-219 typeinfo for QPrinter**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QPrinter |
| basetype: | typeinfo for QPaintDevice |

### 7.5.13.7 Class data for QPrintEngine

The virtual table for the QPrintEngine class is described in the generic part of this specification.

The Run Time Type Information for the QPrintEngine class is described by Table 7-220

**Table 7-220 typeinfo for QPrintEngine**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QPrintEngine |

### 7.5.13.8 Interfaces for Qt4 Paint Device

No external functions are defined for libQtGui - Qt4 Paint Device in this part of the specification. See also the generic specification.

## 7.5.14 Qt4 Multimedia

### 7.5.14.1 Class data for QImage

The virtual table for the QImage class is described in the generic part of this specification.

The Run Time Type Information for the QImage class is described by Table 7-221

**Table 7-221 typeinfo for QImage**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |

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| | |
|---|---|
| Name | typeinfo name for QImage |
| basetype: | typeinfo for QPaintDevice |

### 7.5.14.2 Class data for QImageIOHandler

The virtual table for the QImageIOHandler class is described in the generic part of this specification.

The Run Time Type Information for the QImageIOHandler class is described by Table 7-222

**Table 7-222 typeinfo for QImageIOHandler**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QImageIOHandler |

### 7.5.14.3 Class data for QImageIOHandlerFactoryInterface

The virtual table for the QImageIOHandlerFactoryInterface class is described in the generic part of this specification.

The Run Time Type Information for the QImageIOHandlerFactoryInterface class is described by Table 7-223

**Table 7-223 typeinfo for QImageIOHandlerFactoryInterface**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QImageIOHandlerFactoryInterface |
| basetype: | typeinfo for QFactoryInterface |

### 7.5.14.4 Class data for QMovie

The virtual table for the QMovie class is described in the generic part of this specification.

The Run Time Type Information for the QMovie class is described by Table 7-224

**Table 7-224 typeinfo for QMovie**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QMovie |
| basetype: | typeinfo for QObject |

### 7.5.14.5 Class data for QSound

The virtual table for the QSound class is described in the generic part of this specification.

The Run Time Type Information for the QSound class is described by Table 7-225

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**Table 7-225 typeinfo for QSound**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSound |
| basetype: | typeinfo for QObject |

### 7.5.14.6 Interfaces for Qt4 Multimedia

No external functions are defined for libQtGui - Qt4 Multimedia in this part of the specification. See also the generic specification.

## 7.5.15 Qt4 Layouts

### 7.5.15.1 Class data for QLayoutItem

The virtual table for the QLayoutItem class is described in the generic part of this specification.

The Run Time Type Information for the QLayoutItem class is described by Table 7-226

**Table 7-226 typeinfo for QLayoutItem**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QLayoutItem |

### 7.5.15.2 Class data for QSpacerItem

The virtual table for the QSpacerItem class is described in the generic part of this specification.

The Run Time Type Information for the QSpacerItem class is described by Table 7-227

**Table 7-227 typeinfo for QSpacerItem**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSpacerItem |
| basetype: | typeinfo for QLayoutItem |

### 7.5.15.3 Class data for QWidgetItem

The virtual table for the QWidgetItem class is described in the generic part of this specification.

The Run Time Type Information for the QWidgetItem class is described by Table 7-228

**Table 7-228 typeinfo for QWidgetItem**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |

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| | |
|---|---|
| Name | typeinfo name for QWidgetItem |
| basetype: | typeinfo for QLayoutItem |

### 7.5.15.4 Class data for QLayout

The virtual table for the QLayout class is described by Table 7-229

**Table 7-229 Primary vtable for QLayout**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QLayout |
| vfunc[0]: | QLayout::metaObject() const |
| vfunc[1]: | QLayout::qt_metacast(char const*) |
| vfunc[2]: | QLayout::qt_metacall(QMetaObject:: Call, int, void**) |
| vfunc[3]: | QLayout::~QLayout() |
| vfunc[4]: | QLayout::~QLayout() |
| vfunc[5]: | QObject::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QLayout::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QLayout::invalidate() |
| vfunc[13]: | QLayout::geometry() const |
| vfunc[14]: | __cxa_pure_virtual |
| vfunc[15]: | QLayout::expandingDirections() const |
| vfunc[16]: | QLayout::minimumSize() const |
| vfunc[17]: | QLayout::maximumSize() const |
| vfunc[18]: | __cxa_pure_virtual |
| vfunc[19]: | __cxa_pure_virtual |
| vfunc[20]: | __cxa_pure_virtual |
| vfunc[21]: | QLayout::indexOf(QWidget*) const |
| vfunc[22]: | __cxa_pure_virtual |

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| | |
|---|---|
| vfunc[23]: | QLayout::isEmpty() const |
| vfunc[24]: | QLayout::layout() |

**Table 7-230 Secondary vtable for QLayout**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QLayout |
| vfunc[0]: | non-virtual thunk to QLayout::~QLayout() |
| vfunc[1]: | non-virtual thunk to QLayout::~QLayout() |
| vfunc[2]: | __cxa_pure_virtual |
| vfunc[3]: | non-virtual thunk to QLayout::minimumSize() const |
| vfunc[4]: | non-virtual thunk to QLayout::maximumSize() const |
| vfunc[5]: | non-virtual thunk to QLayout::expandingDirections() const |
| vfunc[6]: | __cxa_pure_virtual |
| vfunc[7]: | non-virtual thunk to QLayout::geometry() const |
| vfunc[8]: | non-virtual thunk to QLayout::isEmpty() const |
| vfunc[9]: | QLayoutItem::hasHeightForWidth() const |
| vfunc[10]: | QLayoutItem::heightForWidth(int) const |
| vfunc[11]: | QLayoutItem::minimumHeightForWidth(int) const |
| vfunc[12]: | non-virtual thunk to QLayout::invalidate() |
| vfunc[13]: | QLayoutItem::widget() |
| vfunc[14]: | non-virtual thunk to QLayout::layout() |
| vfunc[15]: | QLayoutItem::spacerItem() |

The Run Time Type Information for the QLayout class is described by Table 7-231

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**Table 7-231 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 | 2050 |

### 7.5.15.5 Class data for QGridLayout

The virtual table for the QGridLayout class is described by Table 7-232

**Table 7-232 Primary vtable for QGridLayout**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QGridLayout |
| vfunc[0]: | QGridLayout::metaObject() const |
| vfunc[1]: | QGridLayout::qt_metacast(char const*) |
| vfunc[2]: | QGridLayout::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QGridLayout::~QGridLayout() |
| vfunc[4]: | QGridLayout::~QGridLayout() |
| vfunc[5]: | QObject::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QLayout::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QGridLayout::invalidate() |
| vfunc[13]: | QLayout::geometry() const |
| vfunc[14]: | QGridLayout::addItem(QLayoutItem*) |


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| | |
|---|---|
| vfunc[15]: | QGridLayout::expandingDirections() const |
| vfunc[16]: | QGridLayout::minimumSize() const |
| vfunc[17]: | QGridLayout::maximumSize() const |
| vfunc[18]: | QGridLayout::setGeometry(QRect const&) |
| vfunc[19]: | QGridLayout::itemAt(int) const |
| vfunc[20]: | QGridLayout::takeAt(int) |
| vfunc[21]: | QLayout::indexOf(QWidget*) const |
| vfunc[22]: | QGridLayout::count() const |
| vfunc[23]: | QLayout::isEmpty() const |
| vfunc[24]: | QLayout::layout() |
| vfunc[25]: | QGridLayout::sizeHint() const |
| vfunc[26]: | QGridLayout::hasHeightForWidth() const |
| vfunc[27]: | QGridLayout::heightForWidth(int) const |
| vfunc[28]: | QGridLayout::minimumHeightForWidth(int) const |

**Table 7-233 Secondary vtable for QGridLayout**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QGridLayout |
| vfunc[0]: | non-virtual thunk to QGridLayout::~QGridLayout() |
| vfunc[1]: | non-virtual thunk to QGridLayout::~QGridLayout() |
| vfunc[2]: | non-virtual thunk to QGridLayout::sizeHint() const |
| vfunc[3]: | non-virtual thunk to QGridLayout::minimumSize() const |
| vfunc[4]: | non-virtual thunk to QGridLayout::maximumSize() const |
| vfunc[5]: | non-virtual thunk to QGridLayout::expandingDirections() const |
| vfunc[6]: | non-virtual thunk to QGridLayout::setGeometry(QRect const&) |

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| | |
|---|---|
| vfunc[7]: | non-virtual thunk to QLayout::geometry() const |
| vfunc[8]: | non-virtual thunk to QLayout::isEmpty() const |
| vfunc[9]: | non-virtual thunk to QGridLayout::hasHeightForWidth() const |
| vfunc[10]: | non-virtual thunk to QGridLayout::heightForWidth(int) const |
| vfunc[11]: | non-virtual thunk to QGridLayout::minimumHeightForWidth(int) const |
| vfunc[12]: | non-virtual thunk to QGridLayout::invalidate() |
| vfunc[13]: | QLayoutItem::widget() |
| vfunc[14]: | non-virtual thunk to QLayout::layout() |
| vfunc[15]: | QLayoutItem::spacerItem() |

The Run Time Type Information for the QGridLayout class is described by Table 7-234

**Table 7-234 typeinfo for QGridLayout**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QGridLayout |
| basetype: | typeinfo for QLayout |

### 7.5.15.6 Class data for QBoxLayout

The virtual table for the QBoxLayout class is described by Table 7-235

**Table 7-235 Primary vtable for QBoxLayout**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QBoxLayout |
| vfunc[0]: | QBoxLayout::metaObject() const |
| vfunc[1]: | QBoxLayout::qt_metacast(char const*) |
| vfunc[2]: | QBoxLayout::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QBoxLayout::~QBoxLayout() |

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| | |
|---|---|
| vfunc[4]: | QBoxLayout::~QBoxLayout() |
| vfunc[5]: | QObject::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QLayout::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QBoxLayout::invalidate() |
| vfunc[13]: | QLayout::geometry() const |
| vfunc[14]: | QBoxLayout::addItem(QLayoutItem*) |
| vfunc[15]: | QBoxLayout::expandingDirections() const |
| vfunc[16]: | QBoxLayout::minimumSize() const |
| vfunc[17]: | QBoxLayout::maximumSize() const |
| vfunc[18]: | QBoxLayout::setGeometry(QRect const&) |
| vfunc[19]: | QBoxLayout::itemAt(int) const |
| vfunc[20]: | QBoxLayout::takeAt(int) |
| vfunc[21]: | QLayout::indexOf(QWidget*) const |
| vfunc[22]: | QBoxLayout::count() const |
| vfunc[23]: | QLayout::isEmpty() const |
| vfunc[24]: | QLayout::layout() |
| vfunc[25]: | QBoxLayout::sizeHint() const |
| vfunc[26]: | QBoxLayout::hasHeightForWidth() const |
| vfunc[27]: | QBoxLayout::heightForWidth(int) const |
| vfunc[28]: | QBoxLayout::minimumHeightForWidth(int) const |

**Table 7-236 Secondary vtable for QBoxLayout**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QBoxLayout |

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| | |
|---|---|
| vfunc[0]: | non-virtual thunk to QBoxLayout::~QBoxLayout() |
| vfunc[1]: | non-virtual thunk to QBoxLayout::~QBoxLayout() |
| vfunc[2]: | non-virtual thunk to QBoxLayout::sizeHint() const |
| vfunc[3]: | non-virtual thunk to QBoxLayout::minimumSize() const |
| vfunc[4]: | non-virtual thunk to QBoxLayout::maximumSize() const |
| vfunc[5]: | non-virtual thunk to QBoxLayout::expandingDirections() const |
| vfunc[6]: | non-virtual thunk to QBoxLayout::setGeometry(QRect const&) |
| vfunc[7]: | non-virtual thunk to QLayout::geometry() const |
| vfunc[8]: | non-virtual thunk to QLayout::isEmpty() const |
| vfunc[9]: | non-virtual thunk to QBoxLayout::hasHeightForWidth() const |
| vfunc[10]: | non-virtual thunk to QBoxLayout::heightForWidth(int) const |
| vfunc[11]: | non-virtual thunk to QBoxLayout::minimumHeightForWidth(int) const |
| vfunc[12]: | non-virtual thunk to QBoxLayout::invalidate() |
| vfunc[13]: | QLayoutItem::widget() |
| vfunc[14]: | non-virtual thunk to QLayout::layout() |
| vfunc[15]: | QLayoutItem::spacerItem() |

The Run Time Type Information for the QBoxLayout class is described by Table 7-237

**Table 7-237 typeinfo for QBoxLayout**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QBoxLayout |

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| | |
|---|---|
| basetype: | typeinfo for QLayout |

### 7.5.15.7 Class data for QHBoxLayout

The virtual table for the QHBoxLayout class is described by Table 7-238

**Table 7-238 Primary vtable for QHBoxLayout**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QHBoxLayout |
| vfunc[0]: | QHBoxLayout::metaObject() const |
| vfunc[1]: | QHBoxLayout::qt_metacast(char const*) |
| vfunc[2]: | QHBoxLayout::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QHBoxLayout::~QHBoxLayout() |
| vfunc[4]: | QHBoxLayout::~QHBoxLayout() |
| vfunc[5]: | QObject::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QLayout::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QBoxLayout::invalidate() |
| vfunc[13]: | QLayout::geometry() const |
| vfunc[14]: | QBoxLayout::addItem(QLayoutItem*) |
| vfunc[15]: | QBoxLayout::expandingDirections() const |
| vfunc[16]: | QBoxLayout::minimumSize() const |
| vfunc[17]: | QBoxLayout::maximumSize() const |
| vfunc[18]: | QBoxLayout::setGeometry(QRect const&) |
| vfunc[19]: | QBoxLayout::itemAt(int) const |
| vfunc[20]: | QBoxLayout::takeAt(int) |
| vfunc[21]: | QLayout::indexOf(QWidget*) const |

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| | |
|---|---|
| vfunc[22]: | QBoxLayout::count() const |
| vfunc[23]: | QLayout::isEmpty() const |
| vfunc[24]: | QLayout::layout() |
| vfunc[25]: | QBoxLayout::sizeHint() const |
| vfunc[26]: | QBoxLayout::hasHeightForWidth() const |
| vfunc[27]: | QBoxLayout::heightForWidth(int) const |
| vfunc[28]: | QBoxLayout::minimumHeightForWidth(int) const |

**Table 7-239 Secondary vtable for QHBoxLayout**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QHBoxLayout |
| vfunc[0]: | non-virtual thunk to QHBoxLayout::~QHBoxLayout() |
| vfunc[1]: | non-virtual thunk to QHBoxLayout::~QHBoxLayout() |
| vfunc[2]: | non-virtual thunk to QBoxLayout::sizeHint() const |
| vfunc[3]: | non-virtual thunk to QBoxLayout::minimumSize() const |
| vfunc[4]: | non-virtual thunk to QBoxLayout::maximumSize() const |
| vfunc[5]: | non-virtual thunk to QBoxLayout::expandingDirections() const |
| vfunc[6]: | non-virtual thunk to QBoxLayout::setGeometry(QRect const&) |
| vfunc[7]: | non-virtual thunk to QLayout::geometry() const |
| vfunc[8]: | non-virtual thunk to QLayout::isEmpty() const |
| vfunc[9]: | non-virtual thunk to QBoxLayout::hasHeightForWidth() const |
| vfunc[10]: | non-virtual thunk to QBoxLayout::heightForWidth(int) const |

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| | |
|---|---|
| vfunc[11]: | non-virtual thunk to QBoxLayout::minimumHeightForWidth(int) const |
| vfunc[12]: | non-virtual thunk to QBoxLayout::invalidate() |
| vfunc[13]: | QLayoutItem::widget() |
| vfunc[14]: | non-virtual thunk to QLayout::layout() |
| vfunc[15]: | QLayoutItem::spacerItem() |

The Run Time Type Information for the QHBoxLayout class is described by Table 7-240

**Table 7-240 typeinfo for QHBoxLayout**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QHBoxLayout |
| basetype: | typeinfo for QBoxLayout |

### 7.5.15.8 Class data for QVBoxLayout

The virtual table for the QVBoxLayout class is described by Table 7-241

**Table 7-241 Primary vtable for QVBoxLayout**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QVBoxLayout |
| vfunc[0]: | QVBoxLayout::metaObject() const |
| vfunc[1]: | QVBoxLayout::qt_metacast(char const*) |
| vfunc[2]: | QVBoxLayout::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QVBoxLayout::~QVBoxLayout() |
| vfunc[4]: | QVBoxLayout::~QVBoxLayout() |
| vfunc[5]: | QObject::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QLayout::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |

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| | |
|---|---|
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QBoxLayout::invalidate() |
| vfunc[13]: | QLayout::geometry() const |
| vfunc[14]: | QBoxLayout::addItem(QLayoutItem*) |
| vfunc[15]: | QBoxLayout::expandingDirections() const |
| vfunc[16]: | QBoxLayout::minimumSize() const |
| vfunc[17]: | QBoxLayout::maximumSize() const |
| vfunc[18]: | QBoxLayout::setGeometry(QRect const&) |
| vfunc[19]: | QBoxLayout::itemAt(int) const |
| vfunc[20]: | QBoxLayout::takeAt(int) |
| vfunc[21]: | QLayout::indexOf(QWidget*) const |
| vfunc[22]: | QBoxLayout::count() const |
| vfunc[23]: | QLayout::isEmpty() const |
| vfunc[24]: | QLayout::layout() |
| vfunc[25]: | QBoxLayout::sizeHint() const |
| vfunc[26]: | QBoxLayout::hasHeightForWidth() const |
| vfunc[27]: | QBoxLayout::heightForWidth(int) const |
| vfunc[28]: | QBoxLayout::minimumHeightForWidth(int) const |

**Table 7-242 Secondary vtable for QVBoxLayout**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QVBoxLayout |
| vfunc[0]: | non-virtual thunk to QVBoxLayout::~QVBoxLayout() |
| vfunc[1]: | non-virtual thunk to QVBoxLayout::~QVBoxLayout() |
| vfunc[2]: | non-virtual thunk to QBoxLayout::sizeHint() const |
| vfunc[3]: | non-virtual thunk to QBoxLayout::minimumSize() const |

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| | |
|---|---|
| vfunc[4]: | non-virtual thunk to QBoxLayout::maximumSize() const |
| vfunc[5]: | non-virtual thunk to QBoxLayout::expandingDirections() const |
| vfunc[6]: | non-virtual thunk to QBoxLayout::setGeometry(QRect const&) |
| vfunc[7]: | non-virtual thunk to QLayout::geometry() const |
| vfunc[8]: | non-virtual thunk to QLayout::isEmpty() const |
| vfunc[9]: | non-virtual thunk to QBoxLayout::hasHeightForWidth() const |
| vfunc[10]: | non-virtual thunk to QBoxLayout::heightForWidth(int) const |
| vfunc[11]: | non-virtual thunk to QBoxLayout::minimumHeightForWidth(int) const |
| vfunc[12]: | non-virtual thunk to QBoxLayout::invalidate() |
| vfunc[13]: | QLayoutItem::widget() |
| vfunc[14]: | non-virtual thunk to QLayout::layout() |
| vfunc[15]: | QLayoutItem::spacerItem() |

The Run Time Type Information for the QVBoxLayout class is described by Table 7-243

**Table 7-243 typeinfo for QVBoxLayout**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QVBoxLayout |
| basetype: | typeinfo for QBoxLayout |

### 7.5.15.9 Class data for QStackedLayout

The virtual table for the QStackedLayout class is described by Table 7-244

**Table 7-244 Primary vtable for QStackedLayout**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |

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| | |
|---|---|
| RTTI | typeinfo for QStackedLayout |
| vfunc[0]: | QStackedLayout::metaObject() const |
| vfunc[1]: | QStackedLayout::qt_metacast(char const*) |
| vfunc[2]: | QStackedLayout::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QStackedLayout::~QStackedLayout() |
| vfunc[4]: | QStackedLayout::~QStackedLayout() |
| vfunc[5]: | QObject::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QLayout::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QLayout::invalidate() |
| vfunc[13]: | QLayout::geometry() const |
| vfunc[14]: | QStackedLayout::addItem(QLayoutItem*) |
| vfunc[15]: | QLayout::expandingDirections() const |
| vfunc[16]: | QStackedLayout::minimumSize() const |
| vfunc[17]: | QLayout::maximumSize() const |
| vfunc[18]: | QStackedLayout::setGeometry(QRect const&) |
| vfunc[19]: | QStackedLayout::itemAt(int) const |
| vfunc[20]: | QStackedLayout::takeAt(int) |
| vfunc[21]: | QLayout::indexOf(QWidget*) const |
| vfunc[22]: | QStackedLayout::count() const |
| vfunc[23]: | QLayout::isEmpty() const |
| vfunc[24]: | QLayout::layout() |
| vfunc[25]: | QStackedLayout::sizeHint() const |

**Table 7-245 Secondary vtable for QStackedLayout**

| | |
|---|---|
| Base Offset | -8 |


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| | |
|---|---|
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QStackedLayout |
| vfunc[0]: | non-virtual thunk to QStackedLayout::~QStackedLayout() |
| vfunc[1]: | non-virtual thunk to QStackedLayout::~QStackedLayout() |
| vfunc[2]: | non-virtual thunk to QStackedLayout::sizeHint() const |
| vfunc[3]: | non-virtual thunk to QStackedLayout::minimumSize() const |
| vfunc[4]: | non-virtual thunk to QLayout::maximumSize() const |
| vfunc[5]: | non-virtual thunk to QLayout::expandingDirections() const |
| vfunc[6]: | non-virtual thunk to QStackedLayout::setGeometry(QRect const&) |
| vfunc[7]: | non-virtual thunk to QLayout::geometry() const |
| vfunc[8]: | non-virtual thunk to QLayout::isEmpty() const |
| vfunc[9]: | QLayoutItem::hasHeightForWidth() const |
| vfunc[10]: | QLayoutItem::heightForWidth(int) const |
| vfunc[11]: | QLayoutItem::minimumHeightForWidth(int) const |
| vfunc[12]: | non-virtual thunk to QLayout::invalidate() |
| vfunc[13]: | QLayoutItem::widget() |
| vfunc[14]: | non-virtual thunk to QLayout::layout() |
| vfunc[15]: | QLayoutItem::spacerItem() |

The Run Time Type Information for the QStackedLayout class is described by Table 7-246

**Table 7-246 typeinfo for QStackedLayout**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QStackedLayout |

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| | |
|---|---|
| basetype: | typeinfo for QLayout |

### 7.5.15.10 Interfaces for Qt4 Layouts

An LSB conforming implementation shall provide the architecture specific functions for Qt4 Layouts specified in Table 7-247, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-247 libQtGui - Qt4 Layouts Function Interfaces**

| | |
|---|---|
| _ZThn8_N10QBoxLayoutD0Ev [CXXABI-1.86] | _ZThn8_N10QBoxLayoutD1Ev [CXXABI-1.86] |
| _ZThn8_N11QGridLayoutD0Ev [CXXABI-1.86] | _ZThn8_N11QGridLayoutD1Ev [CXXABI-1.86] |
| _ZThn8_N11QHBoxLayoutD0Ev [CXXABI-1.86] | _ZThn8_N11QHBoxLayoutD1Ev [CXXABI-1.86] |
| _ZThn8_N11QVBoxLayoutD0Ev [CXXABI-1.86] | _ZThn8_N11QVBoxLayoutD1Ev [CXXABI-1.86] |
| _ZThn8_N14QStackedLayoutD0Ev [CXXABI-1.86] | _ZThn8_N14QStackedLayoutD1Ev [CXXABI-1.86] |
| _ZThn8_N7QLayoutD0Ev [CXXABI-1.86] | _ZThn8_N7QLayoutD1Ev [CXXABI-1.86] |

## 7.5.16 Qt4 Style

### 7.5.16.1 Class data for QStyle

The virtual table for the QStyle class is described in the generic part of this specification.

The Run Time Type Information for the QStyle class is described by Table 7-248

**Table 7-248 typeinfo for QStyle**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QStyle |
| basetype: | typeinfo for QObject |

### 7.5.16.2 Class data for QCommonStyle

The virtual table for the QCommonStyle class is described in the generic part of this specification.

The Run Time Type Information for the QCommonStyle class is described by Table 7-249

**Table 7-249 typeinfo for QCommonStyle**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QCommonStyle |

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| | |
|---|---|
| basetype: | typeinfo for QStyle |

### 7.5.16.3 Class data for QMotifStyle

The virtual table for the QMotifStyle class is described in the generic part of this specification.

The Run Time Type Information for the QMotifStyle class is described by Table 7-250

**Table 7-250 typeinfo for QMotifStyle**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QMotifStyle |
| basetype: | typeinfo for QCommonStyle |

### 7.5.16.4 Class data for QStyleFactoryInterface

The virtual table for the QStyleFactoryInterface class is described in the generic part of this specification.

The Run Time Type Information for the QStyleFactoryInterface class is described by Table 7-251

**Table 7-251 typeinfo for QStyleFactoryInterface**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QStyleFactoryInterface |
| basetype: | typeinfo for QFactoryInterface |

### 7.5.16.5 Class data for QWindowsStyle

The virtual table for the QWindowsStyle class is described in the generic part of this specification.

The Run Time Type Information for the QWindowsStyle class is described by Table 7-252

**Table 7-252 typeinfo for QWindowsStyle**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QWindowsStyle |
| basetype: | typeinfo for QCommonStyle |

### 7.5.16.6 Class data for QCDEStyle

The virtual table for the QCDEStyle class is described in the generic part of this specification.

The Run Time Type Information for the QCDEStyle class is described by Table 7-253

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**Table 7-253 typeinfo for QCDEStyle**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QCDEStyle |
| basetype: | typeinfo for QMotifStyle |

### 7.5.16.7 Class data for QPlastiqueStyle

The virtual table for the QPlastiqueStyle class is described in the generic part of this specification.

The Run Time Type Information for the QPlastiqueStyle class is described by Table 7-254

**Table 7-254 typeinfo for QPlastiqueStyle**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QPlastiqueStyle |
| basetype: | typeinfo for QWindowsStyle |

### 7.5.16.8 Class data for QCleanlooksStyle

The virtual table for the QCleanlooksStyle class is described in the generic part of this specification.

### 7.5.16.9 Interfaces for Qt4 Style

No external functions are defined for libQtGui - Qt4 Style in this part of the specification. See also the generic specification.

## 7.5.17 Qt4 Text

### 7.5.17.1 Class data for QTextObject

The virtual table for the QTextObject class is described in the generic part of this specification.

The Run Time Type Information for the QTextObject class is described by Table 7-255

**Table 7-255 typeinfo for QTextObject**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTextObject |
| basetype: | typeinfo for QObject |

### 7.5.17.2 Class data for QTextBlockGroup

The virtual table for the QTextBlockGroup class is described in the generic part of this specification.

The Run Time Type Information for the QTextBlockGroup class is described by Table 7-256

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**Table 7-256 typeinfo for QTextBlockGroup**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTextBlockGroup |
| basetype: | typeinfo for QTextObject |

### 7.5.17.3 Class data for QTextFrameLayoutData

The virtual table for the QTextFrameLayoutData class is described in the generic part of this specification.

The Run Time Type Information for the QTextFrameLayoutData class is described by Table 7-257

**Table 7-257 typeinfo for QTextFrameLayoutData**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QTextFrameLayoutData |

### 7.5.17.4 Class data for QTextFrame

The virtual table for the QTextFrame class is described in the generic part of this specification.

The Run Time Type Information for the QTextFrame class is described by Table 7-258

**Table 7-258 typeinfo for QTextFrame**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTextFrame |
| basetype: | typeinfo for QTextObject |

### 7.5.17.5 Class data for QTextBlockUserData

The virtual table for the QTextBlockUserData class is described in the generic part of this specification.

The Run Time Type Information for the QTextBlockUserData class is described by Table 7-259

**Table 7-259 typeinfo for QTextBlockUserData**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QTextBlockUserData |

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### 7.5.17.6 Class data for QTextDocument

The virtual table for the QTextDocument class is described in the generic part of this specification.

The Run Time Type Information for the QTextDocument class is described by Table 7-260

**Table 7-260 typeinfo for QTextDocument**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTextDocument |
| basetype: | typeinfo for QObject |

### 7.5.17.7 Class data for QTextTable

The virtual table for the QTextTable class is described in the generic part of this specification.

The Run Time Type Information for the QTextTable class is described by Table 7-261

**Table 7-261 typeinfo for QTextTable**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTextTable |
| basetype: | typeinfo for QTextFrame |

### 7.5.17.8 Class data for QTextList

The virtual table for the QTextList class is described in the generic part of this specification.

The Run Time Type Information for the QTextList class is described by Table 7-262

**Table 7-262 typeinfo for QTextList**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTextList |
| basetype: | typeinfo for QTextBlockGroup |

### 7.5.17.9 Class data for QTextObjectInterface

The virtual table for the QTextObjectInterface class is described in the generic part of this specification.

The Run Time Type Information for the QTextObjectInterface class is described by Table 7-263

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**Table 7-263 typeinfo for QTextObjectInterface**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QTextObjectInterface |

### 7.5.17.10 Class data for QSyntaxHighlighter

The virtual table for the QSyntaxHighlighter class is described in the generic part of this specification.

The Run Time Type Information for the QSyntaxHighlighter class is described by Table 7-264

**Table 7-264 typeinfo for QSyntaxHighlighter**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSyntaxHighlighter |
| basetype: | typeinfo for QObject |

### 7.5.17.11 Interfaces for Qt4 Text

No external functions are defined for libQtGui - Qt4 Text in this part of the specification. See also the generic specification.

## 7.5.18 Qt4 Main Window and Application

### 7.5.18.1 Class data for QClipboard

The virtual table for the QClipboard class is described in the generic part of this specification.

The Run Time Type Information for the QClipboard class is described by Table 7-265

**Table 7-265 typeinfo for QClipboard**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QClipboard |
| basetype: | typeinfo for QObject |

### 7.5.18.2 Class data for QSessionManager

The virtual table for the QSessionManager class is described in the generic part of this specification.

The Run Time Type Information for the QSessionManager class is described by Table 7-266

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**Table 7-266 typeinfo for QSessionManager**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSessionManager |
| basetype: | typeinfo for QObject |

### 7.5.18.3 Class data for QApplication

The virtual table for the QApplication class is described in the generic part of this specification.

The Run Time Type Information for the QApplication class is described by Table 7-267

**Table 7-267 typeinfo for QApplication**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QApplication |
| basetype: | typeinfo for QCoreApplication |

### 7.5.18.4 Class data for QAction

The virtual table for the QAction class is described in the generic part of this specification.

The Run Time Type Information for the QAction class is described by Table 7-268

**Table 7-268 typeinfo for QAction**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAction |
| basetype: | typeinfo for QObject |

### 7.5.18.5 Class data for QActionGroup

The virtual table for the QActionGroup class is described in the generic part of this specification.

The Run Time Type Information for the QActionGroup class is described by Table 7-269

**Table 7-269 typeinfo for QActionGroup**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QActionGroup |
| basetype: | typeinfo for QObject |

### 7.5.18.6 Class data for QWorkspace

The virtual table for the QWorkspace class is described by Table 7-270

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**Table 7-270 Primary vtable for QWorkspace**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QWorkspace |
| vfunc[0]: | QWorkspace::metaObject() const |
| vfunc[1]: | QWorkspace::qt_metacast(char const*) |
| vfunc[2]: | QWorkspace::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QWorkspace::~QWorkspace() |
| vfunc[4]: | QWorkspace::~QWorkspace() |
| vfunc[5]: | QWorkspace::event(QEvent*) |
| vfunc[6]: | QWorkspace::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QWorkspace::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QWorkspace::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWorkspace::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent*) |

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| | |
|---|---|
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QWorkspace::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWorkspace::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWorkspace::showEvent(QShowEvent*) |
| vfunc[41]: | QWorkspace::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWorkspace::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |

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| | |
|---|---|
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |

**Table 7-271 Secondary vtable for QWorkspace**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QWorkspace |
| vfunc[0]: | non-virtual thunk to QWorkspace::~QWorkspace() |
| vfunc[1]: | non-virtual thunk to QWorkspace::~QWorkspace() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QWorkspace class is described by Table 7-272

**Table 7-272 typeinfo for QWorkspace**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QWorkspace |
| basetype: | typeinfo for QWidget |

### 7.5.18.7 Class data for QSizeGrip

The virtual table for the QSizeGrip class is described by Table 7-273

**Table 7-273 Primary vtable for QSizeGrip**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QSizeGrip |

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| | |
|---|---|
| vfunc[0]: | QSizeGrip::metaObject() const |
| vfunc[1]: | QSizeGrip::qt_metacast(char const*) |
| vfunc[2]: | QSizeGrip::qt_metacall(QMetaObject ::Call, int, void**) |
| vfunc[3]: | QSizeGrip::~QSizeGrip() |
| vfunc[4]: | QSizeGrip::~QSizeGrip() |
| vfunc[5]: | QSizeGrip::event(QEvent*) |
| vfunc[6]: | QSizeGrip::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QSizeGrip::setVisible(bool) |
| vfunc[14]: | QSizeGrip::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QSizeGrip::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent( QMouseEvent*) |
| vfunc[21]: | QSizeGrip::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent *) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent *) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent *) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |

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| | |
|---|---|
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QSizeGrip::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |

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| | |
|---|---|
| vfunc[53]: | QWidget::languageChange() |

**Table 7-274 Secondary vtable for QSizeGrip**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QSizeGrip |
| vfunc[0]: | non-virtual thunk to QSizeGrip::~QSizeGrip() |
| vfunc[1]: | non-virtual thunk to QSizeGrip::~QSizeGrip() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QSizeGrip class is described by Table 7-275

**Table 7-275 typeinfo for QSizeGrip**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSizeGrip |
| basetype: | typeinfo for QWidget |

### 7.5.18.8 Class data for QStatusBar

The virtual table for the QStatusBar class is described by Table 7-276

**Table 7-276 Primary vtable for QStatusBar**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QStatusBar |
| vfunc[0]: | QStatusBar::metaObject() const |
| vfunc[1]: | QStatusBar::qt_metacast(char const*) |
| vfunc[2]: | QStatusBar::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QStatusBar::~QStatusBar() |
| vfunc[4]: | QStatusBar::~QStatusBar() |
| vfunc[5]: | QStatusBar::event(QEvent*) |


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| | |
|---|---|
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QWidget::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QStatusBar::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QStatusBar::resizeEvent(QResizeEvent*) |

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| | |
|---|---|
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |

**Table 7-277 Secondary vtable for QStatusBar**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QStatusBar |


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| | |
|---|---|
| vfunc[0]: | non-virtual thunk to QStatusBar::~QStatusBar() |
| vfunc[1]: | non-virtual thunk to QStatusBar::~QStatusBar() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QStatusBar class is described by Table 7-278

**Table 7-278 typeinfo for QStatusBar**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QStatusBar |
| basetype: | typeinfo for QWidget |

### 7.5.18.9 Class data for QToolBar

The virtual table for the QToolBar class is described by Table 7-279

**Table 7-279 Primary vtable for QToolBar**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QToolBar |
| vfunc[0]: | QToolBar::metaObject() const |
| vfunc[1]: | QToolBar::qt_metacast(char const*) |
| vfunc[2]: | QToolBar::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QToolBar::~QToolBar() |
| vfunc[4]: | QToolBar::~QToolBar() |
| vfunc[5]: | QToolBar::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QToolBar::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |

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| | |
|---|---|
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QWidget::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QToolBar::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QToolBar::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QToolBar::actionEvent(QActionEvent*) |

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| | |
|---|---|
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QToolBar::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |

**Table 7-280 Secondary vtable for QToolBar**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QToolBar |
| vfunc[0]: | non-virtual thunk to QToolBar::~QToolBar() |
| vfunc[1]: | non-virtual thunk to QToolBar::~QToolBar() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |

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| | |
|---|---|
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QToolBar class is described by Table 7-281

**Table 7-281 typeinfo for QToolBar**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QToolBar |
| basetype: | typeinfo for QWidget |

### 7.5.18.10 Class data for QWidgetAction

The virtual table for the QWidgetAction class is described in the generic part of this specification.

The Run Time Type Information for the QWidgetAction class is described by Table 7-282

**Table 7-282 typeinfo for QWidgetAction**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QWidgetAction |
| basetype: | typeinfo for QAction |

### 7.5.18.11 Interfaces for Qt4 Main Window and Application

An LSB conforming implementation shall provide the architecture specific functions for Qt4 Main Window and Application specified in Table 7-283, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-283 libQtGui - Qt4 Main Window and Application Function Interfaces**

| | |
|---|---|
| _ZThn8_N10QStatusBarD0Ev [CXXABI-1.86] | _ZThn8_N10QStatusBarD1Ev [CXXABI-1.86] |
| _ZThn8_N10QWorkspaceD0Ev [CXXABI-1.86] | _ZThn8_N10QWorkspaceD1Ev [CXXABI-1.86] |
| _ZThn8_N8QToolBarD0Ev [CXXABI-1.86] | _ZThn8_N8QToolBarD1Ev [CXXABI-1.86] |
| _ZThn8_N9QSizeGripD0Ev [CXXABI-1.86] | _ZThn8_N9QSizeGripD1Ev [CXXABI-1.86] |

## 7.5.19 Qt4 Menus

### 7.5.19.1 Class data for QMenu

The virtual table for the QMenu class is described by Table 7-284

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**Table 7-284 Primary vtable for QMenu**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QMenu |
| vfunc[0]: | QMenu::metaObject() const |
| vfunc[1]: | QMenu::qt_metacast(char const*) |
| vfunc[2]: | QMenu::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QMenu::~QMenu() |
| vfunc[4]: | QMenu::~QMenu() |
| vfunc[5]: | QMenu::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QMenu::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QMenu::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QMenu::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QMenu::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QMenu::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QMenu::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QMenu::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |

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| | |
|---|---|
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QMenu::enterEvent(QEvent*) |
| vfunc[28]: | QMenu::leaveEvent(QEvent*) |
| vfunc[29]: | QMenu::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QMenu::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QMenu::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QMenu::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |

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| | |
|---|---|
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |

**Table 7-285 Secondary vtable for QMenu**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QMenu |
| vfunc[0]: | non-virtual thunk to QMenu::~QMenu() |
| vfunc[1]: | non-virtual thunk to QMenu::~QMenu() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QMenu class is described by Table 7-286

**Table 7-286 typeinfo for QMenu**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QMenu |
| basetype: | typeinfo for QWidget |

### 7.5.19.2 Class data for QMenuItem

The virtual table for the QMenuItem class is described in the generic part of this specification.

The Run Time Type Information for the QMenuItem class is described by Table 7-287

**Table 7-287 typeinfo for QMenuItem**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QMenuItem |
| basetype: | typeinfo for QAction |

### 7.5.19.3 Class data for QMenuBar

The virtual table for the QMenuBar class is described by Table 7-288

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**Table 7-288 Primary vtable for QMenuBar**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QMenuBar |
| vfunc[0]: | QMenuBar::metaObject() const |
| vfunc[1]: | QMenuBar::qt_metacast(char const*) |
| vfunc[2]: | QMenuBar::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QMenuBar::~QMenuBar() |
| vfunc[4]: | QMenuBar::~QMenuBar() |
| vfunc[5]: | QMenuBar::event(QEvent*) |
| vfunc[6]: | QMenuBar::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QMenuBar::sizeHint() const |
| vfunc[15]: | QMenuBar::minimumSizeHint() const |
| vfunc[16]: | QMenuBar::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QMenuBar::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QMenuBar::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QMenuBar::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QMenuBar::keyPressEvent(QKeyEvent*) |

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| | |
|---|---|
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QMenuBar::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QMenuBar::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QMenuBar::leaveEvent(QEvent*) |
| vfunc[29]: | QMenuBar::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QMenuBar::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QMenuBar::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QMenuBar::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |

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| | |
|---|---|
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |

**Table 7-289 Secondary vtable for QMenuBar**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QMenuBar |
| vfunc[0]: | non-virtual thunk to QMenuBar::~QMenuBar() |
| vfunc[1]: | non-virtual thunk to QMenuBar::~QMenuBar() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QMenuBar class is described by Table 7-290

**Table 7-290 typeinfo for QMenuBar**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QMenuBar |
| basetype: | typeinfo for QWidget |

### 7.5.19.4 Interfaces for Qt4 Menus

An LSB conforming implementation shall provide the architecture specific functions for Qt4 Menus specified in Table 7-291, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-291 libQtGui - Qt4 Menus Function Interfaces**

| | |
|---|---|
| _ZThn8_N5QMenuD0Ev [CXXABI-1.86] | _ZThn8_N5QMenuD1Ev [CXXABI-1.86] |
| _ZThn8_N8QMenuBarD0Ev [CXXABI-1.86] | _ZThn8_N8QMenuBarD1Ev [CXXABI-1.86] |

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## 7.5.20 Qt4 Widgets

### 7.5.20.1 Class data for QWidget

The virtual table for the QWidget class is described by Table 7-292

**Table 7-292 Primary vtable for QWidget**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QWidget |
| vfunc[0]: | QWidget::metaObject() const |
| vfunc[1]: | QWidget::qt_metacast(char const*) |
| vfunc[2]: | QWidget::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QWidget::~QWidget() |
| vfunc[4]: | QWidget::~QWidget() |
| vfunc[5]: | QWidget::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QWidget::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |

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| | |
|---|---|
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent *) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent *) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent *) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent* ) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent* ) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent *) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |

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| | |
|---|---|
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |

**Table 7-293 Secondary vtable for QWidget**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QWidget |
| vfunc[0]: | non-virtual thunk to QWidget::~QWidget() |
| vfunc[1]: | non-virtual thunk to QWidget::~QWidget() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QWidget class is described by Table 7-294

**Table 7-294 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 | 2050 |

### 7.5.20.2 Class data for QFrame

The virtual table for the QFrame class is described by Table 7-295

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**Table 7-295 Primary vtable for QFrame**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QFrame |
| vfunc[0]: | QFrame::metaObject() const |
| vfunc[1]: | QFrame::qt_metacast(char const*) |
| vfunc[2]: | QFrame::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QFrame::~QFrame() |
| vfunc[4]: | QFrame::~QFrame() |
| vfunc[5]: | QFrame::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QFrame::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent*) |


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| | |
|---|---|
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QFrame::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QFrame::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |

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| | |
|---|---|
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |

**Table 7-296 Secondary vtable for QFrame**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QFrame |
| vfunc[0]: | non-virtual thunk to QFrame::~QFrame() |
| vfunc[1]: | non-virtual thunk to QFrame::~QFrame() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QFrame class is described by Table 7-297

**Table 7-297 typeinfo for QFrame**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QFrame |
| basetype: | typeinfo for QWidget |

### 7.5.20.3 Class data for QLineEdit

The virtual table for the QLineEdit class is described by Table 7-298

**Table 7-298 Primary vtable for QLineEdit**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QLineEdit |
| vfunc[0]: | QLineEdit::metaObject() const |
| vfunc[1]: | QLineEdit::qt_metacast(char const*) |

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| | |
|---|---|
| vfunc[2]: | QLineEdit::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QLineEdit::~QLineEdit() |
| vfunc[4]: | QLineEdit::~QLineEdit() |
| vfunc[5]: | QLineEdit::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QLineEdit::sizeHint() const |
| vfunc[15]: | QLineEdit::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QLineEdit::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QLineEdit::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QLineEdit::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QLineEdit::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QLineEdit::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QLineEdit::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QLineEdit::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |

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| | |
|---|---|
| vfunc[29]: | QLineEdit::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QLineEdit::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QLineEdit::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QLineEdit::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QLineEdit::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QLineEdit::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QLineEdit::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QLineEdit::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QLineEdit::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |

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**Table 7-299 Secondary vtable for QLineEdit**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QLineEdit |
| vfunc[0]: | non-virtual thunk to QLineEdit::~QLineEdit() |
| vfunc[1]: | non-virtual thunk to QLineEdit::~QLineEdit() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QLineEdit class is described by Table 7-300

**Table 7-300 typeinfo for QLineEdit**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QLineEdit |
| basetype: | typeinfo for QWidget |

### 7.5.20.4 Class data for QSlider

The virtual table for the QSlider class is described by Table 7-301

**Table 7-301 Primary vtable for QSlider**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QSlider |
| vfunc[0]: | QSlider::metaObject() const |
| vfunc[1]: | QSlider::qt_metacast(char const*) |
| vfunc[2]: | QSlider::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QSlider::~QSlider() |
| vfunc[4]: | QSlider::~QSlider() |
| vfunc[5]: | QSlider::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |

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| | |
|---|---|
| vfunc[7]: | QAbstractSlider::timerEvent(QTimer Event*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QSlider::sizeHint() const |
| vfunc[15]: | QSlider::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QSlider::mousePressEvent(QMouseE vent*) |
| vfunc[19]: | QSlider::mouseReleaseEvent(QMous eEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent( QMouseEvent*) |
| vfunc[21]: | QSlider::mouseMoveEvent(QMouseE vent*) |
| vfunc[22]: | QAbstractSlider::wheelEvent(QWhee lEvent*) |
| vfunc[23]: | QAbstractSlider::keyPressEvent(QKe yEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEve nt*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent *) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEve nt*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QSlider::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent* ) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |

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| | |
|---|---|
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QAbstractSlider::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QAbstractSlider::sliderChange(QAbstractSlider::SliderChange) |

**Table 7-302 Secondary vtable for QSlider**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QSlider |

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| | |
|---|---|
| vfunc[0]: | non-virtual thunk to QSlider::~QSlider() |
| vfunc[1]: | non-virtual thunk to QSlider::~QSlider() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QSlider class is described by Table 7-303

**Table 7-303 typeinfo for QSlider**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSlider |
| basetype: | typeinfo for QAbstractSlider |

### 7.5.20.5 Class data for QTabBar

The virtual table for the QTabBar class is described by Table 7-304

**Table 7-304 Primary vtable for QTabBar**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTabBar |
| vfunc[0]: | QTabBar::metaObject() const |
| vfunc[1]: | QTabBar::qt_metacast(char const*) |
| vfunc[2]: | QTabBar::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QTabBar::~QTabBar() |
| vfunc[4]: | QTabBar::~QTabBar() |
| vfunc[5]: | QTabBar::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |

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| | |
|---|---|
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QTabBar::sizeHint() const |
| vfunc[15]: | QTabBar::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QTabBar::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QTabBar::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QTabBar::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QTabBar::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QTabBar::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QTabBar::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |

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| | |
|---|---|
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QTabBar::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QTabBar::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QTabBar::tabSizeHint(int) const |
| vfunc[55]: | QTabBar::tabInserted(int) |
| vfunc[56]: | QTabBar::tabRemoved(int) |
| vfunc[57]: | QTabBar::tabLayoutChange() |

**Table 7-305 Secondary vtable for QTabBar**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTabBar |
| vfunc[0]: | non-virtual thunk to QTabBar::~QTabBar() |
| vfunc[1]: | non-virtual thunk to QTabBar::~QTabBar() |

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| | |
|---|---|
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QTabBar class is described by Table 7-306

**Table 7-306 typeinfo for QTabBar**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTabBar |
| basetype: | typeinfo for QWidget |

### 7.5.20.6 Class data for QTabWidget

The virtual table for the QTabWidget class is described by Table 7-307

**Table 7-307 Primary vtable for QTabWidget**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTabWidget |
| vfunc[0]: | QTabWidget::metaObject() const |
| vfunc[1]: | QTabWidget::qt_metacast(char const*) |
| vfunc[2]: | QTabWidget::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QTabWidget::~QTabWidget() |
| vfunc[4]: | QTabWidget::~QTabWidget() |
| vfunc[5]: | QTabWidget::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |

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| | |
|---|---|
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QTabWidget::sizeHint() const |
| vfunc[15]: | QTabWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QTabWidget::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QTabWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QTabWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |

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| | |
|---|---|
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QTabWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QTabWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QTabWidget::tabInserted(int) |
| vfunc[55]: | QTabWidget::tabRemoved(int) |

**Table 7-308 Secondary vtable for QTabWidget**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTabWidget |
| vfunc[0]: | non-virtual thunk to QTabWidget::~QTabWidget() |
| vfunc[1]: | non-virtual thunk to QTabWidget::~QTabWidget() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |

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| | |
|---|---|
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QTabWidget class is described by Table 7-309

**Table 7-309 typeinfo for QTabWidget**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTabWidget |
| basetype: | typeinfo for QWidget |

### 7.5.20.7 Class data for QListView

The virtual table for the QListView class is described by Table 7-310

**Table 7-310 Primary vtable for QListView**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QListView |
| vfunc[0]: | QListView::metaObject() const |
| vfunc[1]: | QListView::qt_metacast(char const*) |
| vfunc[2]: | QListView::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QListView::~QListView() |
| vfunc[4]: | QListView::~QListView() |
| vfunc[5]: | QListView::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QListView::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |

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| | |
|---|---|
| vfunc[14]: | QAbstractScrollArea::sizeHint() const |
| vfunc[15]: | QAbstractScrollArea::minimumSize Hint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QAbstractItemView::mousePressEve nt(QMouseEvent*) |
| vfunc[19]: | QListView::mouseReleaseEvent(QM ouseEvent*) |
| vfunc[20]: | QAbstractItemView::mouseDoubleCl ickEvent(QMouseEvent*) |
| vfunc[21]: | QListView::mouseMoveEvent(QMou seEvent*) |
| vfunc[22]: | QAbstractScrollArea::wheelEvent(Q WheelEvent*) |
| vfunc[23]: | QAbstractItemView::keyPressEvent( QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEve nt*) |
| vfunc[25]: | QAbstractItemView::focusInEvent(Q FocusEvent*) |
| vfunc[26]: | QAbstractItemView::focusOutEvent( QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QListView::paintEvent(QPaintEvent* ) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QListView::resizeEvent(QResizeEven t*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QAbstractScrollArea::contextMenuE vent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent* ) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent *) |
| vfunc[36]: | QAbstractItemView::dragEnterEvent (QDragEnterEvent*) |
| vfunc[37]: | QListView::dragMoveEvent(QDrag MoveEvent*) |

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| | |
|---|---|
| vfunc[38]: | QListView::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QListView::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QFrame::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QAbstractItemView::viewportEvent(QEvent*) |
| vfunc[55]: | QListView::scrollContentsBy(int, int) |
| vfunc[56]: | QAbstractItemView::setModel(QAbstractItemModel*) |
| vfunc[57]: | QAbstractItemView::setSelectionModel(QItemSelectionModel*) |
| vfunc[58]: | QAbstractItemView::keyboardSearch(QString const&) |
| vfunc[59]: | QListView::visualRect(QModelIndex const&) const |
| vfunc[60]: | QListView::scrollTo(QModelIndex const&, QAbstractItemView::ScrollHint) |
| vfunc[61]: | QListView::indexAt(QPoint const&) const |

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| | |
|---|---|
| vfunc[62]: | QAbstractItemView::sizeHintForRow(int) const |
| vfunc[63]: | QAbstractItemView::sizeHintForColumn(int) const |
| vfunc[64]: | QListView::reset() |
| vfunc[65]: | QListView::setRootIndex(QModelIndex const&) |
| vfunc[66]: | QListView::doItemsLayout() |
| vfunc[67]: | QAbstractItemView::selectAll() |
| vfunc[68]: | QListView::dataChanged(QModelIndex const&, QModelIndex const&) |
| vfunc[69]: | QListView::rowsInserted(QModelIndex const&, int, int) |
| vfunc[70]: | QListView::rowsAboutToBeRemoved(QModelIndex const&, int, int) |
| vfunc[71]: | QAbstractItemView::selectionChanged(QItemSelection const&, QItemSelection const&) |
| vfunc[72]: | QAbstractItemView::currentChanged(QModelIndex const&, QModelIndex const&) |
| vfunc[73]: | QAbstractItemView::updateEditorData() |
| vfunc[74]: | QAbstractItemView::updateEditorGeometries() |
| vfunc[75]: | QListView::updateGeometries() |
| vfunc[76]: | QAbstractItemView::verticalScrollbarAction(int) |
| vfunc[77]: | QAbstractItemView::horizontalScrollbarAction(int) |
| vfunc[78]: | QAbstractItemView::verticalScrollbarValueChanged(int) |
| vfunc[79]: | QAbstractItemView::horizontalScrollbarValueChanged(int) |
| vfunc[80]: | QAbstractItemView::closeEditor(QWidget*, QAbstractItemDelegate::EndEditHint) |
| vfunc[81]: | QAbstractItemView::commitData(QWidget*) |
| vfunc[82]: | QAbstractItemView::editorDestroyed(QObject*) |

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| | |
|---|---|
| vfunc[83]: | QListView::moveCursor(QAbstractItemView::CursorAction, QFlags<Qt::KeyboardModifier>) |
| vfunc[84]: | QListView::horizontalOffset() const |
| vfunc[85]: | QListView::verticalOffset() const |
| vfunc[86]: | QListView::isIndexHidden(QModelIndex const&) const |
| vfunc[87]: | QListView::setSelection(QRect const&, QFlags<QItemSelectionModel::SelectionFlag>) |
| vfunc[88]: | QListView::visualRegionForSelection(QItemSelection const&) const |
| vfunc[89]: | QListView::selectedIndexes() const |
| vfunc[90]: | QAbstractItemView::edit(QModelIndex const&, QAbstractItemView::EditTrigger, QEvent*) |
| vfunc[91]: | QAbstractItemView::selectionCommand(QModelIndex const&, QEvent const*) const |
| vfunc[92]: | QListView::startDrag(QFlags<Qt::DropAction>) |
| vfunc[93]: | QListView::viewOptions() const |

**Table 7-311 Secondary vtable for QListView**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QListView |
| vfunc[0]: | non-virtual thunk to QListView::~QListView() |
| vfunc[1]: | non-virtual thunk to QListView::~QListView() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QListView class is described by Table 7-312

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**Table 7-312 typeinfo for QListView**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QListView |
| basetype: | typeinfo for QAbstractItemView |

### 7.5.20.8 Class data for QListWidgetItem

The virtual table for the QListWidgetItem class is described in the generic part of this specification.

The Run Time Type Information for the QListWidgetItem class is described by Table 7-313

**Table 7-313 typeinfo for QListWidgetItem**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QListWidgetItem |

### 7.5.20.9 Class data for QListWidget

The virtual table for the QListWidget class is described by Table 7-314

**Table 7-314 Primary vtable for QListWidget**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QListWidget |
| vfunc[0]: | QListWidget::metaObject() const |
| vfunc[1]: | QListWidget::qt_metacast(char const*) |
| vfunc[2]: | QListWidget::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QListWidget::~QListWidget() |
| vfunc[4]: | QListWidget::~QListWidget() |
| vfunc[5]: | QListWidget::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QListView::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |

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| | |
|---|---|
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QAbstractScrollArea::sizeHint() const |
| vfunc[15]: | QAbstractScrollArea::minimumSize Hint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QAbstractItemView::mousePressEve nt(QMouseEvent*) |
| vfunc[19]: | QListView::mouseReleaseEvent(QM ouseEvent*) |
| vfunc[20]: | QAbstractItemView::mouseDoubleCl ickEvent(QMouseEvent*) |
| vfunc[21]: | QListView::mouseMoveEvent(QMou seEvent*) |
| vfunc[22]: | QAbstractScrollArea::wheelEvent(Q WheelEvent*) |
| vfunc[23]: | QAbstractItemView::keyPressEvent( QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEve nt*) |
| vfunc[25]: | QAbstractItemView::focusInEvent(Q FocusEvent*) |
| vfunc[26]: | QAbstractItemView::focusOutEvent( QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QListView::paintEvent(QPaintEvent* ) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QListView::resizeEvent(QResizeEven t*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QAbstractScrollArea::contextMenuE vent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent* ) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent *) |


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| | |
|---|---|
| vfunc[36]: | QAbstractItemView::dragEnterEvent (QDragEnterEvent*) |
| vfunc[37]: | QListView::dragMoveEvent(QDrag MoveEvent*) |
| vfunc[38]: | QListView::dragLeaveEvent(QDragL eaveEvent*) |
| vfunc[39]: | QListView::dropEvent(QDropEvent* ) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QFrame::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::Paint DeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInput MethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::In putMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange( bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QAbstractItemView::viewportEvent( QEvent*) |
| vfunc[55]: | QListView::scrollContentsBy(int, int) |
| vfunc[56]: | QListWidget::setModel(QAbstractIte mModel*) |
| vfunc[57]: | QAbstractItemView::setSelectionMo del(QItemSelectionModel*) |
| vfunc[58]: | QAbstractItemView::keyboardSearch (QString const&) |
| vfunc[59]: | QListView::visualRect(QModelIndex const&) const |

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| | |
|---|---|
| vfunc[60]: | QListView::scrollTo(QModelIndex const&, QAbstractItemView::ScrollHint) |
| vfunc[61]: | QListView::indexAt(QPoint const&) const |
| vfunc[62]: | QAbstractItemView::sizeHintForRow(int) const |
| vfunc[63]: | QAbstractItemView::sizeHintForColumn(int) const |
| vfunc[64]: | QListView::reset() |
| vfunc[65]: | QListView::setRootIndex(QModelIndex const&) |
| vfunc[66]: | QListView::doItemsLayout() |
| vfunc[67]: | QAbstractItemView::selectAll() |
| vfunc[68]: | QListView::dataChanged(QModelIndex const&, QModelIndex const&) |
| vfunc[69]: | QListView::rowsInserted(QModelIndex const&, int, int) |
| vfunc[70]: | QListView::rowsAboutToBeRemoved(QModelIndex const&, int, int) |
| vfunc[71]: | QAbstractItemView::selectionChanged(QItemSelection const&, QItemSelection const&) |
| vfunc[72]: | QAbstractItemView::currentChanged(QModelIndex const&, QModelIndex const&) |
| vfunc[73]: | QAbstractItemView::updateEditorData() |
| vfunc[74]: | QAbstractItemView::updateEditorGeometries() |
| vfunc[75]: | QListView::updateGeometries() |
| vfunc[76]: | QAbstractItemView::verticalScrollbarAction(int) |
| vfunc[77]: | QAbstractItemView::horizontalScrollbarAction(int) |
| vfunc[78]: | QAbstractItemView::verticalScrollbarValueChanged(int) |
| vfunc[79]: | QAbstractItemView::horizontalScrollbarValueChanged(int) |
| vfunc[80]: | QAbstractItemView::closeEditor(QWidget*, |

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| | |
|---|---|
| | QAbstractItemDelegate::EndEditHint ) |
| vfunc[81]: | QAbstractItemView::commitData(Q Widget*) |
| vfunc[82]: | QAbstractItemView::editorDestroyed (QObject*) |
| vfunc[83]: | QListView::moveCursor(QAbstractIt emView::CursorAction, QFlags<Qt::KeyboardModifier>) |
| vfunc[84]: | QListView::horizontalOffset() const |
| vfunc[85]: | QListView::verticalOffset() const |
| vfunc[86]: | QListView::isIndexHidden(QModelI ndex const&) const |
| vfunc[87]: | QListView::setSelection(QRect const&, QFlags<QItemSelectionModel::Select ionFlag>) |
| vfunc[88]: | QListView::visualRegionForSelection (QItemSelection const&) const |
| vfunc[89]: | QListView::selectedIndexes() const |
| vfunc[90]: | QAbstractItemView::edit(QModelInd ex const&, QAbstractItemView::EditTrigger, QEvent*) |
| vfunc[91]: | QAbstractItemView::selectionComm and(QModelIndex const&, QEvent const*) const |
| vfunc[92]: | QListView::startDrag(QFlags<Qt::Dr opAction>) |
| vfunc[93]: | QListView::viewOptions() const |
| vfunc[94]: | QListWidget::mimeTypes() const |
| vfunc[95]: | QListWidget::mimeData(QList<QList WidgetItem*>) const |
| vfunc[96]: | QListWidget::dropMimeData(int, QMimeData const*, Qt::DropAction) |
| vfunc[97]: | QListWidget::supportedDropActions () const |

**Table 7-315 Secondary vtable for QListWidget**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QListWidget |

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| | |
|---|---|
| vfunc[0]: | non-virtual thunk to QListWidget::~QListWidget() |
| vfunc[1]: | non-virtual thunk to QListWidget::~QListWidget() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QListWidget class is described by Table 7-316

**Table 7-316 typeinfo for QListWidget**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QListWidget |
| basetype: | typeinfo for QListView |

### 7.5.20.10 Class data for QDesktopWidget

The virtual table for the QDesktopWidget class is described by Table 7-317

**Table 7-317 Primary vtable for QDesktopWidget**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QDesktopWidget |
| vfunc[0]: | QDesktopWidget::metaObject() const |
| vfunc[1]: | QDesktopWidget::qt_metacast(char const*) |
| vfunc[2]: | QDesktopWidget::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QDesktopWidget::~QDesktopWidget() |
| vfunc[4]: | QDesktopWidget::~QDesktopWidget() |
| vfunc[5]: | QWidget::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |

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| | |
|---|---|
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QWidget::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QDesktopWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |

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| | |
|---|---|
| vfunc[35]: | QWidget::actionEvent(QActionEvent *) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |

**Table 7-318 Secondary vtable for QDesktopWidget**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QDesktopWidget |
| vfunc[0]: | non-virtual thunk to QDesktopWidget::~QDesktopWidget() |
| vfunc[1]: | non-virtual thunk to QDesktopWidget::~QDesktopWidget() |


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| | |
|---|---|
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QDesktopWidget class is described by Table 7-319

**Table 7-319 typeinfo for QDesktopWidget**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QDesktopWidget |
| basetype: | typeinfo for QWidget |

### 7.5.20.11 Class data for QInputContextFactoryInterface

The virtual table for the QInputContextFactoryInterface class is described in the generic part of this specification.

The Run Time Type Information for the QInputContextFactoryInterface class is described by Table 7-320

**Table 7-320 typeinfo for QInputContextFactoryInterface**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QInputContextFactoryInterface |
| basetype: | typeinfo for QFactoryInterface |

### 7.5.20.12 Class data for QInputContext

The virtual table for the QInputContext class is described in the generic part of this specification.

The Run Time Type Information for the QInputContext class is described by Table 7-321

**Table 7-321 typeinfo for QInputContext**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QInputContext |
| basetype: | typeinfo for QObject |

### 7.5.20.13 Class data for QCheckBox

The virtual table for the QCheckBox class is described by Table 7-322

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**Table 7-322 Primary vtable for QCheckBox**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QCheckBox |
| vfunc[0]: | QCheckBox::metaObject() const |
| vfunc[1]: | QCheckBox::qt_metacast(char const*) |
| vfunc[2]: | QCheckBox::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | NULL or QCheckBox::~QCheckBox() |
| vfunc[4]: | NULL or QCheckBox::~QCheckBox() |
| vfunc[5]: | QCheckBox::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QAbstractButton::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QCheckBox::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QAbstractButton::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QAbstractButton::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QCheckBox::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QAbstractButton::keyPressEvent(QKeyEvent*) |


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| | |
|---|---|
| vfunc[24]: | QAbstractButton::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QAbstractButton::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QAbstractButton::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QCheckBox::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QAbstractButton::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |

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| | |
|---|---|
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QCheckBox::hitButton(QPoint const&) const |
| vfunc[55]: | QCheckBox::checkStateSet() |
| vfunc[56]: | QCheckBox::nextCheckState() |

**Table 7-323 Secondary vtable for QCheckBox**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QCheckBox |
| vfunc[0]: | NULL or non-virtual thunk to QCheckBox::~QCheckBox() |
| vfunc[1]: | NULL or non-virtual thunk to QCheckBox::~QCheckBox() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QCheckBox class is described by Table 7-324

**Table 7-324 typeinfo for QCheckBox**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QCheckBox |
| basetype: | typeinfo for QAbstractButton |

### 7.5.20.14 Class data for QSpinBox

The virtual table for the QSpinBox class is described by Table 7-325

**Table 7-325 Primary vtable for QSpinBox**

| | |
|---|---|
| Base Offset | 0 |


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| | |
|---|---|
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QSpinBox |
| vfunc[0]: | QSpinBox::metaObject() const |
| vfunc[1]: | QSpinBox::qt_metacast(char const*) |
| vfunc[2]: | QSpinBox::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | NULL or QSpinBox::~QSpinBox() |
| vfunc[4]: | NULL or QSpinBox::~QSpinBox() |
| vfunc[5]: | QSpinBox::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QAbstractSpinBox::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QAbstractSpinBox::sizeHint() const |
| vfunc[15]: | QAbstractSpinBox::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QAbstractSpinBox::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QAbstractSpinBox::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QAbstractSpinBox::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QAbstractSpinBox::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QAbstractSpinBox::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QAbstractSpinBox::keyReleaseEvent(QKeyEvent*) |

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| | |
|---|---|
| vfunc[25]: | QAbstractSpinBox::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QAbstractSpinBox::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QAbstractSpinBox::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QAbstractSpinBox::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QAbstractSpinBox::closeEvent(QCloseEvent*) |
| vfunc[33]: | QAbstractSpinBox::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QAbstractSpinBox::showEvent(QShowEvent*) |
| vfunc[41]: | QAbstractSpinBox::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QAbstractSpinBox::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |

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| | |
|---|---|
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QSpinBox::validate(QString&, int&) const |
| vfunc[55]: | QSpinBox::fixup(QString&) const |
| vfunc[56]: | QAbstractSpinBox::stepBy(int) |
| vfunc[57]: | QAbstractSpinBox::clear() |
| vfunc[58]: | QAbstractSpinBox::stepEnabled() const |
| vfunc[59]: | QSpinBox::valueFromText(QString const&) const |
| vfunc[60]: | QSpinBox::textFromValue(int) const |

**Table 7-326 Secondary vtable for QSpinBox**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QSpinBox |
| vfunc[0]: | NULL or non-virtual thunk to QSpinBox::~QSpinBox() |
| vfunc[1]: | NULL or non-virtual thunk to QSpinBox::~QSpinBox() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QSpinBox class is described by Table 7-327

**Table 7-327 typeinfo for QSpinBox**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSpinBox |

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| | |
|---|---|
| basetype: | typeinfo for QAbstractSpinBox |

### 7.5.20.15 Class data for QDoubleSpinBox

The virtual table for the QDoubleSpinBox class is described by Table 7-328

**Table 7-328 Primary vtable for QDoubleSpinBox**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QDoubleSpinBox |
| vfunc[0]: | QDoubleSpinBox::metaObject() const |
| vfunc[1]: | QDoubleSpinBox::qt_metacast(char const*) |
| vfunc[2]: | QDoubleSpinBox::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | NULL or QDoubleSpinBox::~QDoubleSpinBox() |
| vfunc[4]: | NULL or QDoubleSpinBox::~QDoubleSpinBox() |
| vfunc[5]: | QAbstractSpinBox::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QAbstractSpinBox::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QAbstractSpinBox::sizeHint() const |
| vfunc[15]: | QAbstractSpinBox::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QAbstractSpinBox::mousePressEvent(QMouseEvent*) |


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| | |
|---|---|
| vfunc[19]: | QAbstractSpinBox::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QAbstractSpinBox::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QAbstractSpinBox::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QAbstractSpinBox::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QAbstractSpinBox::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QAbstractSpinBox::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QAbstractSpinBox::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QAbstractSpinBox::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QAbstractSpinBox::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QAbstractSpinBox::closeEvent(QCloseEvent*) |
| vfunc[33]: | QAbstractSpinBox::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QAbstractSpinBox::showEvent(QShowEvent*) |

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| | |
|---|---|
| vfunc[41]: | QAbstractSpinBox::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QAbstractSpinBox::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QDoubleSpinBox::validate(QString&, int&) const |
| vfunc[55]: | QDoubleSpinBox::fixup(QString&) const |
| vfunc[56]: | QAbstractSpinBox::stepBy(int) |
| vfunc[57]: | QAbstractSpinBox::clear() |
| vfunc[58]: | QAbstractSpinBox::stepEnabled() const |
| vfunc[59]: | QDoubleSpinBox::valueFromText(QString const&) const |
| vfunc[60]: | QDoubleSpinBox::textFromValue(double) const |

**Table 7-329 Secondary vtable for QDoubleSpinBox**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QDoubleSpinBox |
| vfunc[0]: | NULL or non-virtual thunk to QDoubleSpinBox::~QDoubleSpinBox() |

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| | |
|---|---|
| vfunc[1]: | NULL or non-virtual thunk to QDoubleSpinBox::~QDoubleSpinBox () |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QDoubleSpinBox class is described by Table 7-330

**Table 7-330 typeinfo for QDoubleSpinBox**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QDoubleSpinBox |
| basetype: | typeinfo for QAbstractSpinBox |

### 7.5.20.16 Class data for QLCDNumber

The virtual table for the QLCDNumber class is described by Table 7-331

**Table 7-331 Primary vtable for QLCDNumber**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QLCDNumber |
| vfunc[0]: | QLCDNumber::metaObject() const |
| vfunc[1]: | QLCDNumber::qt_metacast(char const*) |
| vfunc[2]: | QLCDNumber::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QLCDNumber::~QLCDNumber() |
| vfunc[4]: | QLCDNumber::~QLCDNumber() |
| vfunc[5]: | QLCDNumber::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |

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| | |
|---|---|
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QLCDNumber::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QLCDNumber::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |

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| | |
|---|---|
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QFrame::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |

**Table 7-332 Secondary vtable for QLCDNumber**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QLCDNumber |
| vfunc[0]: | non-virtual thunk to QLCDNumber::~QLCDNumber() |
| vfunc[1]: | non-virtual thunk to QLCDNumber::~QLCDNumber() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |

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| | |
|---|---|
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QLCDNumber class is described by Table 7-333

**Table 7-333 typeinfo for QLCDNumber**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QLCDNumber |
| basetype: | typeinfo for QFrame |

### 7.5.20.17 Class data for QStackedWidget

The virtual table for the QStackedWidget class is described by Table 7-334

**Table 7-334 Primary vtable for QStackedWidget**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QStackedWidget |
| vfunc[0]: | QStackedWidget::metaObject() const |
| vfunc[1]: | QStackedWidget::qt_metacast(char const*) |
| vfunc[2]: | QStackedWidget::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QStackedWidget::~QStackedWidget() |
| vfunc[4]: | QStackedWidget::~QStackedWidget() |
| vfunc[5]: | QStackedWidget::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QFrame::sizeHint() const |


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| | |
|---|---|
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QFrame::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |

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| | |
|---|---|
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QFrame::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |

**Table 7-335 Secondary vtable for QStackedWidget**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QStackedWidget |
| vfunc[0]: | non-virtual thunk to QStackedWidget::~QStackedWidget() |
| vfunc[1]: | non-virtual thunk to QStackedWidget::~QStackedWidget() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QStackedWidget class is described by Table 7-336

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**Table 7-336 typeinfo for QStackedWidget**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QStackedWidget |
| basetype: | typeinfo for QFrame |

### 7.5.20.18 Class data for QPushButton

The virtual table for the QPushButton class is described by Table 7-337

**Table 7-337 Primary vtable for QPushButton**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QPushButton |
| vfunc[0]: | QPushButton::metaObject() const |
| vfunc[1]: | QPushButton::qt_metacast(char const*) |
| vfunc[2]: | QPushButton::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QPushButton::~QPushButton() |
| vfunc[4]: | QPushButton::~QPushButton() |
| vfunc[5]: | QPushButton::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QAbstractButton::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QPushButton::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QAbstractButton::mousePressEvent(QMouseEvent*) |

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| | |
|---|---|
| vfunc[19]: | QAbstractButton::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QAbstractButton::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QPushButton::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QAbstractButton::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QPushButton::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QPushButton::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QPushButton::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |

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| | |
|---|---|
| vfunc[43]: | QAbstractButton::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QAbstractButton::hitButton(QPoint const&) const |
| vfunc[55]: | QAbstractButton::checkStateSet() |
| vfunc[56]: | QAbstractButton::nextCheckState() |

**Table 7-338 Secondary vtable for QPushButton**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QPushButton |
| vfunc[0]: | non-virtual thunk to QPushButton::~QPushButton() |
| vfunc[1]: | non-virtual thunk to QPushButton::~QPushButton() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QPushButton class is described by Table 7-339

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**Table 7-339 typeinfo for QPushButton**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QPushButton |
| basetype: | typeinfo for QAbstractButton |

### 7.5.20.19 Class data for QLabel

The virtual table for the QLabel class is described by Table 7-340

**Table 7-340 Primary vtable for QLabel**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QLabel |
| vfunc[0]: | QLabel::metaObject() const |
| vfunc[1]: | QLabel::qt_metacast(char const*) |
| vfunc[2]: | QLabel::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QLabel::~QLabel() |
| vfunc[4]: | QLabel::~QLabel() |
| vfunc[5]: | QLabel::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QLabel::sizeHint() const |
| vfunc[15]: | QLabel::minimumSizeHint() const |
| vfunc[16]: | QLabel::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |


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| | |
|---|---|
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QLabel::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QLabel::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

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| | |
|---|---|
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |

**Table 7-341 Secondary vtable for QLabel**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QLabel |
| vfunc[0]: | non-virtual thunk to QLabel::~QLabel() |
| vfunc[1]: | non-virtual thunk to QLabel::~QLabel() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QLabel class is described by Table 7-342

**Table 7-342 typeinfo for QLabel**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QLabel |
| basetype: | typeinfo for QFrame |

### 7.5.20.20 Class data for QDockWidget

The virtual table for the QDockWidget class is described by Table 7-343


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**Table 7-343 Primary vtable for QDockWidget**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QDockWidget |
| vfunc[0]: | QDockWidget::metaObject() const |
| vfunc[1]: | QDockWidget::qt_metacast(char const*) |
| vfunc[2]: | QDockWidget::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QDockWidget::~QDockWidget() |
| vfunc[4]: | QDockWidget::~QDockWidget() |
| vfunc[5]: | QDockWidget::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QWidget::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent*) |

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| | |
|---|---|
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QDockWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QDockWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QDockWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |


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| | |
|---|---|
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |

**Table 7-344 Secondary vtable for QDockWidget**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QDockWidget |
| vfunc[0]: | non-virtual thunk to QDockWidget::~QDockWidget() |
| vfunc[1]: | non-virtual thunk to QDockWidget::~QDockWidget() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QDockWidget class is described by Table 7-345

**Table 7-345 typeinfo for QDockWidget**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QDockWidget |
| basetype: | typeinfo for QWidget |

### 7.5.20.21 Class data for QMainWindow

The virtual table for the QMainWindow class is described by Table 7-346

**Table 7-346 Primary vtable for QMainWindow**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QMainWindow |

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| | |
|---|---|
| vfunc[0]: | QMainWindow::metaObject() const |
| vfunc[1]: | QMainWindow::qt_metacast(char const*) |
| vfunc[2]: | QMainWindow::qt_metacall(QMeta Object::Call, int, void**) |
| vfunc[3]: | QMainWindow::~QMainWindow() |
| vfunc[4]: | QMainWindow::~QMainWindow() |
| vfunc[5]: | QMainWindow::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QWidget::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouse Event*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMou seEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent( QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMous eEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent *) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent *) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEve nt*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent *) |


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| | |
|---|---|
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QMainWindow::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |

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| | |
|---|---|
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QMainWindow::createPopupMenu() |

**Table 7-347 Secondary vtable for QMainWindow**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QMainWindow |
| vfunc[0]: | non-virtual thunk to QMainWindow::~QMainWindow() |
| vfunc[1]: | non-virtual thunk to QMainWindow::~QMainWindow() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QMainWindow class is described by Table 7-348

**Table 7-348 typeinfo for QMainWindow**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QMainWindow |
| basetype: | typeinfo for QWidget |

### 7.5.20.22 Class data for QTextEdit

The virtual table for the QTextEdit class is described by Table 7-349

**Table 7-349 Primary vtable for QTextEdit**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTextEdit |
| vfunc[0]: | QTextEdit::metaObject() const |
| vfunc[1]: | QTextEdit::qt_metacast(char const*) |
| vfunc[2]: | QTextEdit::qt_metacall(QMetaObject::Call, int, void**) |

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| | |
|---|---|
| vfunc[3]: | QTextEdit::~QTextEdit() |
| vfunc[4]: | QTextEdit::~QTextEdit() |
| vfunc[5]: | QTextEdit::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QTextEdit::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QAbstractScrollArea::sizeHint() const |
| vfunc[15]: | QAbstractScrollArea::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QTextEdit::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QTextEdit::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QTextEdit::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QTextEdit::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QTextEdit::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QTextEdit::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QTextEdit::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QTextEdit::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |

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| | |
|---|---|
| vfunc[29]: | QTextEdit::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QTextEdit::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QTextEdit::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QTextEdit::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QTextEdit::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QTextEdit::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QTextEdit::dropEvent(QDropEvent*) |
| vfunc[40]: | QTextEdit::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QTextEdit::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QTextEdit::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QTextEdit::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QTextEdit::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |


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| | |
|---|---|
| vfunc[54]: | QAbstractScrollArea::viewportEvent(QEvent*) |
| vfunc[55]: | QTextEdit::scrollContentsBy(int, int) |
| vfunc[56]: | QTextEdit::loadResource(int, QUrl const&) |
| vfunc[57]: | QTextEdit::createMimeDataFromSelection() const |
| vfunc[58]: | QTextEdit::canInsertFromMimeData(QMimeData const*) const |
| vfunc[59]: | QTextEdit::insertFromMimeData(QMimeData const*) |

**Table 7-350 Secondary vtable for QTextEdit**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTextEdit |
| vfunc[0]: | non-virtual thunk to QTextEdit::~QTextEdit() |
| vfunc[1]: | non-virtual thunk to QTextEdit::~QTextEdit() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QTextEdit class is described by Table 7-351

**Table 7-351 typeinfo for QTextEdit**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTextEdit |
| basetype: | typeinfo for QAbstractScrollArea |

### 7.5.20.23 Class data for QProgressBar

The virtual table for the QProgressBar class is described by Table 7-352

**Table 7-352 Primary vtable for QProgressBar**

| | |
|---|---|
| Base Offset | 0 |

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| | |
|---|---|
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QProgressBar |
| vfunc[0]: | QProgressBar::metaObject() const |
| vfunc[1]: | QProgressBar::qt_metacast(char const*) |
| vfunc[2]: | QProgressBar::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | NULL or QProgressBar::~QProgressBar() |
| vfunc[4]: | NULL or QProgressBar::~QProgressBar() |
| vfunc[5]: | QProgressBar::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QProgressBar::sizeHint() const |
| vfunc[15]: | QProgressBar::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent*) |


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| | |
|---|---|
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QProgressBar::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |

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| | |
|---|---|
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QProgressBar::text() const |

**Table 7-353 Secondary vtable for QProgressBar**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QProgressBar |
| vfunc[0]: | NULL or non-virtual thunk to QProgressBar::~QProgressBar() |
| vfunc[1]: | NULL or non-virtual thunk to QProgressBar::~QProgressBar() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QProgressBar class is described by Table 7-354

**Table 7-354 typeinfo for QProgressBar**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QProgressBar |
| basetype: | typeinfo for QWidget |

### 7.5.20.24 Class data for QScrollBar

The virtual table for the QScrollBar class is described by Table 7-355

**Table 7-355 Primary vtable for QScrollBar**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QScrollBar |


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| | |
|---|---|
| vfunc[0]: | QScrollBar::metaObject() const |
| vfunc[1]: | QScrollBar::qt_metacast(char const*) |
| vfunc[2]: | QScrollBar::qt_metacall(QMetaObject ::Call, int, void**) |
| vfunc[3]: | QScrollBar::~QScrollBar() |
| vfunc[4]: | QScrollBar::~QScrollBar() |
| vfunc[5]: | QScrollBar::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QAbstractSlider::timerEvent(QTimer Event*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QScrollBar::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QScrollBar::mousePressEvent(QMou seEvent*) |
| vfunc[19]: | QScrollBar::mouseReleaseEvent(QM ouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent( QMouseEvent*) |
| vfunc[21]: | QScrollBar::mouseMoveEvent(QMou seEvent*) |
| vfunc[22]: | QAbstractSlider::wheelEvent(QWhee lEvent*) |
| vfunc[23]: | QAbstractSlider::keyPressEvent(QKe yEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEve nt*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent *) |

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| | |
|---|---|
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QScrollBar::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QScrollBar::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QScrollBar::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QAbstractSlider::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |

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| | |
|---|---|
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QScrollBar::sliderChange(QAbstractSlider::SliderChange) |

**Table 7-356 Secondary vtable for QScrollBar**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QScrollBar |
| vfunc[0]: | non-virtual thunk to QScrollBar::~QScrollBar() |
| vfunc[1]: | non-virtual thunk to QScrollBar::~QScrollBar() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QScrollBar class is described by Table 7-357

**Table 7-357 typeinfo for QScrollBar**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QScrollBar |
| basetype: | typeinfo for QAbstractSlider |

### 7.5.20.25 Class data for QTextBrowser

The virtual table for the QTextBrowser class is described by Table 7-358

**Table 7-358 Primary vtable for QTextBrowser**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTextBrowser |
| vfunc[0]: | QTextBrowser::metaObject() const |
| vfunc[1]: | QTextBrowser::qt_metacast(char const*) |

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| | |
|---|---|
| vfunc[2]: | QTextBrowser::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QTextBrowser::~QTextBrowser() |
| vfunc[4]: | QTextBrowser::~QTextBrowser() |
| vfunc[5]: | QTextBrowser::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QTextEdit::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QAbstractScrollArea::sizeHint() const |
| vfunc[15]: | QAbstractScrollArea::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QTextBrowser::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QTextBrowser::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QTextEdit::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QTextBrowser::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QTextEdit::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QTextBrowser::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QTextEdit::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QTextBrowser::focusOutEvent(QFocusEvent*) |


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| | |
|---|---|
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QTextBrowser::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QTextEdit::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QTextEdit::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QTextEdit::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QTextEdit::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QTextEdit::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QTextEdit::dropEvent(QDropEvent*) |
| vfunc[40]: | QTextEdit::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QTextEdit::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QTextEdit::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QTextEdit::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QTextBrowser::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |

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| | |
|---|---|
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QAbstractScrollArea::viewportEvent(QEvent*) |
| vfunc[55]: | QTextEdit::scrollContentsBy(int, int) |
| vfunc[56]: | QTextBrowser::loadResource(int, QUrl const&) |
| vfunc[57]: | QTextEdit::createMimeDataFromSelection() const |
| vfunc[58]: | QTextEdit::canInsertFromMimeData(QMimeData const*) const |
| vfunc[59]: | QTextEdit::insertFromMimeData(QMimeData const*) |
| vfunc[60]: | QTextBrowser::setSource(QUrl const&) |
| vfunc[61]: | QTextBrowser::backward() |
| vfunc[62]: | QTextBrowser::forward() |
| vfunc[63]: | QTextBrowser::home() |
| vfunc[64]: | QTextBrowser::reload() |

**Table 7-359 Secondary vtable for QTextBrowser**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QTextBrowser |
| vfunc[0]: | non-virtual thunk to QTextBrowser::~QTextBrowser() |
| vfunc[1]: | non-virtual thunk to QTextBrowser::~QTextBrowser() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QTextBrowser class is described by Table 7-360

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**Table 7-360 typeinfo for QTextBrowser**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTextBrowser |
| basetype: | typeinfo for QTextEdit |

### 7.5.20.26 Class data for QScrollArea

The virtual table for the QScrollArea class is described by Table 7-361

**Table 7-361 Primary vtable for QScrollArea**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QScrollArea |
| vfunc[0]: | QScrollArea::metaObject() const |
| vfunc[1]: | QScrollArea::qt_metacast(char const*) |
| vfunc[2]: | QScrollArea::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QScrollArea::~QScrollArea() |
| vfunc[4]: | QScrollArea::~QScrollArea() |
| vfunc[5]: | QScrollArea::event(QEvent*) |
| vfunc[6]: | QScrollArea::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QScrollArea::sizeHint() const |
| vfunc[15]: | QAbstractScrollArea::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QAbstractScrollArea::mousePressEvent(QMouseEvent*) |

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| | |
|---|---|
| vfunc[19]: | QAbstractScrollArea::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QAbstractScrollArea::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QAbstractScrollArea::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QAbstractScrollArea::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QAbstractScrollArea::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QAbstractScrollArea::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QScrollArea::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QAbstractScrollArea::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QAbstractScrollArea::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QAbstractScrollArea::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QAbstractScrollArea::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QAbstractScrollArea::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |


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| | |
|---|---|
| vfunc[43]: | QFrame::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QScrollArea::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QAbstractScrollArea::viewportEvent(QEvent*) |
| vfunc[55]: | QScrollArea::scrollContentsBy(int, int) |

**Table 7-362 Secondary vtable for QScrollArea**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QScrollArea |
| vfunc[0]: | non-virtual thunk to QScrollArea::~QScrollArea() |
| vfunc[1]: | non-virtual thunk to QScrollArea::~QScrollArea() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QScrollArea class is described by Table 7-363

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**Table 7-363 typeinfo for QScrollArea**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QScrollArea |
| basetype: | typeinfo for QAbstractScrollArea |

### 7.5.20.27 Class data for QToolButton

The virtual table for the QToolButton class is described by Table 7-364

**Table 7-364 Primary vtable for QToolButton**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QToolButton |
| vfunc[0]: | QToolButton::metaObject() const |
| vfunc[1]: | QToolButton::qt_metacast(char const*) |
| vfunc[2]: | QToolButton::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QToolButton::~QToolButton() |
| vfunc[4]: | QToolButton::~QToolButton() |
| vfunc[5]: | QToolButton::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QToolButton::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QToolButton::sizeHint() const |
| vfunc[15]: | QToolButton::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QToolButton::mousePressEvent(QMouseEvent*) |


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| | |
|---|---|
| vfunc[19]: | QAbstractButton::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QAbstractButton::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QAbstractButton::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QAbstractButton::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QAbstractButton::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QAbstractButton::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QToolButton::enterEvent(QEvent*) |
| vfunc[28]: | QToolButton::leaveEvent(QEvent*) |
| vfunc[29]: | QToolButton::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QToolButton::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |

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| | |
|---|---|
| vfunc[43]: | QToolButton::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QAbstractButton::hitButton(QPoint const&) const |
| vfunc[55]: | QAbstractButton::checkStateSet() |
| vfunc[56]: | QToolButton::nextCheckState() |

**Table 7-365 Secondary vtable for QToolButton**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QToolButton |
| vfunc[0]: | non-virtual thunk to QToolButton::~QToolButton() |
| vfunc[1]: | non-virtual thunk to QToolButton::~QToolButton() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QToolButton class is described by Table 7-366

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**Table 7-366 typeinfo for QToolButton**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QToolButton |
| basetype: | typeinfo for QAbstractButton |

### 7.5.20.28 Class data for QComboBox

The virtual table for the QComboBox class is described by Table 7-367

**Table 7-367 Primary vtable for QComboBox**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QComboBox |
| vfunc[0]: | QComboBox::metaObject() const |
| vfunc[1]: | QComboBox::qt_metacast(char const*) |
| vfunc[2]: | QComboBox::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QComboBox::~QComboBox() |
| vfunc[4]: | QComboBox::~QComboBox() |
| vfunc[5]: | QComboBox::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QComboBox::sizeHint() const |
| vfunc[15]: | QComboBox::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QComboBox::mousePressEvent(QMouseEvent*) |

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| | |
|---|---|
| vfunc[19]: | QComboBox::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QComboBox::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QComboBox::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QComboBox::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QComboBox::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QComboBox::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QComboBox::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QComboBox::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QComboBox::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QComboBox::showEvent(QShowEvent*) |
| vfunc[41]: | QComboBox::hideEvent(QHideEvent*) |

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| | |
|---|---|
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QComboBox::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QComboBox::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QComboBox::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QComboBox::showPopup() |
| vfunc[55]: | QComboBox::hidePopup() |

**Table 7-368 Secondary vtable for QComboBox**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QComboBox |
| vfunc[0]: | non-virtual thunk to QComboBox::~QComboBox() |
| vfunc[1]: | non-virtual thunk to QComboBox::~QComboBox() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QComboBox class is described by Table 7-369

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**Table 7-369 typeinfo for QComboBox**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QComboBox |
| basetype: | typeinfo for QWidget |

### 7.5.20.29 Class data for QRadioButton

The virtual table for the QRadioButton class is described by Table 7-370

**Table 7-370 Primary vtable for QRadioButton**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QRadioButton |
| vfunc[0]: | QRadioButton::metaObject() const |
| vfunc[1]: | QRadioButton::qt_metacast(char const*) |
| vfunc[2]: | QRadioButton::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | NULL or QRadioButton::~QRadioButton() |
| vfunc[4]: | NULL or QRadioButton::~QRadioButton() |
| vfunc[5]: | QRadioButton::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QAbstractButton::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QRadioButton::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |


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| | |
|---|---|
| vfunc[18]: | QAbstractButton::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QAbstractButton::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QRadioButton::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QAbstractButton::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QAbstractButton::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QAbstractButton::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QAbstractButton::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QRadioButton::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |

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| | |
|---|---|
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QAbstractButton::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QRadioButton::hitButton(QPoint const&) const |
| vfunc[55]: | QAbstractButton::checkStateSet() |
| vfunc[56]: | QAbstractButton::nextCheckState() |

**Table 7-371 Secondary vtable for QRadioButton**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QRadioButton |
| vfunc[0]: | NULL or non-virtual thunk to QRadioButton::~QRadioButton() |
| vfunc[1]: | NULL or non-virtual thunk to QRadioButton::~QRadioButton() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QRadioButton class is described by Table 7-372

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**Table 7-372 typeinfo for QRadioButton**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QRadioButton |
| basetype: | typeinfo for QAbstractButton |

### 7.5.20.30 Class data for QFocusFrame

The virtual table for the QFocusFrame class is described by Table 7-373

**Table 7-373 Primary vtable for QFocusFrame**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QFocusFrame |
| vfunc[0]: | QFocusFrame::metaObject() const |
| vfunc[1]: | QFocusFrame::qt_metacast(char const*) |
| vfunc[2]: | QFocusFrame::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QFocusFrame::~QFocusFrame() |
| vfunc[4]: | QFocusFrame::~QFocusFrame() |
| vfunc[5]: | QFocusFrame::event(QEvent*) |
| vfunc[6]: | QFocusFrame::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QWidget::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |

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| | |
|---|---|
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QFocusFrame::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |

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| | |
|---|---|
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |

**Table 7-374 Secondary vtable for QFocusFrame**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QFocusFrame |
| vfunc[0]: | non-virtual thunk to QFocusFrame::~QFocusFrame() |
| vfunc[1]: | non-virtual thunk to QFocusFrame::~QFocusFrame() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QFocusFrame class is described by Table 7-375

**Table 7-375 typeinfo for QFocusFrame**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QFocusFrame |
| basetype: | typeinfo for QWidget |

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### 7.5.20.31 Class data for QToolBox

The virtual table for the QToolBox class is described by Table 7-376

**Table 7-376 Primary vtable for QToolBox**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QToolBox |
| vfunc[0]: | QToolBox::metaObject() const |
| vfunc[1]: | QToolBox::qt_metacast(char const*) |
| vfunc[2]: | QToolBox::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QToolBox::~QToolBox() |
| vfunc[4]: | QToolBox::~QToolBox() |
| vfunc[5]: | QToolBox::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QFrame::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |


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| | |
|---|---|
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent *) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent *) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QFrame::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent* ) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent* ) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent *) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QToolBox::showEvent(QShowEvent* ) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QToolBox::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |

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| | |
|---|---|
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QToolBox::itemInserted(int) |
| vfunc[55]: | QToolBox::itemRemoved(int) |

**Table 7-377 Secondary vtable for QToolBox**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QToolBox |
| vfunc[0]: | non-virtual thunk to QToolBox::~QToolBox() |
| vfunc[1]: | non-virtual thunk to QToolBox::~QToolBox() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QToolBox class is described by Table 7-378

**Table 7-378 typeinfo for QToolBox**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QToolBox |
| basetype: | typeinfo for QFrame |

### 7.5.20.32 Class data for QDial

The virtual table for the QDial class is described by Table 7-379

**Table 7-379 Primary vtable for QDial**

| | |
|---|---|
| Base Offset | 0 |


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| | |
|---|---|
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QDial |
| vfunc[0]: | QDial::metaObject() const |
| vfunc[1]: | QDial::qt_metacast(char const*) |
| vfunc[2]: | QDial::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QDial::~QDial() |
| vfunc[4]: | QDial::~QDial() |
| vfunc[5]: | QDial::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QAbstractSlider::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QDial::sizeHint() const |
| vfunc[15]: | QDial::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QDial::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QDial::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QDial::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QAbstractSlider::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QAbstractSlider::keyPressEvent(QKeyEvent*) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |

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| | |
|---|---|
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QDial::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QDial::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QAbstractSlider::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |

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| | |
|---|---|
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QDial::sliderChange(QAbstractSlider::SliderChange) |

**Table 7-380 Secondary vtable for QDial**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QDial |
| vfunc[0]: | non-virtual thunk to QDial::~QDial() |
| vfunc[1]: | non-virtual thunk to QDial::~QDial() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QDial class is described by Table 7-381

**Table 7-381 typeinfo for QDial**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QDial |
| basetype: | typeinfo for QAbstractSlider |

### 7.5.20.33 Class data for QSystemTrayIcon

The virtual table for the QSystemTrayIcon class is described in the generic part of this specification.

### 7.5.20.34 Interfaces for Qt4 Widgets

An LSB conforming implementation shall provide the architecture specific functions for Qt4 Widgets specified in Table 7-382, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-382 libQtGui - Qt4 Widgets Function Interfaces**

| | |
|---|---|
| _ZThn8_N10QLCDNumberD0Ev [CXXABI-1.86] | _ZThn8_N10QLCDNumberD1Ev [CXXABI-1.86] |
| _ZThn8_N10QScrollBarD0Ev [CXXABI-1.86] | _ZThn8_N10QScrollBarD1Ev [CXXABI-1.86] |

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| | |
|---|---|
| _ZThn8_N10QTabWidgetD0Ev [CXXABI-1.86] | _ZThn8_N10QTabWidgetD1Ev [CXXABI-1.86] |
| _ZThn8_N11QDockWidgetD0Ev [CXXABI-1.86] | _ZThn8_N11QDockWidgetD1Ev [CXXABI-1.86] |
| _ZThn8_N11QFocusFrameD0Ev [CXXABI-1.86] | _ZThn8_N11QFocusFrameD1Ev [CXXABI-1.86] |
| _ZThn8_N11QListWidgetD0Ev [CXXABI-1.86] | _ZThn8_N11QListWidgetD1Ev [CXXABI-1.86] |
| _ZThn8_N11QMainWindowD0Ev [CXXABI-1.86] | _ZThn8_N11QMainWindowD1Ev [CXXABI-1.86] |
| _ZThn8_N11QPushButtonD0Ev [CXXABI-1.86] | _ZThn8_N11QPushButtonD1Ev [CXXABI-1.86] |
| _ZThn8_N11QScrollAreaD0Ev [CXXABI-1.86] | _ZThn8_N11QScrollAreaD1Ev [CXXABI-1.86] |
| _ZThn8_N11QToolButtonD0Ev [CXXABI-1.86] | _ZThn8_N11QToolButtonD1Ev [CXXABI-1.86] |
| _ZThn8_N12QTextBrowserD0Ev [CXXABI-1.86] | _ZThn8_N12QTextBrowserD1Ev [CXXABI-1.86] |
| _ZThn8_N14QDesktopWidgetD0Ev [CXXABI-1.86] | _ZThn8_N14QDesktopWidgetD1Ev [CXXABI-1.86] |
| _ZThn8_N14QStackedWidgetD0Ev [CXXABI-1.86] | _ZThn8_N14QStackedWidgetD1Ev [CXXABI-1.86] |
| _ZThn8_N15QX11EmbedWidgetD0Ev [CXXABI-1.86] | _ZThn8_N15QX11EmbedWidgetD1Ev [CXXABI-1.86] |
| _ZThn8_N18QX11EmbedContainerD0Ev [CXXABI-1.86] | _ZThn8_N18QX11EmbedContainerD1Ev [CXXABI-1.86] |
| _ZThn8_N5QDialD0Ev [CXXABI-1.86] | _ZThn8_N5QDialD1Ev [CXXABI-1.86] |
| _ZThn8_N6QFrameD0Ev [CXXABI-1.86] | _ZThn8_N6QFrameD1Ev [CXXABI-1.86] |
| _ZThn8_N6QLabelD0Ev [CXXABI-1.86] | _ZThn8_N6QLabelD1Ev [CXXABI-1.86] |
| _ZThn8_N7QSliderD0Ev [CXXABI-1.86] | _ZThn8_N7QSliderD1Ev [CXXABI-1.86] |
| _ZThn8_N7QTabBarD0Ev [CXXABI-1.86] | _ZThn8_N7QTabBarD1Ev [CXXABI-1.86] |
| _ZThn8_N7QWidgetD0Ev [CXXABI-1.86] | _ZThn8_N7QWidgetD1Ev [CXXABI-1.86] |
| _ZThn8_N8QToolBoxD0Ev [CXXABI-1.86] | _ZThn8_N8QToolBoxD1Ev [CXXABI-1.86] |
| _ZThn8_N9QComboBoxD0Ev [CXXABI-1.86] | _ZThn8_N9QComboBoxD1Ev [CXXABI-1.86] |

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| | |
|---|---|
| _ZThn8_N9QLineEditD0Ev [CXXABI-1.86] | _ZThn8_N9QLineEditD1Ev [CXXABI-1.86] |
| _ZThn8_N9QListViewD0Ev [CXXABI-1.86] | _ZThn8_N9QListViewD1Ev [CXXABI-1.86] |
| _ZThn8_N9QTextEditD0Ev [CXXABI-1.86] | _ZThn8_N9QTextEditD1Ev [CXXABI-1.86] |

## 7.5.21 Qt4 Drag and Drop

### 7.5.21.1 Class data for QMimeSource

The virtual table for the QMimeSource class is described in the generic part of this specification.

The Run Time Type Information for the QMimeSource class is described by Table 7-383

**Table 7-383 typeinfo for QMimeSource**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QMimeSource |

### 7.5.21.2 Class data for QDrag

The virtual table for the QDrag class is described in the generic part of this specification.

The Run Time Type Information for the QDrag class is described by Table 7-384

**Table 7-384 typeinfo for QDrag**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QDrag |
| basetype: | typeinfo for QObject |

### 7.5.21.3 Class data for QDropEvent

The virtual table for the QDropEvent class is described by Table 7-385

**Table 7-385 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 |

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| | |
|---|---|
| vfunc[4]: | QDropEvent::provides(char const*) const |

**Table 7-386 Secondary vtable for QDropEvent**

| | |
|---|---|
| Base Offset | -12 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QDropEvent |
| vfunc[0]: | non-virtual thunk to QDropEvent::~QDropEvent() |
| vfunc[1]: | non-virtual thunk to QDropEvent::~QDropEvent() |
| vfunc[2]: | non-virtual thunk to QDropEvent::format(int) const |
| vfunc[3]: | non-virtual thunk to QDropEvent::provides(char const*) const |
| vfunc[4]: | non-virtual thunk to QDropEvent::encodedData(char const*) const |

The Run Time Type Information for the QDropEvent class is described by Table 7-387

**Table 7-387 typeinfo for QDropEvent**

| | | |
|---|---|---|
| Base Vtable | vtable for __cxxabiv1::__vmi_class_type_info | |
| Name | typeinfo name for QDropEvent | |
| flags: | 0 | |
| basetype: | typeinfo for QEvent | 2 |
| basetype: | typeinfo for QMimeSource | 3074 |

### 7.5.21.4 Class data for QDragMoveEvent

The virtual table for the QDragMoveEvent class is described by Table 7-388

**Table 7-388 Primary vtable for QDragMoveEvent**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QDragMoveEvent |
| vfunc[0]: | QDragMoveEvent::~QDragMoveEvent() |


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| | |
|---|---|
| vfunc[1]: | QDragMoveEvent::~QDragMoveEvent() |
| vfunc[2]: | QDropEvent::format(int) const |
| vfunc[3]: | QDropEvent::encodedData(char const*) const |
| vfunc[4]: | QDropEvent::provides(char const*) const |

**Table 7-389 Secondary vtable for QDragMoveEvent**

| | |
|---|---|
| Base Offset | -12 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QDragMoveEvent |
| vfunc[0]: | non-virtual thunk to QDragMoveEvent::~QDragMoveEvent() |
| vfunc[1]: | non-virtual thunk to QDragMoveEvent::~QDragMoveEvent() |
| vfunc[2]: | non-virtual thunk to QDropEvent::format(int) const |
| vfunc[3]: | non-virtual thunk to QDropEvent::provides(char const*) const |
| vfunc[4]: | non-virtual thunk to QDropEvent::encodedData(char const*) const |

The Run Time Type Information for the QDragMoveEvent class is described by Table 7-390

**Table 7-390 typeinfo for QDragMoveEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QDragMoveEvent |
| basetype: | typeinfo for QDropEvent |

### 7.5.21.5 Class data for QDragEnterEvent

The virtual table for the QDragEnterEvent class is described by Table 7-391

**Table 7-391 Primary vtable for QDragEnterEvent**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QDragEnterEvent |

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| | |
|---|---|
| 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 |

**Table 7-392 Secondary vtable for QDragEnterEvent**

| | |
|---|---|
| Base Offset | -12 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QDragEnterEvent |
| vfunc[0]: | non-virtual thunk to QDragEnterEvent::~QDragEnterEvent() |
| vfunc[1]: | non-virtual thunk to QDragEnterEvent::~QDragEnterEvent() |
| vfunc[2]: | non-virtual thunk to QDropEvent::format(int) const |
| vfunc[3]: | non-virtual thunk to QDropEvent::provides(char const*) const |
| vfunc[4]: | non-virtual thunk to QDropEvent::encodedData(char const*) const |

The Run Time Type Information for the QDragEnterEvent class is described by Table 7-393

**Table 7-393 typeinfo for QDragEnterEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QDragEnterEvent |
| basetype: | typeinfo for QDragMoveEvent |

### 7.5.21.6 Class data for QDragResponseEvent

The virtual table for the QDragResponseEvent class is described in the generic part of this specification.

The Run Time Type Information for the QDragResponseEvent class is described by Table 7-394

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**Table 7-394 typeinfo for QDragResponseEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QDragResponseEvent |
| basetype: | typeinfo for QEvent |

### 7.5.21.7 Class data for QDragLeaveEvent

The virtual table for the QDragLeaveEvent class is described in the generic part of this specification.

The Run Time Type Information for the QDragLeaveEvent class is described by Table 7-395

**Table 7-395 typeinfo for QDragLeaveEvent**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QDragLeaveEvent |
| basetype: | typeinfo for QEvent |

### 7.5.21.8 Interfaces for Qt4 Drag and Drop

An LSB conforming implementation shall provide the architecture specific functions for Qt4 Drag and Drop specified in Table 7-396, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-396 libQtGui - Qt4 Drag and Drop Function Interfaces**

| | |
|---|---|
| _ZThn12_N10QDropEventD0Ev [CXXABI-1.86] | _ZThn12_N10QDropEventD1Ev [CXXABI-1.86] |
| _ZThn12_N14QDragMoveEventD0Ev [CXXABI-1.86] | _ZThn12_N14QDragMoveEventD1Ev [CXXABI-1.86] |
| _ZThn12_N15QDragEnterEventD0Ev [CXXABI-1.86] | _ZThn12_N15QDragEnterEventD1Ev [CXXABI-1.86] |

## 7.5.22 Qt4 2D Graphics

### 7.5.22.1 Class data for QIconEngineFactoryInterface

The virtual table for the QIconEngineFactoryInterface class is described in the generic part of this specification.

The Run Time Type Information for the QIconEngineFactoryInterface class is described by Table 7-397

**Table 7-397 typeinfo for QIconEngineFactoryInterface**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QIconEngineFactoryInterface |

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| | |
|---|---|
| basetype: | typeinfo for QFactoryInterface |

### 7.5.22.2 Class data for QIconEngine

The virtual table for the QIconEngine class is described in the generic part of this specification.

The Run Time Type Information for the QIconEngine class is described by Table 7-398

**Table 7-398 typeinfo for QIconEngine**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QIconEngine |

### 7.5.22.3 Class data for QPaintEngine

The virtual table for the QPaintEngine class is described in the generic part of this specification.

The Run Time Type Information for the QPaintEngine class is described by Table 7-399

**Table 7-399 typeinfo for QPaintEngine**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QPaintEngine |

### 7.5.22.4 Class data for QGraphicsEllipseItem

The virtual table for the QGraphicsEllipseItem class is described in the generic part of this specification.

### 7.5.22.5 Class data for QGraphicsItem

The virtual table for the QGraphicsItem class is described in the generic part of this specification.

### 7.5.22.6 Class data for QGraphicsItemAnimation

The virtual table for the QGraphicsItemAnimation class is described in the generic part of this specification.

### 7.5.22.7 Class data for QGraphicsItemGroup

The virtual table for the QGraphicsItemGroup class is described in the generic part of this specification.

### 7.5.22.8 Class data for QGraphicsLineItem

The virtual table for the QGraphicsLineItem class is described in the generic part of this specification.

### 7.5.22.9 Class data for QGraphicsPathItem

The virtual table for the QGraphicsPathItem class is described in the generic part of this specification.

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### 7.5.22.10 Class data for QGraphicsPixmapItem

The virtual table for the QGraphicsPixmapItem class is described in the generic part of this specification.

### 7.5.22.11 Class data for QGraphicsPolygonItem

The virtual table for the QGraphicsPolygonItem class is described in the generic part of this specification.

### 7.5.22.12 Class data for QGraphicsRectItem

The virtual table for the QGraphicsRectItem class is described in the generic part of this specification.

### 7.5.22.13 Class data for QGraphicsScene

The virtual table for the QGraphicsScene class is described in the generic part of this specification.

The Run Time Type Information for the QGraphicsScene class is described by Table 7-400

**Table 7-400 typeinfo for QGraphicsScene**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QGraphicsScene |
| basetype: | typeinfo for QObject |

### 7.5.22.14 Class data for QGraphicsSceneContextMenuEvent

The virtual table for the QGraphicsSceneContextMenuEvent class is described in the generic part of this specification.

### 7.5.22.15 Class data for QGraphicsSceneDragDropEvent

The virtual table for the QGraphicsSceneDragDropEvent class is described in the generic part of this specification.

### 7.5.22.16 Class data for QGraphicsSceneEvent

The virtual table for the QGraphicsSceneEvent class is described in the generic part of this specification.

### 7.5.22.17 Class data for QGraphicsSceneHelpEvent

The virtual table for the QGraphicsSceneHelpEvent class is described in the generic part of this specification.

### 7.5.22.18 Class data for QGraphicsSceneHoverEvent

The virtual table for the QGraphicsSceneHoverEvent class is described in the generic part of this specification.

### 7.5.22.19 Class data for QGraphicsSceneMouseEvent

The virtual table for the QGraphicsSceneMouseEvent class is described in the generic part of this specification.

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### 7.5.22.20 Class data for QGraphicsSceneWheelEvent

The virtual table for the QGraphicsSceneWheelEvent class is described in the generic part of this specification.

### 7.5.22.21 Class data for QGraphicsSimpleTextItem

The virtual table for the QGraphicsSimpleTextItem class is described in the generic part of this specification.

### 7.5.22.22 Interfaces for Qt4 2D Graphics

An LSB conforming implementation shall provide the architecture specific functions for Qt4 2D Graphics specified in Table 7-401, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-401 libQtGui - Qt4 2D Graphics Function Interfaces**

| | |
|---|---|
| _ZThn8_N17QGraphicsTextItem10sceneEventEP6QEvent [CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem12focusInEventEP11QFocusEvent [CXXABI-1.86] |
| _ZThn8_N17QGraphicsTextItem12setExtensionEN13QGraphicsItem9ExtensionERK8QVariant [CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem13dragMoveEventEP27QGraphicsSceneDragDropEvent [CXXABI-1.86] |
| _ZThn8_N17QGraphicsTextItem13focusOutEventEP11QFocusEvent [CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem13keyPressEventEP9QKeyEvent [CXXABI-1.86] |
| _ZThn8_N17QGraphicsTextItem14dragEnterEventEP27QGraphicsSceneDragDropEvent [CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem14dragLeaveEventEP27QGraphicsSceneDragDropEvent [CXXABI-1.86] |
| _ZThn8_N17QGraphicsTextItem14hoverMoveEventEP24QGraphicsSceneHoverEvent [CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem14mouseMoveEventEP24QGraphicsSceneMouseEvent [CXXABI-1.86] |
| _ZThn8_N17QGraphicsTextItem15hoverEnterEventEP24QGraphicsSceneHoverEvent [CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem15hoverLeaveEventEP24QGraphicsSceneHoverEvent [CXXABI-1.86] |
| _ZThn8_N17QGraphicsTextItem15keyReleaseEventEP9QKeyEvent [CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem15mousePressEventEP24QGraphicsSceneMouseEvent [CXXABI-1.86] |
| _ZThn8_N17QGraphicsTextItem16contextMenuEventEP30QGraphicsSceneContextMenuEvent [CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem16inputMethodEventEP17QInputMethodEvent [CXXABI-1.86] |
| _ZThn8_N17QGraphicsTextItem17mouseReleaseEventEP24QGraphicsSceneMouseEvent [CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem21mouseDoubleClickEventEP24QGraphicsSceneMouseEvent [CXXABI-1.86] |
| _ZThn8_N17QGraphicsTextItem5paintEP8QPainterPK24QStyleOptionGraphicsItemP7QWidget [CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem9dropEventEP27QGraphicsSceneDragDropEvent [CXXABI-1.86] |


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| | |
|---|---|
| _ZThn8_N17QGraphicsTextItemD0Ev [CXXABI-1.86] | _ZThn8_N17QGraphicsTextItemD1Ev [CXXABI-1.86] |
| _ZThn8_NK17QGraphicsTextItem10opaqueAreaEv [CXXABI-1.86] | _ZThn8_NK17QGraphicsTextItem12boundingRectEv [CXXABI-1.86] |
| _ZThn8_NK17QGraphicsTextItem12isObscuredByEPK13QGraphicsItem [CXXABI-1.86] | _ZThn8_NK17QGraphicsTextItem16inputMethodQueryEN2Qt16InputMethodQueryE [CXXABI-1.86] |
| _ZThn8_NK17QGraphicsTextItem17supportsExtensionEN13QGraphicsItem9ExtensionE [CXXABI-1.86] | _ZThn8_NK17QGraphicsTextItem4typeEv [CXXABI-1.86] |
| _ZThn8_NK17QGraphicsTextItem5shapeEv [CXXABI-1.86] | _ZThn8_NK17QGraphicsTextItem8containsERK7QPointF [CXXABI-1.86] |
| _ZThn8_NK17QGraphicsTextItem9extensionERK8QVariant [CXXABI-1.86] | |

## 7.6 Data Definitions for libQtGui

This section defines global identifiers and their values that are associated with interfaces contained in libQtGui. 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.

### 7.6.1 QtGui/qabstractbutton.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.2 QtGui/qabstractitemdelegate.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.3 QtGui/qabstractitemview.h

```
/*
```

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```
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.4 QtGui/qabstractpagesetupdialog.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.5 QtGui/qabstractprintdialog.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.6 QtGui/qabstractproxymodel.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.7 QtGui/qabstractscrollarea.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.8 QtGui/qabstractslider.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.9 QtGui/qabstractspinbox.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.10 QtGui/qabstracttextdocumentlayout.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.11 QtGui/qaccessible.h

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```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.12 QtGui/qaccessiblebridge.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.13 QtGui/qaccessibleobject.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.14 QtGui/qaccessibleplugin.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.15 QtGui/qaccessiblewidget.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.16 QtGui/qaction.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.17 QtGui/qactiongroup.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.18 QtGui/qapplication.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.6.19 QtGui/qbitmap.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.20 QtGui/qboxlayout.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.21 QtGui/qbrush.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.22 QtGui/qbuttongroup.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.23 QtGui/qcdestyle.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.24 QtGui/qcheckbox.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.25 QtGui/qclipboard.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.26 QtGui/qcolor.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.6.27 QtGui/qcolordialog.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.28 QtGui/qcolormap.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.29 QtGui/qcombobox.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.30 QtGui/qcommonstyle.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.31 QtGui/qcursor.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.32 QtGui/qdatetimeedit.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.33 QtGui/qdesktopwidget.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.34 QtGui/qdial.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.6.35 QtGui/qdialog.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.36 QtGui/qdirmodel.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.37 QtGui/qdockwidget.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.38 QtGui/qdrag.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.39 QtGui/qerrormessage.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.40 QtGui/qevent.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.41 QtGui/qfiledialog.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.42 QtGui/qfocusframe.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.6.43 QtGui/qfont.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.44 QtGui/qfontdatabase.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.45 QtGui/qfontdialog.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.46 QtGui/qfontinfo.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.47 QtGui/qfontmetrics.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.48 QtGui/qframe.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.49 QtGui/qgridlayout.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.50 QtGui/qgroupbox.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.6.51 QtGui/qheaderview.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.52 QtGui/qicon.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.53 QtGui/qiconengine.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.54 QtGui/qiconengineplugin.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.55 QtGui/qimage.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.56 QtGui/qimageiohandler.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.57 QtGui/qimagereader.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.58 QtGui/qimagewriter.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.6.59 QtGui/qinputcontext.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.60 QtGui/qinputcontextfactory.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.61 QtGui/qinputcontextplugin.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.62 QtGui/qinputdialog.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.63 QtGui/qitemdelegate.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.64 QtGui/qitemeditorfactory.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.65 QtGui/qitemselectionmodel.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.66 QtGui/qkeysequence.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.6.67 QtGui/qlabel.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.68 QtGui/qlayout.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.69 QtGui/qlayoutitem.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.70 QtGui/qlcdnumber.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.71 QtGui/qlineedit.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.72 QtGui/qlistview.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.73 QtGui/qlistwidget.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.74 QtGui/qmainwindow.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.6.75 QtGui/qmatrix.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.76 QtGui/qmenu.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.77 QtGui/qmenubar.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.78 QtGui/qmenudata.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.79 QtGui/qmessagebox.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.80 QtGui/qmime.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.81 QtGui/qmotifstyle.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.82 QtGui/qmovie.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.6.83 QtGui/qpagesetupdialog.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.84 QtGui/qpaintdevice.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.85 QtGui/qpaintengine.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.86 QtGui/qpainter.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.87 QtGui/qpainterpath.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.88 QtGui/qpalette.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.89 QtGui/qpen.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.90 QtGui/qpicture.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.6.91 QtGui/qpictureformatplugin.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.92 QtGui/qpixmap.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.93 QtGui/qpixmapcache.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.94 QtGui/qplastiquestyle.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.95 QtGui/qpolygon.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.96 QtGui/qprintdialog.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.97 QtGui/qprintengine.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.98 QtGui/qprinter.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.6.99 QtGui/qprogressbar.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.100 QtGui/qprogressdialog.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.101 QtGui/qproxymodel.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.102 QtGui/qpushbutton.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.103 QtGui/qradiobutton.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.104 QtGui/qregion.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.105 QtGui/qrgb.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.106 QtGui/qrubberband.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.6.107 QtGui/qscrollarea.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.108 QtGui/qscrollbar.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.109 QtGui/qsessionmanager.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.110 QtGui/qshortcut.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.111 QtGui/qsizegrip.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.112 QtGui/qsizepolicy.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.113 QtGui/qslider.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.114 QtGui/qsortfilterproxymodel.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.6.115 QtGui/qsound.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.116 QtGui/qspinbox.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.117 QtGui/qsplashscreen.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.118 QtGui/qsplitter.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.119 QtGui/qstackedlayout.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.120 QtGui/qstackedwidget.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.121 QtGui/qstandarditemmodel.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.122 QtGui/qstatusbar.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.6.123 QtGui/qstringlistmodel.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.124 QtGui/qstyle.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.125 QtGui/qstylefactory.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.126 QtGui/qstyleoption.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.127 QtGui/qstylepainter.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.128 QtGui/qstyleplugin.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.129 QtGui/qsyntaxhighlighter.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.130 QtGui/qtabbar.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.6.131 QtGui/qtableview.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.132 QtGui/qtablewidget.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.133 QtGui/qtabwidget.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.134 QtGui/qtextbrowser.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.135 QtGui/qtextcursor.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.136 QtGui/qtextdocument.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.137 QtGui/qtextdocumentfragment.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.138 QtGui/qtextedit.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.6.139 QtGui/qtextformat.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.140 QtGui/qtextlayout.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.141 QtGui/qtextlist.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.142 QtGui/qtextobject.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.143 QtGui/qtextoption.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.144 QtGui/qtexttable.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.145 QtGui/qtoolbar.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.146 QtGui/qtoolbox.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.6.147 QtGui/qtoolbutton.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.148 QtGui/qtooltip.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.149 QtGui/qtreeview.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.150 QtGui/qtreewidget.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.151 QtGui/qtreewidgetitemiterator.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.152 QtGui/qvalidator.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.153 QtGui/qvfbhdr.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.154 QtGui/qwhatsthis.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.6.155 QtGui/qwidget.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.156 QtGui/qwindowdefs.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.157 QtGui/qwindowsstyle.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.158 QtGui/qwmatrix.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.6.159 QtGui/qworkspace.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 7.7 Interfaces for libQtXml

Table 7-402 defines the library name and shared object name for the libQtXml library

**Table 7-402 libQtXml Definition**

| | |
|---|---|
| Library: | libQtXml |
| SONAME: | libQtXml.so.4 |

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

[CXXABI-1.86] Itanium™ C++ ABI

### 7.7.1 Qt4 XML

#### 7.7.1.1 Class data for QXmlAttributes

The virtual table for the QXmlAttributes class is described in the generic part of this specification.

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The Run Time Type Information for the QXmlAttributes class is described by Table 7-403

**Table 7-403 typeinfo for QXmlAttributes**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QXmlAttributes |

### 7.7.1.2 Class data for QXmlInputSource

The virtual table for the QXmlInputSource class is described in the generic part of this specification.

The Run Time Type Information for the QXmlInputSource class is described by Table 7-404

**Table 7-404 typeinfo for QXmlInputSource**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QXmlInputSource |

### 7.7.1.3 Class data for QXmlReader

The virtual table for the QXmlReader class is described in the generic part of this specification.

The Run Time Type Information for the QXmlReader class is described by Table 7-405

**Table 7-405 typeinfo for QXmlReader**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QXmlReader |

### 7.7.1.4 Class data for QXmlSimpleReader

The virtual table for the QXmlSimpleReader class is described in the generic part of this specification.

The Run Time Type Information for the QXmlSimpleReader class is described by Table 7-406

**Table 7-406 typeinfo for QXmlSimpleReader**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QXmlSimpleReader |
| basetype: | typeinfo for QXmlReader |


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#### 7.7.1.5 Class data for QXmlLocator

The virtual table for the QXmlLocator class is described in the generic part of this specification.

The Run Time Type Information for the QXmlLocator class is described by Table 7-407

**Table 7-407 typeinfo for QXmlLocator**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QXmlLocator |

#### 7.7.1.6 Class data for QXmlContentHandler

The virtual table for the QXmlContentHandler class is described in the generic part of this specification.

The Run Time Type Information for the QXmlContentHandler class is described by Table 7-408

**Table 7-408 typeinfo for QXmlContentHandler**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QXmlContentHandler |

#### 7.7.1.7 Class data for QXmlErrorHandler

The virtual table for the QXmlErrorHandler class is described in the generic part of this specification.

The Run Time Type Information for the QXmlErrorHandler class is described by Table 7-409

**Table 7-409 typeinfo for QXmlErrorHandler**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QXmlErrorHandler |

#### 7.7.1.8 Class data for QXmlDTDHandler

The virtual table for the QXmlDTDHandler class is described in the generic part of this specification.

The Run Time Type Information for the QXmlDTDHandler class is described by Table 7-410

**Table 7-410 typeinfo for QXmlDTDHandler**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QXmlDTDHandler |

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### 7.7.1.9 Class data for QXmlEntityResolver

The virtual table for the QXmlEntityResolver class is described in the generic part of this specification.

The Run Time Type Information for the QXmlEntityResolver class is described by Table 7-411

**Table 7-411 typeinfo for QXmlEntityResolver**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QXmlEntityResolver |

### 7.7.1.10 Class data for QXmlLexicalHandler

The virtual table for the QXmlLexicalHandler class is described in the generic part of this specification.

The Run Time Type Information for the QXmlLexicalHandler class is described by Table 7-412

**Table 7-412 typeinfo for QXmlLexicalHandler**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QXmlLexicalHandler |

### 7.7.1.11 Class data for QXmlDeclHandler

The virtual table for the QXmlDeclHandler class is described in the generic part of this specification.

The Run Time Type Information for the QXmlDeclHandler class is described by Table 7-413

**Table 7-413 typeinfo for QXmlDeclHandler**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QXmlDeclHandler |

### 7.7.1.12 Class data for QXmlDefaultHandler

The virtual table for the QXmlDefaultHandler class is described by Table 7-414

**Table 7-414 Primary vtable for QXmlDefaultHandler**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QXmlDefaultHandler |

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| | |
|---|---|
| vfunc[0]: | NULL or QXmlDefaultHandler::~QXmlDefaultHandler() |
| vfunc[1]: | NULL or QXmlDefaultHandler::~QXmlDefaultHandler() |
| vfunc[2]: | QXmlDefaultHandler::setDocumentLocator(QXmlLocator*) |
| vfunc[3]: | QXmlDefaultHandler::startDocument() |
| vfunc[4]: | QXmlDefaultHandler::endDocument() |
| vfunc[5]: | QXmlDefaultHandler::startPrefixMapping(QString const&, QString const&) |
| vfunc[6]: | QXmlDefaultHandler::endPrefixMapping(QString const&) |
| vfunc[7]: | QXmlDefaultHandler::startElement(QString const&, QString const&, QString const&, QXmlAttributes const&) |
| vfunc[8]: | QXmlDefaultHandler::endElement(QString const&, QString const&, QString const&) |
| vfunc[9]: | QXmlDefaultHandler::characters(QString const&) |
| vfunc[10]: | QXmlDefaultHandler::ignorableWhitespace(QString const&) |
| vfunc[11]: | QXmlDefaultHandler::processingInstruction(QString const&, QString const&) |
| vfunc[12]: | QXmlDefaultHandler::skippedEntity(QString const&) |
| vfunc[13]: | QXmlDefaultHandler::errorString() const |
| 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&) |

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| | |
|---|---|
| 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::internalEntityDecl(QString const&, QString const&) |
| vfunc[29]: | QXmlDefaultHandler::externalEntityDecl(QString const&, QString const&, QString const&) |

**Table 7-415 Secondary vtable for QXmlDefaultHandler**

| | |
|---|---|
| Base Offset | -4 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QXmlDefaultHandler |
| vfunc[0]: | NULL or non-virtual thunk to QXmlDefaultHandler::~QXmlDefaultHandler() |
| vfunc[1]: | NULL or non-virtual thunk to QXmlDefaultHandler::~QXmlDefaultHandler() |
| vfunc[2]: | non-virtual thunk to QXmlDefaultHandler::warning(QXmlParseException const&) |

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| | |
|---|---|
| vfunc[3]: | non-virtual thunk to QXmlDefaultHandler::error(QXmlParseException const&) |
| vfunc[4]: | non-virtual thunk to QXmlDefaultHandler::fatalError(QXmlParseException const&) |
| vfunc[5]: | non-virtual thunk to QXmlDefaultHandler::errorString() const |

**Table 7-416 Secondary vtable for QXmlDefaultHandler**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QXmlDefaultHandler |
| vfunc[0]: | NULL or non-virtual thunk to QXmlDefaultHandler::~QXmlDefaultHandler() |
| vfunc[1]: | NULL or non-virtual thunk to QXmlDefaultHandler::~QXmlDefaultHandler() |
| vfunc[2]: | non-virtual thunk to QXmlDefaultHandler::notationDecl(QString const&, QString const&, QString const&) |
| vfunc[3]: | non-virtual thunk to QXmlDefaultHandler::unparsedEntityDecl(QString const&, QString const&, QString const&, QString const&) |
| vfunc[4]: | non-virtual thunk to QXmlDefaultHandler::errorString() const |

**Table 7-417 Secondary vtable for QXmlDefaultHandler**

| | |
|---|---|
| Base Offset | -12 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QXmlDefaultHandler |
| vfunc[0]: | NULL or non-virtual thunk to QXmlDefaultHandler::~QXmlDefaultHandler() |
| vfunc[1]: | NULL or non-virtual thunk to QXmlDefaultHandler::~QXmlDefaultHandler() |

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| | |
|---|---|
| vfunc[2]: | non-virtual thunk to QXmlDefaultHandler::resolveEntity( QString const&, QString const&, QXmlInputSource*&) |
| vfunc[3]: | non-virtual thunk to QXmlDefaultHandler::errorString() const |

**Table 7-418 Secondary vtable for QXmlDefaultHandler**

| | |
|---|---|
| Base Offset | -16 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QXmlDefaultHandler |
| vfunc[0]: | NULL or non-virtual thunk to QXmlDefaultHandler::~QXmlDefaultHandler() |
| vfunc[1]: | NULL or non-virtual thunk to QXmlDefaultHandler::~QXmlDefaultHandler() |
| vfunc[2]: | non-virtual thunk to QXmlDefaultHandler::startDTD(QString const&, QString const&, QString const&) |
| vfunc[3]: | non-virtual thunk to QXmlDefaultHandler::endDTD() |
| vfunc[4]: | non-virtual thunk to QXmlDefaultHandler::startEntity(QString const&) |
| vfunc[5]: | non-virtual thunk to QXmlDefaultHandler::endEntity(QString const&) |
| vfunc[6]: | non-virtual thunk to QXmlDefaultHandler::startCDATA() |
| vfunc[7]: | non-virtual thunk to QXmlDefaultHandler::endCDATA() |
| vfunc[8]: | non-virtual thunk to QXmlDefaultHandler::comment(QString const&) |
| vfunc[9]: | non-virtual thunk to QXmlDefaultHandler::errorString() const |

**Table 7-419 Secondary vtable for QXmlDefaultHandler**

| | |
|---|---|
| Base Offset | -20 |
| Virtual Base Offset | 0 |

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| | |
|---|---|
| RTTI | typeinfo for QXmlDefaultHandler |
| vfunc[0]: | NULL or non-virtual thunk to QXmlDefaultHandler::~QXmlDefaultHandler() |
| vfunc[1]: | NULL or non-virtual thunk to QXmlDefaultHandler::~QXmlDefaultHandler() |
| vfunc[2]: | non-virtual thunk to QXmlDefaultHandler::attributeDecl(QString const&, QString const&, QString const&, QString const&, QString const&) |
| vfunc[3]: | non-virtual thunk to QXmlDefaultHandler::internalEntityDecl(QString const&, QString const&) |
| vfunc[4]: | non-virtual thunk to QXmlDefaultHandler::externalEntityDecl(QString const&, QString const&, QString const&) |
| vfunc[5]: | non-virtual thunk to QXmlDefaultHandler::errorString() const |

The Run Time Type Information for the QXmlDefaultHandler class is described by Table 7-420

**Table 7-420 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 |

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| | | |
|---|---|---|
| basetype: | typeinfo for QXmlErrorHandler | 1026 |

### 7.7.1.13 Interfaces for Qt4 XML

An LSB conforming implementation shall provide the architecture specific functions for Qt4 XML specified in Table 7-421, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-421 libQtXml - Qt4 XML Function Interfaces**

| | |
|---|---|
| _ZThn12_N18QXmlDefaultHandler13resolveEntityERK7QStringS2_RP15QXmlInputSource [CXXABI-1.86] | _ZThn12_NK18QXmlDefaultHandler11errorStringEv [CXXABI-1.86] |
| _ZThn16_N18QXmlDefaultHandler10startCDATAEv [CXXABI-1.86] | _ZThn16_N18QXmlDefaultHandler11startEntityERK7QString [CXXABI-1.86] |
| _ZThn16_N18QXmlDefaultHandler6endDTDEv [CXXABI-1.86] | _ZThn16_N18QXmlDefaultHandler7commentERK7QString [CXXABI-1.86] |
| _ZThn16_N18QXmlDefaultHandler8endCDATAEv [CXXABI-1.86] | _ZThn16_N18QXmlDefaultHandler8startDTDERK7QStringS2_S2_ [CXXABI-1.86] |
| _ZThn16_N18QXmlDefaultHandler9endEntityERK7QString [CXXABI-1.86] | _ZThn16_NK18QXmlDefaultHandler11errorStringEv [CXXABI-1.86] |
| _ZThn20_N18QXmlDefaultHandler13attributeDeclERK7QStringS2_S2_S2_S2_ [CXXABI-1.86] | _ZThn20_N18QXmlDefaultHandler18externalEntityDeclERK7QStringS2_S2_ [CXXABI-1.86] |
| _ZThn20_N18QXmlDefaultHandler18internalEntityDeclERK7QStringS2_ [CXXABI-1.86] | _ZThn20_NK18QXmlDefaultHandler11errorStringEv [CXXABI-1.86] |
| _ZThn4_N18QXmlDefaultHandler10fatalErrorERK18QXmlParseException [CXXABI-1.86] | _ZThn4_N18QXmlDefaultHandler5errorERK18QXmlParseException [CXXABI-1.86] |
| _ZThn4_N18QXmlDefaultHandler7warningERK18QXmlParseException [CXXABI-1.86] | _ZThn4_NK18QXmlDefaultHandler11errorStringEv [CXXABI-1.86] |
| _ZThn8_N18QXmlDefaultHandler12notationDeclERK7QStringS2_S2_ [CXXABI-1.86] | _ZThn8_N18QXmlDefaultHandler18unparsedEntityDeclERK7QStringS2_S2_S2_ [CXXABI-1.86] |
| _ZThn8_NK18QXmlDefaultHandler11errorStringEv [CXXABI-1.86] | |

## 7.8 Data Definitions for libQtXml

This section defines global identifiers and their values that are associated with interfaces contained in libQtXml. These definitions are organized into groups that correspond to system headers. This convention is used as a convenience for the

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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.

### 7.8.1 QtXml/qdom.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.8.2 QtXml/qxml.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 7.9 Interfaces for libQtOpenGL

Table 7-422 defines the library name and shared object name for the libQtOpenGL library

**Table 7-422 libQtOpenGL Definition**

| | |
|---|---|
| Library: | libQtOpenGL |
| SONAME: | libQtOpenGL.so.4 |

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

[CXXABI-1.86] Itanium™ C++ ABI

### 7.9.1 Qt4 OpenGL

#### 7.9.1.1 Class data for QGLContext

The virtual table for the QGLContext class is described in the generic part of this specification.

The Run Time Type Information for the QGLContext class is described by Table 7-423

**Table 7-423 typeinfo for QGLContext**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |

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| | |
|---|---|
| Name | typeinfo name for QGLContext |

### 7.9.1.2 Class data for QGLWidget

The virtual table for the QGLWidget class is described by Table 7-424

**Table 7-424 Primary vtable for QGLWidget**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QGLWidget |
| vfunc[0]: | QGLWidget::metaObject() const |
| vfunc[1]: | QGLWidget::qt_metacast(char const*) |
| vfunc[2]: | QGLWidget::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QGLWidget::~QGLWidget() |
| vfunc[4]: | QGLWidget::~QGLWidget() |
| vfunc[5]: | QGLWidget::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QWidget::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QGLWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |


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| | |
|---|---|
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent *) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent *) |
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent *) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QGLWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QGLWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent* ) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent *) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |

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| | |
|---|---|
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |
| vfunc[54]: | QGLWidget::updateGL() |
| vfunc[55]: | QGLWidget::updateOverlayGL() |
| vfunc[56]: | QGLWidget::initializeGL() |
| vfunc[57]: | QGLWidget::resizeGL(int, int) |
| vfunc[58]: | QGLWidget::paintGL() |
| vfunc[59]: | QGLWidget::initializeOverlayGL() |
| vfunc[60]: | QGLWidget::resizeOverlayGL(int, int) |
| vfunc[61]: | QGLWidget::paintOverlayGL() |
| vfunc[62]: | QGLWidget::glInit() |
| vfunc[63]: | QGLWidget::glDraw() |

**Table 7-425 Secondary vtable for QGLWidget**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QGLWidget |
| vfunc[0]: | non-virtual thunk to QGLWidget::~QGLWidget() |
| vfunc[1]: | non-virtual thunk to QGLWidget::~QGLWidget() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QGLWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

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The Run Time Type Information for the QGLWidget class is described by Table 7-426

**Table 7-426 typeinfo for QGLWidget**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QGLWidget |
| basetype: | typeinfo for QWidget |

### 7.9.1.3 Class data for QGLPixelBuffer

The virtual table for the QGLPixelBuffer class is described in the generic part of this specification.

The Run Time Type Information for the QGLPixelBuffer class is described by Table 7-427

**Table 7-427 typeinfo for QGLPixelBuffer**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QGLPixelBuffer |
| basetype: | typeinfo for QPaintDevice |

### 7.9.1.4 Class data for QGLFramebufferObject

The virtual table for the QGLFramebufferObject class is described in the generic part of this specification.

The Run Time Type Information for the QGLFramebufferObject class is described by Table 7-428

**Table 7-428 typeinfo for QGLFramebufferObject**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QGLFramebufferObject |
| basetype: | typeinfo for QPaintDevice |

### 7.9.1.5 Interfaces for Qt4 OpenGL

An LSB conforming implementation shall provide the architecture specific functions for Qt4 OpenGL specified in Table 7-429, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-429 libQtOpenGL - Qt4 OpenGL Function Interfaces**

| | |
|---|---|
| _ZThn8_N9QGLWidgetD0Ev [CXXABI-1.86] | _ZThn8_N9QGLWidgetD1Ev [CXXABI-1.86] |
| _ZThn8_NK9QGLWidget11paintEngineEv [CXXABI-1.86] | |

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## 7.10 Data Definitions for libQtOpenGL

This section defines global identifiers and their values that are associated with interfaces contained in libQtOpenGL. 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.

### 7.10.1 QtOpenGL/qgl.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.10.2 QtOpenGL/qglcolormap.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.10.3 QtOpenGL/qglpixelbuffer.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 7.11 Interfaces for libQtSql

Table 7-430 defines the library name and shared object name for the libQtSql library

**Table 7-430 libQtSql Definition**

| | |
|---|---|
| Library: | libQtSql |
| SONAME: | libQtSql.so.4 |

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

[CXXABI-1.86] Itanium™ C++ ABI

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## 7.11.1 Qt4 SQL

### 7.11.1.1 Class data for QSqlResult

The virtual table for the QSqlResult class is described in the generic part of this specification.

The Run Time Type Information for the QSqlResult class is described by Table 7-431

**Table 7-431 typeinfo for QSqlResult**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QSqlResult |

### 7.11.1.2 Class data for QSqlDriverFactoryInterface

The virtual table for the QSqlDriverFactoryInterface class is described in the generic part of this specification.

The Run Time Type Information for the QSqlDriverFactoryInterface class is described by Table 7-432

**Table 7-432 typeinfo for QSqlDriverFactoryInterface**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSqlDriverFactoryInterface |
| basetype: | typeinfo for QFactoryInterface |

### 7.11.1.3 Class data for QSqlDriverPlugin

The virtual table for the QSqlDriverPlugin class is described by Table 7-433

**Table 7-433 Primary vtable for QSqlDriverPlugin**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QSqlDriverPlugin |
| vfunc[0]: | QSqlDriverPlugin::metaObject() const |
| vfunc[1]: | QSqlDriverPlugin::qt_metacast(char const*) |
| vfunc[2]: | QSqlDriverPlugin::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QSqlDriverPlugin::~QSqlDriverPlugin() |
| vfunc[4]: | QSqlDriverPlugin::~QSqlDriverPlugin() |

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| | |
|---|---|
| vfunc[5]: | QObject::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | __cxa_pure_virtual |
| vfunc[13]: | __cxa_pure_virtual |

**Table 7-434 Secondary vtable for QSqlDriverPlugin**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QSqlDriverPlugin |
| vfunc[0]: | non-virtual thunk to QSqlDriverPlugin::~QSqlDriverPlugin() |
| vfunc[1]: | non-virtual thunk to QSqlDriverPlugin::~QSqlDriverPlugin() |
| vfunc[2]: | __cxa_pure_virtual |
| vfunc[3]: | __cxa_pure_virtual |

The Run Time Type Information for the QSqlDriverPlugin class is described by Table 7-435

**Table 7-435 typeinfo for QSqlDriverPlugin**

| | | |
|---|---|---|
| Base Vtable | vtable for __cxxabiv1::__vmi_class_type_info | |
| Name | typeinfo name for QSqlDriverPlugin | |
| flags: | 0 | |
| basetype: | typeinfo for QObject | 2 |
| basetype: | typeinfo for QSqlDriverFactoryInterface | 2050 |

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#### 7.11.1.4 Class data for QSqlDriver

The virtual table for the QSqlDriver class is described in the generic part of this specification.

The Run Time Type Information for the QSqlDriver class is described by Table 7-436

**Table 7-436 typeinfo for QSqlDriver**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSqlDriver |
| basetype: | typeinfo for QObject |

#### 7.11.1.5 Class data for QSqlQueryModel

The virtual table for the QSqlQueryModel class is described in the generic part of this specification.

The Run Time Type Information for the QSqlQueryModel class is described by Table 7-437

**Table 7-437 typeinfo for QSqlQueryModel**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSqlQueryModel |
| basetype: | typeinfo for QAbstractTableModel |

#### 7.11.1.6 Class data for QSqlTableModel

The virtual table for the QSqlTableModel class is described in the generic part of this specification.

The Run Time Type Information for the QSqlTableModel class is described by Table 7-438

**Table 7-438 typeinfo for QSqlTableModel**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSqlTableModel |
| basetype: | typeinfo for QSqlQueryModel |

#### 7.11.1.7 Class data for QSqlRelationalTableModel

The virtual table for the QSqlRelationalTableModel class is described in the generic part of this specification.

The Run Time Type Information for the QSqlRelationalTableModel class is described by Table 7-439

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**Table 7-439 typeinfo for QSqlRelationalTableModel**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSqlRelationalTableModel |
| basetype: | typeinfo for QSqlTableModel |

#### 7.11.1.8 Interfaces for Qt4 SQL

An LSB conforming implementation shall provide the architecture specific functions for Qt4 SQL specified in Table 7-440, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-440 libQtSql - Qt4 SQL Function Interfaces**

| | |
|---|---|
| _ZThn8_N16QSqlDriverPluginD0Ev [CXXABI-1.86] | _ZThn8_N16QSqlDriverPluginD1Ev [CXXABI-1.86] |

## 7.12 Data Definitions for libQtSql

This section defines global identifiers and their values that are associated with interfaces contained in libQtSql. 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.

### 7.12.1 QtSql/qsql.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.12.2 QtSql/qsqldatabase.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.12.3 QtSql/qsqldriver.h

```
/*
```

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```
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.12.4 QtSql/qsqldriverplugin.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.12.5 QtSql/qsqlerror.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.12.6 QtSql/qsqlfield.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.12.7 QtSql/qsqlindex.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.12.8 QtSql/qsqlquery.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.12.9 QtSql/qsqlquerymodel.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.12.10 QtSql/qsqlrecord.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.12.11 QtSql/qsqlrelationaltablemodel.h

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```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.12.12 QtSql/qsqlresult.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.12.13 QtSql/qsqltablemodel.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 7.13 Interfaces for libQtSvg

Table 7-441 defines the library name and shared object name for the libQtSvg library

**Table 7-441 libQtSvg Definition**

| | |
|---|---|
| Library: | libQtSvg |
| SONAME: | libQtSvg.so.4 |

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

[CXXABI-1.86] Itanium™ C++ ABI

### 7.13.1 Qt4 Svg

#### 7.13.1.1 Class data for QSvgRenderer

The virtual table for the QSvgRenderer class is described in the generic part of this specification.

The Run Time Type Information for the QSvgRenderer class is described by Table 7-442

**Table 7-442 typeinfo for QSvgRenderer**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSvgRenderer |
| basetype: | typeinfo for QObject |

#### 7.13.1.2 Class data for QSvgWidget

The virtual table for the QSvgWidget class is described by Table 7-443

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**Table 7-443 Primary vtable for QSvgWidget**

| | |
|---|---|
| Base Offset | 0 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QSvgWidget |
| vfunc[0]: | QSvgWidget::metaObject() const |
| vfunc[1]: | QSvgWidget::qt_metacast(char const*) |
| vfunc[2]: | QSvgWidget::qt_metacall(QMetaObject::Call, int, void**) |
| vfunc[3]: | QSvgWidget::~QSvgWidget() |
| vfunc[4]: | QSvgWidget::~QSvgWidget() |
| vfunc[5]: | QWidget::event(QEvent*) |
| vfunc[6]: | QObject::eventFilter(QObject*, QEvent*) |
| vfunc[7]: | QObject::timerEvent(QTimerEvent*) |
| vfunc[8]: | QObject::childEvent(QChildEvent*) |
| vfunc[9]: | QObject::customEvent(QEvent*) |
| vfunc[10]: | QObject::connectNotify(char const*) |
| vfunc[11]: | QObject::disconnectNotify(char const*) |
| vfunc[12]: | QWidget::devType() const |
| vfunc[13]: | QWidget::setVisible(bool) |
| vfunc[14]: | QSvgWidget::sizeHint() const |
| vfunc[15]: | QWidget::minimumSizeHint() const |
| vfunc[16]: | QWidget::heightForWidth(int) const |
| vfunc[17]: | QWidget::paintEngine() const |
| vfunc[18]: | QWidget::mousePressEvent(QMouseEvent*) |
| vfunc[19]: | QWidget::mouseReleaseEvent(QMouseEvent*) |
| vfunc[20]: | QWidget::mouseDoubleClickEvent(QMouseEvent*) |
| vfunc[21]: | QWidget::mouseMoveEvent(QMouseEvent*) |
| vfunc[22]: | QWidget::wheelEvent(QWheelEvent*) |
| vfunc[23]: | QWidget::keyPressEvent(QKeyEvent*) |

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| | |
|---|---|
| vfunc[24]: | QWidget::keyReleaseEvent(QKeyEvent*) |
| vfunc[25]: | QWidget::focusInEvent(QFocusEvent*) |
| vfunc[26]: | QWidget::focusOutEvent(QFocusEvent*) |
| vfunc[27]: | QWidget::enterEvent(QEvent*) |
| vfunc[28]: | QWidget::leaveEvent(QEvent*) |
| vfunc[29]: | QSvgWidget::paintEvent(QPaintEvent*) |
| vfunc[30]: | QWidget::moveEvent(QMoveEvent*) |
| vfunc[31]: | QWidget::resizeEvent(QResizeEvent*) |
| vfunc[32]: | QWidget::closeEvent(QCloseEvent*) |
| vfunc[33]: | QWidget::contextMenuEvent(QContextMenuEvent*) |
| vfunc[34]: | QWidget::tabletEvent(QTabletEvent*) |
| vfunc[35]: | QWidget::actionEvent(QActionEvent*) |
| vfunc[36]: | QWidget::dragEnterEvent(QDragEnterEvent*) |
| vfunc[37]: | QWidget::dragMoveEvent(QDragMoveEvent*) |
| vfunc[38]: | QWidget::dragLeaveEvent(QDragLeaveEvent*) |
| vfunc[39]: | QWidget::dropEvent(QDropEvent*) |
| vfunc[40]: | QWidget::showEvent(QShowEvent*) |
| vfunc[41]: | QWidget::hideEvent(QHideEvent*) |
| vfunc[42]: | QWidget::x11Event(_XEvent*) |
| vfunc[43]: | QWidget::changeEvent(QEvent*) |
| vfunc[44]: | QWidget::metric(QPaintDevice::PaintDeviceMetric) const |
| vfunc[45]: | QWidget::inputMethodEvent(QInputMethodEvent*) |
| vfunc[46]: | QWidget::inputMethodQuery(Qt::InputMethodQuery) const |
| vfunc[47]: | QWidget::focusNextPrevChild(bool) |
| vfunc[48]: | QWidget::styleChange(QStyle&) |

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| | |
|---|---|
| vfunc[49]: | QWidget::enabledChange(bool) |
| vfunc[50]: | QWidget::paletteChange(QPalette const&) |
| vfunc[51]: | QWidget::fontChange(QFont const&) |
| vfunc[52]: | QWidget::windowActivationChange(bool) |
| vfunc[53]: | QWidget::languageChange() |

**Table 7-444 Secondary vtable for QSvgWidget**

| | |
|---|---|
| Base Offset | -8 |
| Virtual Base Offset | 0 |
| RTTI | typeinfo for QSvgWidget |
| vfunc[0]: | non-virtual thunk to QSvgWidget::~QSvgWidget() |
| vfunc[1]: | non-virtual thunk to QSvgWidget::~QSvgWidget() |
| vfunc[2]: | non-virtual thunk to QWidget::devType() const |
| vfunc[3]: | non-virtual thunk to QWidget::paintEngine() const |
| vfunc[4]: | non-virtual thunk to QWidget::metric(QPaintDevice::PaintDeviceMetric) const |

The Run Time Type Information for the QSvgWidget class is described by Table 7-445

**Table 7-445 typeinfo for QSvgWidget**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QSvgWidget |
| basetype: | typeinfo for QWidget |

### 7.13.1.3 Interfaces for Qt4 Svg

An LSB conforming implementation shall provide the architecture specific functions for Qt4 Svg specified in Table 7-446, with the full mandatory functionality as described in the referenced underlying specification.

**Table 7-446 libQtSvg - Qt4 Svg Function Interfaces**

| | |
|---|---|
| _ZThn8_N10QSvgWidgetD0Ev [CXXABI-1.86] | _ZThn8_N10QSvgWidgetD1Ev [CXXABI-1.86] |
| _ZThn8_N16QGraphicsSvgItem5paintEP8QPainterPK24QStyleOptionGr | _ZThn8_NK16QGraphicsSvgItem12boundingRectEv [CXXABI-1.86] |

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| | |
|---|---|
| aphicsItemP7QWidget [CXXABI-1.86] | |
| _ZThn8_NK16QGraphicsSvgItem4typeEv [CXXABI-1.86] | |

## 7.14 Data Definitions for libQtSvg

This section defines global identifiers and their values that are associated with interfaces contained in libQtSvg. 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.

### 7.14.1 QtSvg/qsvgrenderer.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.14.2 QtSvg/qsvgwidget.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

## 7.15 Interfaces for libQtNetwork

Table 7-447 defines the library name and shared object name for the libQtNetwork library

**Table 7-447 libQtNetwork Definition**

| | |
|---|---|
| Library: | libQtNetwork |
| SONAME: | libQtNetwork.so.4 |

### 7.15.1 Qt4 Network

#### 7.15.1.1 Class data for QHttpHeader

The virtual table for the QHttpHeader class is described in the generic part of this specification.

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The Run Time Type Information for the QHttpHeader class is described by Table 7-448

**Table 7-448 typeinfo for QHttpHeader**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QHttpHeader |

### 7.15.1.2 Class data for QHttpResponseHeader

The virtual table for the QHttpResponseHeader class is described in the generic part of this specification.

The Run Time Type Information for the QHttpResponseHeader class is described by Table 7-449

**Table 7-449 typeinfo for QHttpResponseHeader**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QHttpResponseHeader |
| basetype: | typeinfo for QHttpHeader |

### 7.15.1.3 Class data for QHttpRequestHeader

The virtual table for the QHttpRequestHeader class is described in the generic part of this specification.

The Run Time Type Information for the QHttpRequestHeader class is described by Table 7-450

**Table 7-450 typeinfo for QHttpRequestHeader**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QHttpRequestHeader |
| basetype: | typeinfo for QHttpHeader |

### 7.15.1.4 Class data for QHttp

The virtual table for the QHttp class is described in the generic part of this specification.

The Run Time Type Information for the QHttp class is described by Table 7-451

**Table 7-451 typeinfo for QHttp**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QHttp |
| basetype: | typeinfo for QObject |

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#### 7.15.1.5 Class data for QAbstractSocket

The virtual table for the QAbstractSocket class is described in the generic part of this specification.

The Run Time Type Information for the QAbstractSocket class is described by Table 7-452

**Table 7-452 typeinfo for QAbstractSocket**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QAbstractSocket |
| basetype: | typeinfo for QIODevice |

#### 7.15.1.6 Class data for QUrlInfo

The virtual table for the QUrlInfo class is described in the generic part of this specification.

The Run Time Type Information for the QUrlInfo class is described by Table 7-453

**Table 7-453 typeinfo for QUrlInfo**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__class_type_info |
| Name | typeinfo name for QUrlInfo |

#### 7.15.1.7 Class data for QFtp

The virtual table for the QFtp class is described in the generic part of this specification.

The Run Time Type Information for the QFtp class is described by Table 7-454

**Table 7-454 typeinfo for QFtp**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QFtp |
| basetype: | typeinfo for QObject |

#### 7.15.1.8 Class data for QTcpServer

The virtual table for the QTcpServer class is described in the generic part of this specification.

The Run Time Type Information for the QTcpServer class is described by Table 7-455

**Table 7-455 typeinfo for QTcpServer**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTcpServer |

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| | |
|---|---|
| basetype: | typeinfo for QObject |

### 7.15.1.9 Class data for QUdpSocket

The virtual table for the QUdpSocket class is described in the generic part of this specification.

The Run Time Type Information for the QUdpSocket class is described by Table 7-456

**Table 7-456 typeinfo for QUdpSocket**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QUdpSocket |
| basetype: | typeinfo for QAbstractSocket |

### 7.15.1.10 Class data for QTcpSocket

The virtual table for the QTcpSocket class is described in the generic part of this specification.

The Run Time Type Information for the QTcpSocket class is described by Table 7-457

**Table 7-457 typeinfo for QTcpSocket**

| | |
|---|---|
| Base Vtable | vtable for __cxxabiv1::__si_class_type_info |
| Name | typeinfo name for QTcpSocket |
| basetype: | typeinfo for QAbstractSocket |

### 7.15.1.11 Interfaces for Qt4 Network

No external functions are defined for libQtNetwork - Qt4 Network in this part of the specification. See also the generic specification.

## 7.16 Data Definitions for libQtNetwork

This section defines global identifiers and their values that are associated with interfaces contained in libQtNetwork. 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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### 7.16.1 QtNetwork/qabstractsocket.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.16.2 QtNetwork/qftp.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.16.3 QtNetwork/qhostaddress.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.16.4 QtNetwork/qhostinfo.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.16.5 QtNetwork/qhttp.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.16.6 QtNetwork/qnetworkproxy.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.16.7 QtNetwork/qtcpserver.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.16.8 QtNetwork/qtcpsocket.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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### 7.16.9 QtNetwork/qudpsocket.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

### 7.16.10 QtNetwork/qurlinfo.h

```
/*
 * This header is architecture neutral
 * Please refer to the generic specification for details
 */
```

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# IV Package Format and Installation

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# 8 Software Installation

## 8.1 Package Dependencies

The LSB runtime environment shall provide the following dependency.

lsb-desktop-ia32

This dependency is used to indicate that the application is dependent on features contained in the LSB Desktop module and contains architecture specific components dependent on this part of LSB Desktop.

This dependency shall have a version of 5.0.

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# Annex A Alphabetical Listing of Interfaces by Library

## A.1 libGL

The behavior of the interfaces in this library is specified by the following Standards.

OpenGL Extensions [GLX]
OpenGL 2.1 [OGL 2.1]
OpenGL ABI [OGL ABI]

**Table A-1 libGL Function Interfaces**

| | | |
|---|---|---|
| glAccum[OGL 2.1] | glIndexMask[OGL 2.1] | glSecondaryColor3uiv[OGL 2.1] |
| glActiveTexture[OGL 2.1] | glIndexPointer[OGL 2.1] | glSecondaryColor3us[OGL 2.1] |
| glActiveTextureARB[OGL 2.1] | glIndexd[OGL 2.1] | glSecondaryColor3usv[OGL 2.1] |
| glAlphaFunc[OGL 2.1] | glIndexdv[OGL 2.1] | glSecondaryColorPointer[OGL 2.1] |
| glAreTexturesResident[OGL 2.1] | glIndexf[OGL 2.1] | glSelectBuffer[OGL 2.1] |
| glArrayElement[OGL 2.1] | glIndexfv[OGL 2.1] | glSeparableFilter2D[OGL 2.1] |
| glAttachShader[OGL 2.1] | glIndexi[OGL 2.1] | glShadeModel[OGL 2.1] |
| glBegin[OGL 2.1] | glIndexiv[OGL 2.1] | glShaderSource[OGL 2.1] |
| glBeginQuery[OGL 2.1] | glIndexs[OGL 2.1] | glStencilFunc[OGL 2.1] |
| glBindAttribLocation[OGL 2.1] | glIndexsv[OGL 2.1] | glStencilFuncSeparate[OGL 2.1] |
| glBindBuffer[OGL 2.1] | glIndexub[OGL 2.1] | glStencilMask[OGL 2.1] |
| glBindTexture[OGL 2.1] | glIndexubv[OGL 2.1] | glStencilMaskSeparate[OGL 2.1] |
| glBitmap[OGL 2.1] | glInitNames[OGL 2.1] | glStencilOp[OGL 2.1] |
| glBlendColor[OGL 2.1] | glInterleavedArrays[OGL 2.1] | glStencilOpSeparate[OGL 2.1] |
| glBlendEquation[OGL 2.1] | glIsBuffer[OGL 2.1] | glTexCoord1d[OGL 2.1] |
| glBlendEquationSeparate[OGL 2.1] | glIsEnabled[OGL 2.1] | glTexCoord1dv[OGL 2.1] |
| glBlendFunc[OGL 2.1] | glIsList[OGL 2.1] | glTexCoord1f[OGL 2.1] |
| glBlendFuncSeparate[OGL 2.1] | glIsProgram[OGL 2.1] | glTexCoord1fv[OGL 2.1] |


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| | | |
|---|---|---|
| glBufferData[OGL 2.1] | glIsQuery[OGL 2.1] | glTexCoord1i[OGL 2.1] |
| glBufferSubData[OGL 2.1] | glIsShader[OGL 2.1] | glTexCoord1iv[OGL 2.1] |
| glCallList[OGL 2.1] | glIsTexture[OGL 2.1] | glTexCoord1s[OGL 2.1] |
| glCallLists[OGL 2.1] | glLightModelf[OGL 2.1] | glTexCoord1sv[OGL 2.1] |
| glClear[OGL 2.1] | glLightModelfv[OGL 2.1] | glTexCoord2d[OGL 2.1] |
| glClearAccum[OGL 2.1] | glLightModeli[OGL 2.1] | glTexCoord2dv[OGL 2.1] |
| glClearColor[OGL 2.1] | glLightModeliv[OGL 2.1] | glTexCoord2f[OGL 2.1] |
| glClearDepth[OGL 2.1] | glLightf[OGL 2.1] | glTexCoord2fv[OGL 2.1] |
| glClearIndex[OGL 2.1] | glLightfv[OGL 2.1] | glTexCoord2i[OGL 2.1] |
| glClearStencil[OGL 2.1] | glLighti[OGL 2.1] | glTexCoord2iv[OGL 2.1] |
| glClientActiveTexture[OGL 2.1] | glLightiv[OGL 2.1] | glTexCoord2s[OGL 2.1] |
| glClientActiveTextureARB[OGL 2.1] | glLineStipple[OGL 2.1] | glTexCoord2sv[OGL 2.1] |
| glClipPlane[OGL 2.1] | glLineWidth[OGL 2.1] | glTexCoord3d[OGL 2.1] |
| glColor3b[OGL 2.1] | glLinkProgram[OGL 2.1] | glTexCoord3dv[OGL 2.1] |
| glColor3bv[OGL 2.1] | glListBase[OGL 2.1] | glTexCoord3f[OGL 2.1] |
| glColor3d[OGL 2.1] | glLoadIdentity[OGL 2.1] | glTexCoord3fv[OGL 2.1] |
| glColor3dv[OGL 2.1] | glLoadMatrixd[OGL 2.1] | glTexCoord3i[OGL 2.1] |
| glColor3f[OGL 2.1] | glLoadMatrixf[OGL 2.1] | glTexCoord3iv[OGL 2.1] |
| glColor3fv[OGL 2.1] | glLoadName[OGL 2.1] | glTexCoord3s[OGL 2.1] |
| glColor3i[OGL 2.1] | glLoadTransposeMatrixd[OGL 2.1] | glTexCoord3sv[OGL 2.1] |
| glColor3iv[OGL 2.1] | glLoadTransposeMatrixf[OGL 2.1] | glTexCoord4d[OGL 2.1] |
| glColor3s[OGL 2.1] | glLogicOp[OGL 2.1] | glTexCoord4dv[OGL 2.1] |
| glColor3sv[OGL 2.1] | glMap1d[OGL 2.1] | glTexCoord4f[OGL 2.1] |
| glColor3ub[OGL 2.1] | glMap1f[OGL 2.1] | glTexCoord4fv[OGL 2.1] |

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| | | |
|---|---|---|
| glColor3ubv[OGL 2.1] | glMap2d[OGL 2.1] | glTexCoord4i[OGL 2.1] |
| glColor3ui[OGL 2.1] | glMap2f[OGL 2.1] | glTexCoord4iv[OGL 2.1] |
| glColor3uiv[OGL 2.1] | glMapBuffer[OGL 2.1] | glTexCoord4s[OGL 2.1] |
| glColor3us[OGL 2.1] | glMapGrid1d[OGL 2.1] | glTexCoord4sv[OGL 2.1] |
| glColor3usv[OGL 2.1] | glMapGrid1f[OGL 2.1] | glTexCoordPointer[OGL 2.1] |
| glColor4b[OGL 2.1] | glMapGrid2d[OGL 2.1] | glTexEnvf[OGL 2.1] |
| glColor4bv[OGL 2.1] | glMapGrid2f[OGL 2.1] | glTexEnvfv[OGL 2.1] |
| glColor4d[OGL 2.1] | glMaterialf[OGL 2.1] | glTexEnvi[OGL 2.1] |
| glColor4dv[OGL 2.1] | glMaterialfv[OGL 2.1] | glTexEnviv[OGL 2.1] |
| glColor4f[OGL 2.1] | glMateriali[OGL 2.1] | glTexGend[OGL 2.1] |
| glColor4fv[OGL 2.1] | glMaterialiv[OGL 2.1] | glTexGendv[OGL 2.1] |
| glColor4i[OGL 2.1] | glMatrixMode[OGL 2.1] | glTexGenf[OGL 2.1] |
| glColor4iv[OGL 2.1] | glMinmax[OGL 2.1] | glTexGenfv[OGL 2.1] |
| glColor4s[OGL 2.1] | glMultMatrixd[OGL 2.1] | glTexGeni[OGL 2.1] |
| glColor4sv[OGL 2.1] | glMultMatrixf[OGL 2.1] | glTexGeniv[OGL 2.1] |
| glColor4ub[OGL 2.1] | glMultTransposeMatrixd[OGL 2.1] | glTexImage1D[OGL 2.1] |
| glColor4ubv[OGL 2.1] | glMultTransposeMatrixf[OGL 2.1] | glTexImage2D[OGL 2.1] |
| glColor4ui[OGL 2.1] | glMultiDrawArrays[OGL 2.1] | glTexImage3D[OGL 2.1] |
| glColor4uiv[OGL 2.1] | glMultiDrawElements[OGL 2.1] | glTexParameterf[OGL 2.1] |
| glColor4us[OGL 2.1] | glMultiTexCoord1d[OGL 2.1] | glTexParameterfv[OGL 2.1] |
| glColor4usv[OGL 2.1] | glMultiTexCoord1dARB[OGL 2.1] | glTexParameteri[OGL 2.1] |
| glColorMask[OGL 2.1] | glMultiTexCoord1dv[OGL 2.1] | glTexParameteriv[OGL 2.1] |
| glColorMaterial[OGL 2.1] | glMultiTexCoord1dvARB[OGL 2.1] | glTexSubImage1D[OGL 2.1] |
| glColorPointer[OGL 2.1] | glMultiTexCoord1f[OGL 2.1] | glTexSubImage2D[OGL 2.1] |
| glColorSubTable[OGL 2.1] | glMultiTexCoord1fARB[OGL 2.1] | glTexSubImage3D[OGL 2.1] |

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| | | |
|---|---|---|
| glColorTable[OGL 2.1] | glMultiTexCoord1fv[OGL 2.1] | glTranslated[OGL 2.1] |
| glColorTableParameterfv[OGL 2.1] | glMultiTexCoord1fvARB[OGL 2.1] | glTranslatef[OGL 2.1] |
| glColorTableParameteriv[OGL 2.1] | glMultiTexCoord1i[OGL 2.1] | glUniform1f[OGL 2.1] |
| glCompileShader[OGL 2.1] | glMultiTexCoord1iARB[OGL 2.1] | glUniform1fv[OGL 2.1] |
| glCompressedTexImage1D[OGL 2.1] | glMultiTexCoord1iv[OGL 2.1] | glUniform1i[OGL 2.1] |
| glCompressedTexImage2D[OGL 2.1] | glMultiTexCoord1ivARB[OGL 2.1] | glUniform1iv[OGL 2.1] |
| glCompressedTexImage3D[OGL 2.1] | glMultiTexCoord1s[OGL 2.1] | glUniform2f[OGL 2.1] |
| glCompressedTexSubImage1D[OGL 2.1] | glMultiTexCoord1sARB[OGL 2.1] | glUniform2fv[OGL 2.1] |
| glCompressedTexSubImage2D[OGL 2.1] | glMultiTexCoord1sv[OGL 2.1] | glUniform2i[OGL 2.1] |
| glCompressedTexSubImage3D[OGL 2.1] | glMultiTexCoord1svARB[OGL 2.1] | glUniform2iv[OGL 2.1] |
| glConvolutionFilter1D[OGL 2.1] | glMultiTexCoord2d[OGL 2.1] | glUniform3f[OGL 2.1] |
| glConvolutionFilter2D[OGL 2.1] | glMultiTexCoord2dARB[OGL 2.1] | glUniform3fv[OGL 2.1] |
| glConvolutionParameterf[OGL 2.1] | glMultiTexCoord2dv[OGL 2.1] | glUniform3i[OGL 2.1] |
| glConvolutionParameterfv[OGL 2.1] | glMultiTexCoord2dvARB[OGL 2.1] | glUniform3iv[OGL 2.1] |
| glConvolutionParameteri[OGL 2.1] | glMultiTexCoord2f[OGL 2.1] | glUniform4f[OGL 2.1] |
| glConvolutionParameteriv[OGL 2.1] | glMultiTexCoord2fARB[OGL 2.1] | glUniform4fv[OGL 2.1] |
| glCopyColorSubTable[OGL 2.1] | glMultiTexCoord2fv[OGL 2.1] | glUniform4i[OGL 2.1] |
| glCopyColorTable[OGL 2.1] | glMultiTexCoord2fvARB[OGL 2.1] | glUniform4iv[OGL 2.1] |
| glCopyConvolutionFilter1D[OGL 2.1] | glMultiTexCoord2i[OGL 2.1] | glUniformMatrix2fv[OGL 2.1] |
| glCopyConvolutionFilter2D[OGL 2.1] | glMultiTexCoord2iARB[OGL 2.1] | glUniformMatrix2x3fv[OGL 2.1] |
| glCopyPixels[OGL 2.1] | glMultiTexCoord2iv[OGL 2.1] | glUniformMatrix2x4fv[OGL 2.1] |

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| | | |
|---|---|---|
| glCopyTexImage1D[OGL 2.1] | glMultiTexCoord2ivARB[OGL 2.1] | glUniformMatrix3fv[OGL 2.1] |
| glCopyTexImage2D[OGL 2.1] | glMultiTexCoord2s[OGL 2.1] | glUniformMatrix3x2fv[OGL 2.1] |
| glCopyTexSubImage1D[OGL 2.1] | glMultiTexCoord2sARB[OGL 2.1] | glUniformMatrix3x4fv[OGL 2.1] |
| glCopyTexSubImage2D[OGL 2.1] | glMultiTexCoord2sv[OGL 2.1] | glUniformMatrix4fv[OGL 2.1] |
| glCopyTexSubImage3D[OGL 2.1] | glMultiTexCoord2svARB[OGL 2.1] | glUniformMatrix4x2fv[OGL 2.1] |
| glCreateProgram[OGL 2.1] | glMultiTexCoord3d[OGL 2.1] | glUniformMatrix4x3fv[OGL 2.1] |
| glCreateShader[OGL 2.1] | glMultiTexCoord3dARB[OGL 2.1] | glUnmapBuffer[OGL 2.1] |
| glCullFace[OGL 2.1] | glMultiTexCoord3dv[OGL 2.1] | glUseProgram[OGL 2.1] |
| glDeleteBuffers[OGL 2.1] | glMultiTexCoord3dvARB[OGL 2.1] | glValidateProgram[OGL 2.1] |
| glDeleteLists[OGL 2.1] | glMultiTexCoord3f[OGL 2.1] | glVertex2d[OGL 2.1] |
| glDeleteProgram[OGL 2.1] | glMultiTexCoord3fARB[OGL 2.1] | glVertex2dv[OGL 2.1] |
| glDeleteQueries[OGL 2.1] | glMultiTexCoord3fv[OGL 2.1] | glVertex2f[OGL 2.1] |
| glDeleteShader[OGL 2.1] | glMultiTexCoord3fvARB[OGL 2.1] | glVertex2fv[OGL 2.1] |
| glDeleteTextures[OGL 2.1] | glMultiTexCoord3i[OGL 2.1] | glVertex2i[OGL 2.1] |
| glDepthFunc[OGL 2.1] | glMultiTexCoord3iARB[OGL 2.1] | glVertex2iv[OGL 2.1] |
| glDepthMask[OGL 2.1] | glMultiTexCoord3iv[OGL 2.1] | glVertex2s[OGL 2.1] |
| glDepthRange[OGL 2.1] | glMultiTexCoord3ivARB[OGL 2.1] | glVertex2sv[OGL 2.1] |
| glDetachShader[OGL 2.1] | glMultiTexCoord3s[OGL 2.1] | glVertex3d[OGL 2.1] |
| glDisable[OGL 2.1] | glMultiTexCoord3sARB[OGL 2.1] | glVertex3dv[OGL 2.1] |
| glDisableClientState[OGL 2.1] | glMultiTexCoord3sv[OGL 2.1] | glVertex3f[OGL 2.1] |
| glDisableVertexAttribArray[OGL 2.1] | glMultiTexCoord3svARB[OGL 2.1] | glVertex3fv[OGL 2.1] |

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| | | |
|---|---|---|
| glDrawArrays[OGL 2.1] | glMultiTexCoord4d[OGL 2.1] | glVertex3i[OGL 2.1] |
| glDrawBuffer[OGL 2.1] | glMultiTexCoord4dARB[OGL 2.1] | glVertex3iv[OGL 2.1] |
| glDrawBuffers[OGL 2.1] | glMultiTexCoord4dv[OGL 2.1] | glVertex3s[OGL 2.1] |
| glDrawElements[OGL 2.1] | glMultiTexCoord4dvARB[OGL 2.1] | glVertex3sv[OGL 2.1] |
| glDrawPixels[OGL 2.1] | glMultiTexCoord4f[OGL 2.1] | glVertex4d[OGL 2.1] |
| glDrawRangeElements[OGL 2.1] | glMultiTexCoord4fARB[OGL 2.1] | glVertex4dv[OGL 2.1] |
| glEdgeFlag[OGL 2.1] | glMultiTexCoord4fv[OGL 2.1] | glVertex4f[OGL 2.1] |
| glEdgeFlagPointer[OGL 2.1] | glMultiTexCoord4fvARB[OGL 2.1] | glVertex4fv[OGL 2.1] |
| glEdgeFlagv[OGL 2.1] | glMultiTexCoord4i[OGL 2.1] | glVertex4i[OGL 2.1] |
| glEnable[OGL 2.1] | glMultiTexCoord4iARB[OGL 2.1] | glVertex4iv[OGL 2.1] |
| glEnableClientState[OGL 2.1] | glMultiTexCoord4iv[OGL 2.1] | glVertex4s[OGL 2.1] |
| glEnableVertexAttribArray[OGL 2.1] | glMultiTexCoord4ivARB[OGL 2.1] | glVertex4sv[OGL 2.1] |
| glEnd[OGL 2.1] | glMultiTexCoord4s[OGL 2.1] | glVertexAttrib1d[OGL 2.1] |
| glEndList[OGL 2.1] | glMultiTexCoord4sARB[OGL 2.1] | glVertexAttrib1dv[OGL 2.1] |
| glEvalCoord1d[OGL 2.1] | glMultiTexCoord4sv[OGL 2.1] | glVertexAttrib1f[OGL 2.1] |
| glEvalCoord1dv[OGL 2.1] | glMultiTexCoord4svARB[OGL 2.1] | glVertexAttrib1fv[OGL 2.1] |
| glEvalCoord1f[OGL 2.1] | glNewList[OGL 2.1] | glVertexAttrib1s[OGL 2.1] |
| glEvalCoord1fv[OGL 2.1] | glNormal3b[OGL 2.1] | glVertexAttrib1sv[OGL 2.1] |
| glEvalCoord2d[OGL 2.1] | glNormal3bv[OGL 2.1] | glVertexAttrib2d[OGL 2.1] |
| glEvalCoord2dv[OGL 2.1] | glNormal3d[OGL 2.1] | glVertexAttrib2dv[OGL 2.1] |
| glEvalCoord2f[OGL 2.1] | glNormal3dv[OGL 2.1] | glVertexAttrib2f[OGL 2.1] |

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| | | |
|---|---|---|
| glEvalCoord2fv[OGL 2.1] | glNormal3f[OGL 2.1] | glVertexAttrib2fv[OGL 2.1] |
| glEvalMesh1[OGL 2.1] | glNormal3fv[OGL 2.1] | glVertexAttrib2s[OGL 2.1] |
| glEvalMesh2[OGL 2.1] | glNormal3i[OGL 2.1] | glVertexAttrib2sv[OGL 2.1] |
| glEvalPoint1[OGL 2.1] | glNormal3iv[OGL 2.1] | glVertexAttrib3d[OGL 2.1] |
| glEvalPoint2[OGL 2.1] | glNormal3s[OGL 2.1] | glVertexAttrib3dv[OGL 2.1] |
| glFeedbackBuffer[OGL 2.1] | glNormal3sv[OGL 2.1] | glVertexAttrib3f[OGL 2.1] |
| glFinish[OGL 2.1] | glNormalPointer[OGL 2.1] | glVertexAttrib3fv[OGL 2.1] |
| glFlush[OGL 2.1] | glOrtho[OGL 2.1] | glVertexAttrib3s[OGL 2.1] |
| glFogCoordPointer[OGL 2.1] | glPassThrough[OGL 2.1] | glVertexAttrib3sv[OGL 2.1] |
| glFogCoordd[OGL 2.1] | glPixelMapfv[OGL 2.1] | glVertexAttrib4Nbv[OGL 2.1] |
| glFogCoorddv[OGL 2.1] | glPixelMapuiv[OGL 2.1] | glVertexAttrib4Niv[OGL 2.1] |
| glFogCoordf[OGL 2.1] | glPixelMapusv[OGL 2.1] | glVertexAttrib4Nsv[OGL 2.1] |
| glFogCoordfv[OGL 2.1] | glPixelStoref[OGL 2.1] | glVertexAttrib4Nub[OGL 2.1] |
| glFogf[OGL 2.1] | glPixelStorei[OGL 2.1] | glVertexAttrib4Nubv[OGL 2.1] |
| glFogfv[OGL 2.1] | glPixelTransferf[OGL 2.1] | glVertexAttrib4Nuiv[OGL 2.1] |
| glFogi[OGL 2.1] | glPixelTransferi[OGL 2.1] | glVertexAttrib4Nusv[OGL 2.1] |
| glFogiv[OGL 2.1] | glPixelZoom[OGL 2.1] | glVertexAttrib4bv[OGL 2.1] |
| glFrontFace[OGL 2.1] | glPointParameterf[OGL 2.1] | glVertexAttrib4d[OGL 2.1] |
| glFrustum[OGL 2.1] | glPointParameterfv[OGL 2.1] | glVertexAttrib4dv[OGL 2.1] |
| glGenBuffers[OGL 2.1] | glPointParameteri[OGL 2.1] | glVertexAttrib4f[OGL 2.1] |
| glGenLists[OGL 2.1] | glPointParameteriv[OGL 2.1] | glVertexAttrib4fv[OGL 2.1] |

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| | | |
|---|---|---|
| glGenQueries[OGL 2.1] | glPointSize[OGL 2.1] | glVertexAttrib4iv[OGL 2.1] |
| glGenTextures[OGL 2.1] | glPolygonMode[OGL 2.1] | glVertexAttrib4s[OGL 2.1] |
| glGetActiveAttrib[OGL 2.1] | glPolygonOffset[OGL 2.1] | glVertexAttrib4sv[OGL 2.1] |
| glGetActiveUniform[OGL 2.1] | glPolygonStipple[OGL 2.1] | glVertexAttrib4ubv[OGL 2.1] |
| glGetAttachedShaders[OGL 2.1] | glPopAttrib[OGL 2.1] | glVertexAttrib4uiv[OGL 2.1] |
| glGetAttribLocation[OGL 2.1] | glPopClientAttrib[OGL 2.1] | glVertexAttrib4usv[OGL 2.1] |
| glGetBooleanv[OGL 2.1] | glPopMatrix[OGL 2.1] | glVertexAttribPointer[OGL 2.1] |
| glGetBufferParameteriv[OGL 2.1] | glPopName[OGL 2.1] | glVertexPointer[OGL 2.1] |
| glGetBufferPointerv[OGL 2.1] | glPrioritizeTextures[OGL 2.1] | glViewport[OGL 2.1] |
| glGetBufferSubData[OGL 2.1] | glPushAttrib[OGL 2.1] | glWindowPos2d[OGL 2.1] |
| glGetClipPlane[OGL 2.1] | glPushClientAttrib[OGL 2.1] | glWindowPos2dv[OGL 2.1] |
| glGetColorTable[OGL 2.1] | glPushMatrix[OGL 2.1] | glWindowPos2f[OGL 2.1] |
| glGetColorTableParameterfv[OGL 2.1] | glPushName[OGL 2.1] | glWindowPos2fv[OGL 2.1] |
| glGetColorTableParameteriv[OGL 2.1] | glRasterPos2d[OGL 2.1] | glWindowPos2i[OGL 2.1] |
| glGetCompressedTexImage[OGL 2.1] | glRasterPos2dv[OGL 2.1] | glWindowPos2iv[OGL 2.1] |
| glGetConvolutionFilter[OGL 2.1] | glRasterPos2f[OGL 2.1] | glWindowPos2s[OGL 2.1] |
| glGetConvolutionParameterfv[OGL 2.1] | glRasterPos2fv[OGL 2.1] | glWindowPos2sv[OGL 2.1] |
| glGetConvolutionParameteriv[OGL 2.1] | glRasterPos2i[OGL 2.1] | glWindowPos3d[OGL 2.1] |
| glGetDoublev[OGL 2.1] | glRasterPos2iv[OGL 2.1] | glWindowPos3dv[OGL 2.1] |
| glGetError[OGL 2.1] | glRasterPos2s[OGL 2.1] | glWindowPos3f[OGL 2.1] |
| glGetFloatv[OGL 2.1] | glRasterPos2sv[OGL 2.1] | glWindowPos3fv[OGL 2.1] |

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| | | |
|---|---|---|
| glGetHistogram[OGL 2.1] | glRasterPos3d[OGL 2.1] | glWindowPos3i[OGL 2.1] |
| glGetHistogramParameterfv[OGL 2.1] | glRasterPos3dv[OGL 2.1] | glWindowPos3iv[OGL 2.1] |
| glGetHistogramParameteriv[OGL 2.1] | glRasterPos3f[OGL 2.1] | glWindowPos3s[OGL 2.1] |
| glGetIntegerv[OGL 2.1] | glRasterPos3fv[OGL 2.1] | glWindowPos3sv[OGL 2.1] |
| glGetLightfv[OGL 2.1] | glRasterPos3i[OGL 2.1] | glXChooseFBConfig[GLX] |
| glGetLightiv[OGL 2.1] | glRasterPos3iv[OGL 2.1] | glXChooseVisual[GLX] |
| glGetMapdv[OGL 2.1] | glRasterPos3s[OGL 2.1] | glXCopyContext[GLX] |
| glGetMapfv[OGL 2.1] | glRasterPos3sv[OGL 2.1] | glXCreateContext[GLX] |
| glGetMapiv[OGL 2.1] | glRasterPos4d[OGL 2.1] | glXCreateGLXPixmap[GLX] |
| glGetMaterialfv[OGL 2.1] | glRasterPos4dv[OGL 2.1] | glXCreateNewContext[GLX] |
| glGetMaterialiv[OGL 2.1] | glRasterPos4f[OGL 2.1] | glXCreatePbuffer[GLX] |
| glGetMinmax[OGL 2.1] | glRasterPos4fv[OGL 2.1] | glXCreatePixmap[GLX] |
| glGetMinmaxParameterfv[OGL 2.1] | glRasterPos4i[OGL 2.1] | glXCreateWindow[GLX] |
| glGetMinmaxParameteriv[OGL 2.1] | glRasterPos4iv[OGL 2.1] | glXDestroyContext[GLX] |
| glGetPixelMapfv[OGL 2.1] | glRasterPos4s[OGL 2.1] | glXDestroyGLXPixmap[GLX] |
| glGetPixelMapuiv[OGL 2.1] | glRasterPos4sv[OGL 2.1] | glXDestroyPbuffer[GLX] |
| glGetPixelMapusv[OGL 2.1] | glReadBuffer[OGL 2.1] | glXDestroyPixmap[GLX] |
| glGetPointerv[OGL 2.1] | glReadPixels[OGL 2.1] | glXDestroyWindow[GLX] |
| glGetPolygonStipple[OGL 2.1] | glRectd[OGL 2.1] | glXFreeContextEXT[GLX] |
| glGetProgramInfoLog[OGL 2.1] | glRectdv[OGL 2.1] | glXGetClientString[GLX] |
| glGetProgramiv[OGL 2.1] | glRectf[OGL 2.1] | glXGetConfig[GLX] |

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| | | |
|---|---|---|
| glGetQueryObjectiv[OGL 2.1] | glRectfv[OGL 2.1] | glXGetContextIDEXT[GLX] |
| glGetQueryObjectuiv[OGL 2.1] | glRecti[OGL 2.1] | glXGetCurrentContext[GLX] |
| glGetQueryiv[OGL 2.1] | glRectiv[OGL 2.1] | glXGetCurrentDisplay[GLX] |
| glGetSeparableFilter[OGL 2.1] | glRects[OGL 2.1] | glXGetCurrentDrawable[GLX] |
| glGetShaderInfoLog[OGL 2.1] | glRectsv[OGL 2.1] | glXGetCurrentReadDrawable[GLX] |
| glGetShaderSource[OGL 2.1] | glRenderMode[OGL 2.1] | glXGetFBConfigAttrib[GLX] |
| glGetShaderiv[OGL 2.1] | glResetHistogram[OGL 2.1] | glXGetFBConfigs[GLX] |
| glGetString[OGL 2.1] | glResetMinmax[OGL 2.1] | glXGetProcAddress[OGL 2.1] |
| glGetTexEnvfv[OGL 2.1] | glRotated[OGL 2.1] | glXGetProcAddressARB[OGL ABI] |
| glGetTexEnviv[OGL 2.1] | glRotatef[OGL 2.1] | glXGetSelectedEvent[GLX] |
| glGetTexGendv[OGL 2.1] | glSampleCoverage[OGL 2.1] | glXGetVisualFromFBConfig[GLX] |
| glGetTexGenfv[OGL 2.1] | glScaled[OGL 2.1] | glXImportContextEXT[GLX] |
| glGetTexGeniv[OGL 2.1] | glScalef[OGL 2.1] | glXIsDirect[GLX] |
| glGetTexImage[OGL 2.1] | glScissor[OGL 2.1] | glXMakeContextCurrent[GLX] |
| glGetTexLevelParameterfv[OGL 2.1] | glSecondaryColor3b[OGL 2.1] | glXMakeCurrent[GLX] |
| glGetTexLevelParameteriv[OGL 2.1] | glSecondaryColor3bv[OGL 2.1] | glXQueryContext[GLX] |
| glGetTexParameterfv[OGL 2.1] | glSecondaryColor3d[OGL 2.1] | glXQueryContextInfoEXT[GLX] |
| glGetTexParameteriv[OGL 2.1] | glSecondaryColor3dv[OGL 2.1] | glXQueryDrawable[GLX] |
| glGetUniformLocation[OGL 2.1] | glSecondaryColor3f[OGL 2.1] | glXQueryExtension[GLX] |
| glGetUniformfv[OGL 2.1] | glSecondaryColor3fv[OGL 2.1] | glXQueryExtensionsString[GLX] |
| glGetUniformiv[OGL 2.1] | glSecondaryColor3i[OGL 2.1] | glXQueryServerString[GLX] |

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| | | |
|---|---|---|
| glGetVertexAttribPointerv[OGL 2.1] | glSecondaryColor3iv[OGL 2.1] | glXQueryVersion[GLX] |
| glGetVertexAttribdv[OGL 2.1] | glSecondaryColor3s[OGL 2.1] | glXSelectEvent[GLX] |
| glGetVertexAttribfv[OGL 2.1] | glSecondaryColor3sv[OGL 2.1] | glXSwapBuffers[GLX] |
| glGetVertexAttribiv[OGL 2.1] | glSecondaryColor3ub[OGL 2.1] | glXUseXFont[GLX] |
| glHint[OGL 2.1] | glSecondaryColor3ubv[OGL 2.1] | glXWaitGL[GLX] |
| glHistogram[OGL 2.1] | glSecondaryColor3ui[OGL 2.1] | glXWaitX[GLX] |

## A.2 libGLU

The behavior of the interfaces in this library is specified by the following Standards.

OpenGL Utilities [GLU]

**Table A-2 libGLU Function Interfaces**

| | | |
|---|---|---|
| gluBeginCurve[GLU] | gluErrorString[GLU] | gluProject[GLU] |
| gluBeginPolygon[GLU] | gluGetNurbsProperty[GLU] | gluPwlCurve[GLU] |
| gluBeginSurface[GLU] | gluGetString[GLU] | gluQuadricCallback[GLU] |
| gluBeginTrim[GLU] | gluGetTessProperty[GLU] | gluQuadricDrawStyle[GLU] |
| gluBuild1DMipmapLevels[GLU] | gluLoadSamplingMatrices[GLU] | gluQuadricNormals[GLU] |
| gluBuild1DMipmaps[GLU] | gluLookAt[GLU] | gluQuadricOrientation[GLU] |
| gluBuild2DMipmapLevels[GLU] | gluNewNurbsRenderer[GLU] | gluQuadricTexture[GLU] |
| gluBuild2DMipmaps[GLU] | gluNewQuadric[GLU] | gluScaleImage[GLU] |
| gluBuild3DMipmapLevels[GLU] | gluNewTess[GLU] | gluSphere[GLU] |
| gluBuild3DMipmaps[GLU] | gluNextContour[GLU] | gluTessBeginContour[GLU] |
| gluCheckExtension[GLU] | gluNurbsCallback[GLU] | gluTessBeginPolygon[GLU] |
| gluCylinder[GLU] | gluNurbsCallbackData[GLU] | gluTessCallback[GLU] |

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| | | |
|---|---|---|
| gluDeleteNurbsRenderer[GLU] | gluNurbsCallbackDataEXT[GLU] | gluTessEndContour[GLU] |
| gluDeleteQuadric[GLU] | gluNurbsCurve[GLU] | gluTessEndPolygon[GLU] |
| gluDeleteTess[GLU] | gluNurbsProperty[GLU] | gluTessNormal[GLU] |
| gluDisk[GLU] | gluNurbsSurface[GLU] | gluTessProperty[GLU] |
| gluEndCurve[GLU] | gluOrtho2D[GLU] | gluTessVertex[GLU] |
| gluEndPolygon[GLU] | gluPartialDisk[GLU] | gluUnProject[GLU] |
| gluEndSurface[GLU] | gluPerspective[GLU] | gluUnProject4[GLU] |
| gluEndTrim[GLU] | gluPickMatrix[GLU] | |

## A.3 libICE

The behavior of the interfaces in this library is specified by the following Standards.

This Specification [LSB]
X11 Inter-Client Exchange [XICE]

**Table A-3 libICE Function Interfaces**

| | | |
|---|---|---|
| IceAcceptConnection[XICE] | IceGetInBufSize[XICE] | IceRegisterForProtocolReply[XICE] |
| IceAddConnectionWatch[XICE] | IceGetListenConnectionNumber[XICE] | IceRegisterForProtocolSetup[XICE] |
| IceAllocScratch[XICE] | IceGetListenConnectionString[XICE] | IceRelease[XICE] |
| IceAppLockConn[XICE] | IceGetOutBufSize[XICE] | IceRemoveConnectionWatch[XICE] |
| IceAppUnlockConn[XICE] | IceInitThreads[XICE] | IceSetErrorHandler[XICE] |
| IceAuthFileName[XICE] | IceLastReceivedSequenceNumber[XICE] | IceSetHostBasedAuthProc[XICE] |
| IceCheckShutdownNegotiation[XICE] | IceLastSentSequenceNumber[XICE] | IceSetIOErrorHandler[XICE] |
| IceCloseConnection[XICE] | IceListenForConnections[XICE] | IceSetPaAuthData[XICE] |
| IceComposeNetworkIdList[XICE] | IceListenForWellKnownConnections[XICE] | IceSetShutdownNegotiation[XICE] |
| IceConnectionNumber[XICE] | IceLockAuthFile[XICE] | IceSwapping[XICE] |
| IceConnectionStatus[XICE] | IceOpenConnection[XICE] | IceUnlockAuthFile[XICE] |

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| | | |
|---|---|---|
| IceConnectionString[XICE] | IcePing[XICE] | IceVendor[XICE] |
| IceFlush[XICE] | IceProcessMessages[XICE] | IceWriteAuthFileEntry[XICE] |
| IceFreeAuthFileEntry[XICE] | IceProtocolRevision[XICE] | _IceRead[LSB] |
| IceFreeListenObjs[XICE] | IceProtocolSetup[XICE] | _IceReadSkip[LSB] |
| IceGenerateMagicCookie[XICE] | IceProtocolShutdown[XICE] | _IceWrite[LSB] |
| IceGetAuthFileEntry[XICE] | IceProtocolVersion[XICE] | |
| IceGetConnectionContext[XICE] | IceReadAuthFileEntry[XICE] | |

## A.4 libSM

The behavior of the interfaces in this library is specified by the following Standards.

X11 Session Management [XSM]

**Table A-4 libSM Function Interfaces**

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

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| | | |
|---|---|---|
| SmcProtocolRevision[XSM] | SmsGenerateClientID[XSM] | |
| SmcProtocolVersion[XSM] | SmsGetIceConnection[XSM] | |

## A.5 libX11

The behavior of the interfaces in this library is specified by the following Standards.

This Specification [LSB]
X11 Keyboard Extension [XKBlib]
X11 C Library [Xlib]

**Table A-5 libX11 Function Interfaces**

| | | |
|---|---|---|
| XActivateScreenSaver[Xlib] | XImageByteOrder[Xlib] | XcmsCIELabWhiteShiftColors[Xlib] |
| XAddConnectionWatch[Xlib] | XInitExtension[Xlib] | XcmsCIELuvClipL[Xlib] |
| XAddExtension[Xlib] | XInitImage[Xlib] | XcmsCIELuvClipLuv[Xlib] |
| XAddHost[Xlib] | XInitThreads[Xlib] | XcmsCIELuvClipuv[Xlib] |
| XAddHosts[Xlib] | XInsertModifiermapEntry[Xlib] | XcmsCIELuvQueryMaxC[Xlib] |
| XAddPixel[Xlib] | XInstallColormap[Xlib] | XcmsCIELuvQueryMaxL[Xlib] |
| XAddToExtensionList[Xlib] | XInternAtom[Xlib] | XcmsCIELuvQueryMaxLC[Xlib] |
| XAddToSaveSet[Xlib] | XInternAtoms[Xlib] | XcmsCIELuvQueryMinL[Xlib] |
| XAllPlanes[Xlib] | XInternalConnectionNumbers[Xlib] | XcmsCIELuvToCIEuvY[Xlib] |
| XAllocClassHint[Xlib] | XIntersectRegion[Xlib] | XcmsCIELuvWhiteShiftColors[Xlib] |
| XAllocColor[Xlib] | XKeycodeToKeysym[Xlib] | XcmsCIEXYZToCIELab[Xlib] |
| XAllocColorCells[Xlib] | XKeysymToKeycode[Xlib] | XcmsCIEXYZToCIEuvY[Xlib] |
| XAllocColorPlanes[Xlib] | XKeysymToString[Xlib] | XcmsCIEXYZToCIExyY[Xlib] |
| XAllocIconSize[Xlib] | XKillClient[Xlib] | XcmsCIEXYZToRGBi[Xlib] |
| XAllocNamedColor[Xlib] | XLastKnownRequestProcessed[Xlib] | XcmsCIEuvYToCIELuv[Xlib] |

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| | | |
|---|---|---|
| XAllocSizeHints[Xlib] | XListDepths[Xlib] | XcmsCIEuvYToCIEXYZ[Xlib] |
| XAllocStandardColormap[Xlib] | XListExtensions[Xlib] | XcmsCIEuvYToTekHVC[Xlib] |
| XAllocWMHints[Xlib] | XListFonts[Xlib] | XcmsCIExyYToCIEXYZ[Xlib] |
| XAllowEvents[Xlib] | XListFontsWithInfo[Xlib] | XcmsClientWhitePointOfCCC[Xlib] |
| XAutoRepeatOff[Xlib] | XListHosts[Xlib] | XcmsConvertColors[Xlib] |
| XAutoRepeatOn[Xlib] | XListInstalledColormaps[Xlib] | XcmsCreateCCC[Xlib] |
| XBaseFontNameListOfFontSet[Xlib] | XListPixmapFormats[Xlib] | XcmsDefaultCCC[Xlib] |
| XBell[Xlib] | XListProperties[Xlib] | XcmsDisplayOfCCC[Xlib] |
| XBitmapBitOrder[Xlib] | XLoadFont[Xlib] | XcmsFormatOfPrefix[Xlib] |
| XBitmapPad[Xlib] | XLoadQueryFont[Xlib] | XcmsFreeCCC[Xlib] |
| XBitmapUnit[Xlib] | XLocaleOfFontSet[Xlib] | XcmsLookupColor[Xlib] |
| XBlackPixel[Xlib] | XLocaleOfIM[Xlib] | XcmsPrefixOfFormat[Xlib] |
| XBlackPixelOfScreen[Xlib] | XLocaleOfOM[Xlib] | XcmsQueryBlack[Xlib] |
| XCellsOfScreen[Xlib] | XLockDisplay[Xlib] | XcmsQueryBlue[Xlib] |
| XChangeActivePointerGrab[Xlib] | XLookupColor[Xlib] | XcmsQueryColor[Xlib] |
| XChangeGC[Xlib] | XLookupKeysym[Xlib] | XcmsQueryColors[Xlib] |
| XChangeKeyboardControl[Xlib] | XLookupString[Xlib] | XcmsQueryGreen[Xlib] |
| XChangeKeyboardMapping[Xlib] | XLowerWindow[Xlib] | XcmsQueryRed[Xlib] |
| XChangePointerControl[Xlib] | XMapRaised[Xlib] | XcmsQueryWhite[Xlib] |
| XChangeProperty[Xlib] | XMapSubwindows[Xlib] | XcmsRGBToRGBi[Xlib] |
| XChangeSaveSet[Xlib] | XMapWindow[Xlib] | XcmsRGBiToCIEXYZ[Xlib] |
| XChangeWindowAttributes[Xlib] | XMaskEvent[Xlib] | XcmsRGBiToRGB[Xlib] |

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| | | |
|---|---|---|
| XCheckIfEvent[Xlib] | XMatchVisualInfo[Xlib] | XcmsScreenNumberOfCCC[Xlib] |
| XCheckMaskEvent[Xlib] | XMaxCmapsOfScreen[Xlib] | XcmsScreenWhitePointOfCCC[Xlib] |
| XCheckTypedEvent[Xlib] | XMaxRequestSize[Xlib] | XcmsSetCCCOfColormap[Xlib] |
| XCheckTypedWindowEvent[Xlib] | XMinCmapsOfScreen[Xlib] | XcmsSetCompressionProc[Xlib] |
| XCheckWindowEvent[Xlib] | XMoveResizeWindow[Xlib] | XcmsSetWhiteAdjustProc[Xlib] |
| XCirculateSubwindows[Xlib] | XMoveWindow[Xlib] | XcmsSetWhitePoint[Xlib] |
| XCirculateSubwindowsDown[Xlib] | XNewModifiermap[Xlib] | XcmsStoreColor[Xlib] |
| XCirculateSubwindowsUp[Xlib] | XNextEvent[Xlib] | XcmsStoreColors[Xlib] |
| XClearArea[Xlib] | XNextRequest[Xlib] | XcmsTekHVCClipC[Xlib] |
| XClearWindow[Xlib] | XNoOp[Xlib] | XcmsTekHVCClipV[Xlib] |
| XClipBox[Xlib] | XOMOfOC[Xlib] | XcmsTekHVCClipVC[Xlib] |
| XCloseDisplay[Xlib] | XOffsetRegion[Xlib] | XcmsTekHVCQueryMaxC[Xlib] |
| XCloseIM[Xlib] | XOpenDisplay[Xlib] | XcmsTekHVCQueryMaxV[Xlib] |
| XCloseOM[Xlib] | XOpenIM[Xlib] | XcmsTekHVCQueryMaxVC[Xlib] |
| XConfigureWindow[Xlib] | XOpenOM[Xlib] | XcmsTekHVCQueryMaxVSamples[Xlib] |
| XConnectionNumber[Xlib] | XParseColor[Xlib] | XcmsTekHVCQueryMinV[Xlib] |
| XContextDependentDrawing[Xlib] | XParseGeometry[Xlib] | XcmsTekHVCToCIEuvY[Xlib] |
| XContextualDrawing[Xlib] | XPeekEvent[Xlib] | XcmsTekHVCWhiteShiftColors[Xlib] |
| XConvertCase[Xlib] | XPeekIfEvent[Xlib] | XcmsVisualOfCCC[Xlib] |
| XConvertSelection[Xlib] | XPending[Xlib] | XkbAllocClientMap[XKBlib] |
| XCopyArea[Xlib] | XPlanesOfScreen[Xlib] | XkbAllocCompatMap[XKBlib] |

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| | | |
|---|---|---|
| XCopyColormapAndFree[Xlib] | XPointInRegion[Xlib] | XkbAllocControls[XKBlib] |
| XCopyGC[Xlib] | XPolygonRegion[Xlib] | XkbAllocGeomColors[XKBlib] |
| XCopyPlane[Xlib] | XProcessInternalConnection[Xlib] | XkbAllocGeomDoodads[XKBlib] |
| XCreateBitmapFromData[Xlib] | XProtocolRevision[Xlib] | XkbAllocGeomKeyAliases[XKBlib] |
| XCreateColormap[Xlib] | XProtocolVersion[Xlib] | XkbAllocGeomKeys[XKBlib] |
| XCreateFontCursor[Xlib] | XPutBackEvent[Xlib] | XkbAllocGeomOutlines[XKBlib] |
| XCreateFontSet[Xlib] | XPutImage[Xlib] | XkbAllocGeomOverlayKeys[XKBlib] |
| XCreateGC[Xlib] | XPutPixel[Xlib] | XkbAllocGeomOverlayRows[XKBlib] |
| XCreateGlyphCursor[Xlib] | XQLength[Xlib] | XkbAllocGeomOverlays[XKBlib] |
| XCreateIC[Xlib] | XQueryBestCursor[Xlib] | XkbAllocGeomPoints[XKBlib] |
| XCreateImage[Xlib] | XQueryBestSize[Xlib] | XkbAllocGeomProps[XKBlib] |
| XCreateOC[Xlib] | XQueryBestStipple[Xlib] | XkbAllocGeomRows[XKBlib] |
| XCreatePixmap[Xlib] | XQueryBestTile[Xlib] | XkbAllocGeomSectionDoodads[XKBlib] |
| XCreatePixmapCursor[Xlib] | XQueryColor[Xlib] | XkbAllocGeomSections[XKBlib] |
| XCreatePixmapFromBitmapData[Xlib] | XQueryColors[Xlib] | XkbAllocGeomShapes[XKBlib] |
| XCreateRegion[Xlib] | XQueryExtension[Xlib] | XkbAllocGeometry[XKBlib] |
| XCreateSimpleWindow[Xlib] | XQueryFont[Xlib] | XkbAllocIndicatorMaps[XKBlib] |
| XCreateWindow[Xlib] | XQueryKeymap[Xlib] | XkbAllocKeyboard[XKBlib] |
| XDefaultColormap[Xlib] | XQueryPointer[Xlib] | XkbAllocNames[XKBlib] |
| XDefaultColormapOfScreen[Xlib] | XQueryTextExtents[Xlib] | XkbAllocServerMap[XKBlib] |
| XDefaultDepth[Xlib] | XQueryTextExtents16[Xlib] | XkbApplyCompatMapToKey[XKBlib] |

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| | | |
|---|---|---|
| XDefaultDepthOfScreen[Xlib] | XQueryTree[Xlib] | XkbBell[XKBlib] |
| XDefaultGC[Xlib] | XRaiseWindow[Xlib] | XkbBellEvent[XKBlib] |
| XDefaultGCOfScreen[Xlib] | XReadBitmapFile[Xlib] | XkbChangeEnabledControls[XKBlib] |
| XDefaultRootWindow[Xlib] | XReadBitmapFileData[Xlib] | XkbChangeMap[XKBlib] |
| XDefaultScreen[Xlib] | XRebindKeysym[Xlib] | XkbChangeNames[XKBlib] |
| XDefaultScreenOfDisplay[Xlib] | XRecolorCursor[Xlib] | XkbChangeTypesOfKey[XKBlib] |
| XDefaultString[Xlib] | XReconfigureWMWindow[Xlib] | XkbComputeEffectiveMap[XKBlib] |
| XDefaultVisual[Xlib] | XRectInRegion[Xlib] | XkbComputeRowBounds[XKBlib] |
| XDefaultVisualOfScreen[Xlib] | XRefreshKeyboardMapping[Xlib] | XkbComputeSectionBounds[XKBlib] |
| XDefineCursor[Xlib] | XRegisterIMInstantiateCallback[Xlib] | XkbComputeShapeBounds[XKBlib] |
| XDeleteContext[Xlib] | XRemoveConnectionWatch[Xlib] | XkbComputeShapeTop[XKBlib] |
| XDeleteModifiermapEntry[Xlib] | XRemoveFromSaveSet[Xlib] | XkbCopyKeyType[XKBlib] |
| XDeleteProperty[Xlib] | XRemoveHost[Xlib] | XkbCopyKeyTypes[XKBlib] |
| XDestroyIC[Xlib] | XRemoveHosts[Xlib] | XkbFindOverlayForKey[XKBlib] |
| XDestroyImage[Xlib] | XReparentWindow[Xlib] | XkbForceBell[XKBlib] |
| XDestroyOC[Xlib] | XResetScreenSaver[Xlib] | XkbFreeClientMap[XKBlib] |
| XDestroyRegion[Xlib] | XResizeWindow[Xlib] | XkbFreeCompatMap[XKBlib] |
| XDestroySubwindows[Xlib] | XResourceManagerString[Xlib] | XkbFreeComponentList[XKBlib] |
| XDestroyWindow[Xlib] | XRestackWindows[Xlib] | XkbFreeControls[XKBlib] |
| XDirectionalDependentDrawing[Xlib] | XRootWindow[Xlib] | XkbFreeGeomColors[XKBlib] |
| XDisableAccessControl[Xlib] | XRootWindowOfScreen[Xlib] | XkbFreeGeomDoodads[XKBlib] |

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| | | |
|---|---|---|
| XDisplayCells[Xlib] | XRotateBuffers[Xlib] | XkbFreeGeomKeyAliases[XKBlib] |
| XDisplayHeight[Xlib] | XRotateWindowProperties[Xlib] | XkbFreeGeomKeys[XKBlib] |
| XDisplayHeightMM[Xlib] | XSaveContext[Xlib] | XkbFreeGeomOutlines[XKBlib] |
| XDisplayKeycodes[Xlib] | XScreenCount[Xlib] | XkbFreeGeomOverlayKeys[XKBlib] |
| XDisplayMotionBufferSize[Xlib] | XScreenNumberOfScreen[Xlib] | XkbFreeGeomOverlayRows[XKBlib] |
| XDisplayName[Xlib] | XScreenOfDisplay[Xlib] | XkbFreeGeomOverlays[XKBlib] |
| XDisplayOfIM[Xlib] | XScreenResourceString[Xlib] | XkbFreeGeomPoints[XKBlib] |
| XDisplayOfOM[Xlib] | XSelectInput[Xlib] | XkbFreeGeomProperties[XKBlib] |
| XDisplayOfScreen[Xlib] | XSendEvent[Xlib] | XkbFreeGeomRows[XKBlib] |
| XDisplayPlanes[Xlib] | XServerVendor[Xlib] | XkbFreeGeomSections[XKBlib] |
| XDisplayString[Xlib] | XSetAccessControl[Xlib] | XkbFreeGeomShapes[XKBlib] |
| XDisplayWidth[Xlib] | XSetAfterFunction[Xlib] | XkbFreeGeometry[XKBlib] |
| XDisplayWidthMM[Xlib] | XSetArcMode[Xlib] | XkbFreeIndicatorMaps[XKBlib] |
| XDoesBackingStore[Xlib] | XSetAuthorization[Xlib] | XkbFreeKeyboard[XKBlib] |
| XDoesSaveUnders[Xlib] | XSetBackground[Xlib] | XkbFreeNames[XKBlib] |
| XDrawArc[Xlib] | XSetClassHint[Xlib] | XkbFreeServerMap[XKBlib] |
| XDrawArcs[Xlib] | XSetClipMask[Xlib] | XkbGetAutoRepeatRate[XKBlib] |
| XDrawImageString[Xlib] | XSetClipOrigin[Xlib] | XkbGetCompatMap[XKBlib] |
| XDrawImageString16[Xlib] | XSetClipRectangles[Xlib] | XkbGetControls[XKBlib] |
| XDrawLine[Xlib] | XSetCloseDownMode[Xlib] | XkbGetGeometry[XKBlib] |
| XDrawLines[Xlib] | XSetCommand[Xlib] | XkbGetIndicatorMap[XKBlib] |

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| | | |
|---|---|---|
| XDrawPoint[Xlib] | XSetDashes[Xlib] | XkbGetIndicatorState[XKBlib] |
| XDrawPoints[Xlib] | XSetErrorHandler[Xlib] | XkbGetKeyActions[XKBlib] |
| XDrawRectangle[Xlib] | XSetFillRule[Xlib] | XkbGetKeyBehaviors[XKBlib] |
| XDrawRectangles[Xlib] | XSetFillStyle[Xlib] | XkbGetKeyExplicitComponents[XKBlib] |
| XDrawSegments[Xlib] | XSetFont[Xlib] | XkbGetKeyModifierMap[XKBlib] |
| XDrawString[Xlib] | XSetFontPath[Xlib] | XkbGetKeySyms[XKBlib] |
| XDrawString16[Xlib] | XSetForeground[Xlib] | XkbGetKeyTypes[XKBlib] |
| XDrawText[Xlib] | XSetFunction[Xlib] | XkbGetKeyboard[XKBlib] |
| XDrawText16[Xlib] | XSetGraphicsExposures[Xlib] | XkbGetKeyboardByName[XKBlib] |
| XEHeadOfExtensionList[Xlib] | XSetICFocus[Xlib] | XkbGetMap[XKBlib] |
| XESetBeforeFlush[Xlib] | XSetICValues[Xlib] | XkbGetMapChanges[XKBlib] |
| XESetCloseDisplay[Xlib] | XSetIMValues[Xlib] | XkbGetNamedGeometry[XKBlib] |
| XESetCopyGC[Xlib] | XSetIOErrorHandler[Xlib] | XkbGetNamedIndicator[XKBlib] |
| XESetCreateFont[Xlib] | XSetIconName[Xlib] | XkbGetNames[XKBlib] |
| XESetCreateGC[Xlib] | XSetIconSizes[Xlib] | XkbGetPerClientControls[XKBlib] |
| XESetError[Xlib] | XSetInputFocus[Xlib] | XkbGetState[XKBlib] |
| XESetErrorString[Xlib] | XSetLineAttributes[Xlib] | XkbGetUpdatedMap[XKBlib] |
| XESetEventToWire[Xlib] | XSetLocaleModifiers[Xlib] | XkbGetVirtualMods[XKBlib] |
| XESetFlushGC[Xlib] | XSetModifierMapping[Xlib] | XkbGetXlibControls[XKBlib] |
| XESetFreeFont[Xlib] | XSetNormalHints[Xlib] | XkbIgnoreExtension[XKBlib] |
| XESetFreeGC[Xlib] | XSetOCValues[Xlib] | XkbInitCanonicalKeyTypes[XKBlib] |
| XESetPrintErrorValues[Xlib] | XSetOMValues[Xlib] | XkbKeyTypesForCoreSymbols[XKBlib] |

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| | | |
|---|---|---|
| XESetWireToError[Xlib] | XSetPlaneMask[Xlib] | XkbKeycodeToKeysym[XKBlib] |
| XESetWireToEvent[Xlib] | XSetPointerMapping[Xlib] | XkbKeysymToModifiers[XKBlib] |
| XEmptyRegion[Xlib] | XSetRGBColormaps[Xlib] | XkbLatchGroup[XKBlib] |
| XEnableAccessControl[Xlib] | XSetRegion[Xlib] | XkbLatchModifiers[XKBlib] |
| XEqualRegion[Xlib] | XSetScreenSaver[Xlib] | XkbLibraryVersion[XKBlib] |
| XEventMaskOfScreen[Xlib] | XSetSelectionOwner[Xlib] | XkbListComponents[XKBlib] |
| XEventsQueued[Xlib] | XSetSizeHints[Xlib] | XkbLockGroup[XKBlib] |
| XExtendedMaxRequestSize[Xlib] | XSetStandardColormap[Xlib] | XkbLockModifiers[XKBlib] |
| XExtentsOfFontSet[Xlib] | XSetStandardProperties[Xlib] | XkbLookupKeyBinding[XKBlib] |
| XFetchBuffer[Xlib] | XSetState[Xlib] | XkbLookupKeySym[XKBlib] |
| XFetchBytes[Xlib] | XSetStipple[Xlib] | XkbNoteControlsChanges[XKBlib] |
| XFetchName[Xlib] | XSetSubwindowMode[Xlib] | XkbNoteMapChanges[XKBlib] |
| XFillArc[Xlib] | XSetTSOrigin[Xlib] | XkbNoteNameChanges[XKBlib] |
| XFillArcs[Xlib] | XSetTextProperty[Xlib] | XkbOpenDisplay[XKBlib] |
| XFillPolygon[Xlib] | XSetTile[Xlib] | XkbQueryExtension[XKBlib] |
| XFillRectangle[Xlib] | XSetTransientForHint[Xlib] | XkbRefreshKeyboardMapping[XKBlib] |
| XFillRectangles[Xlib] | XSetWMClientMachine[Xlib] | XkbResizeKeyActions[XKBlib] |
| XFilterEvent[Xlib] | XSetWMColormapWindows[Xlib] | XkbResizeKeySyms[XKBlib] |
| XFindContext[Xlib] | XSetWMHints[Xlib] | XkbResizeKeyType[XKBlib] |
| XFindOnExtensionList[Xlib] | XSetWMIconName[Xlib] | XkbSelectEventDetails[XKBlib] |
| XFlush[Xlib] | XSetWMName[Xlib] | XkbSelectEvents[XKBlib] |

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| | | |
|---|---|---|
| XFlushGC[Xlib] | XSetWMNormalHints[Xlib] | XkbSetAtomFuncs[XKBlib] |
| XFontsOfFontSet[Xlib] | XSetWMProperties[Xlib] | XkbSetAutoRepeatRate[XKBlib] |
| XForceScreenSaver[Xlib] | XSetWMProtocols[Xlib] | XkbSetAutoResetControls[XKBlib] |
| XFree[Xlib] | XSetWMSizeHints[Xlib] | XkbSetCompatMap[XKBlib] |
| XFreeColormap[Xlib] | XSetWindowBackground[Xlib] | XkbSetControls[XKBlib] |
| XFreeColors[Xlib] | XSetWindowBackgroundPixmap[Xlib] | XkbSetDebuggingFlags[XKBlib] |
| XFreeCursor[Xlib] | XSetWindowBorder[Xlib] | XkbSetDetectableAutoRepeat[XKBlib] |
| XFreeExtensionList[Xlib] | XSetWindowBorderPixmap[Xlib] | XkbSetGeometry[XKBlib] |
| XFreeFont[Xlib] | XSetWindowBorderWidth[Xlib] | XkbSetIgnoreLockMods[XKBlib] |
| XFreeFontInfo[Xlib] | XSetWindowColormap[Xlib] | XkbSetIndicatorMap[XKBlib] |
| XFreeFontNames[Xlib] | XSetZoomHints[Xlib] | XkbSetMap[XKBlib] |
| XFreeFontPath[Xlib] | XShrinkRegion[Xlib] | XkbSetNamedIndicator[XKBlib] |
| XFreeFontSet[Xlib] | XStoreBuffer[Xlib] | XkbSetNames[XKBlib] |
| XFreeGC[Xlib] | XStoreBytes[Xlib] | XkbSetPerClientControls[XKBlib] |
| XFreeModifiermap[Xlib] | XStoreColor[Xlib] | XkbSetServerInternalMods[XKBlib] |
| XFreePixmap[Xlib] | XStoreColors[Xlib] | XkbSetXlibControls[XKBlib] |
| XFreeStringList[Xlib] | XStoreName[Xlib] | XkbToControl[XKBlib] |
| XGContextFromGC[Xlib] | XStoreNamedColor[Xlib] | XkbTranslateKeyCode[XKBlib] |
| XGeometry[Xlib] | XStringListToTextProperty[Xlib] | XkbTranslateKeySym[XKBlib] |
| XGetAtomName[Xlib] | XStringToKeysym[Xlib] | XkbUpdateMapFromCore[XKBlib] |
| XGetAtomNames[Xlib] | XSubImage[Xlib] | XkbUseExtension[XKBlib] |
| XGetClassHint[Xlib] | XSubtractRegion[Xlib] | XkbVirtualModsToReal[XKBlib] |

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| | | |
|---|---|---|
| XGetCommand[Xlib] | XSupportsLocale[Xlib] | XmbDrawImageString[Xlib] |
| XGetDefault[Xlib] | XSync[Xlib] | XmbDrawString[Xlib] |
| XGetErrorDatabaseText[Xlib] | XSynchronize[Xlib] | XmbDrawText[Xlib] |
| XGetErrorText[Xlib] | XTextExtents[Xlib] | XmbLookupString[Xlib] |
| XGetFontPath[Xlib] | XTextExtents16[Xlib] | XmbResetIC[Xlib] |
| XGetFontProperty[Xlib] | XTextPropertyToStringList[Xlib] | XmbSetWMProperties[Xlib] |
| XGetGCValues[Xlib] | XTextWidth[Xlib] | XmbTextEscapement[Xlib] |
| XGetGeometry[Xlib] | XTextWidth16[Xlib] | XmbTextExtents[Xlib] |
| XGetICValues[Xlib] | XTranslateCoordinates[Xlib] | XmbTextListToTextProperty[Xlib] |
| XGetIMValues[Xlib] | XUndefineCursor[Xlib] | XmbTextPerCharExtents[Xlib] |
| XGetIconName[Xlib] | XUngrabButton[Xlib] | XmbTextPropertyToTextList[Xlib] |
| XGetIconSizes[Xlib] | XUngrabKey[Xlib] | XrmCombineDatabase[Xlib] |
| XGetImage[Xlib] | XUngrabKeyboard[Xlib] | XrmCombineFileDatabase[Xlib] |
| XGetInputFocus[Xlib] | XUngrabPointer[Xlib] | XrmDestroyDatabase[Xlib] |
| XGetKeyboardControl[Xlib] | XUngrabServer[Xlib] | XrmEnumerateDatabase[Xlib] |
| XGetKeyboardMapping[Xlib] | XUninstallColormap[Xlib] | XrmGetDatabase[Xlib] |
| XGetModifierMapping[Xlib] | XUnionRectWithRegion[Xlib] | XrmGetFileDatabase[Xlib] |
| XGetMotionEvents[Xlib] | XUnionRegion[Xlib] | XrmGetResource[Xlib] |
| XGetNormalHints[Xlib] | XUnloadFont[Xlib] | XrmGetStringDatabase[Xlib] |
| XGetOCValues[Xlib] | XUnlockDisplay[Xlib] | XrmInitialize[Xlib] |
| XGetOMValues[Xlib] | XUnmapSubwindows[Xlib] | XrmLocaleOfDatabase[Xlib] |
| XGetPixel[Xlib] | XUnmapWindow[Xlib] | XrmMergeDatabases[Xlib] |
| XGetPointerControl[Xlib] | XUnregisterIMInstantiateCallback[Xlib] | XrmParseCommand[Xlib] |

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| | | |
|---|---|---|
| XGetPointerMapping[Xlib] | XUnsetICFocus[Xlib] | XrmPermStringToQuark[Xlib] |
| XGetRGBColormaps[Xlib] | XVaCreateNestedList[Xlib] | XrmPutFileDatabase[Xlib] |
| XGetScreenSaver[Xlib] | XVendorRelease[Xlib] | XrmPutLineResource[Xlib] |
| XGetSelectionOwner[Xlib] | XVisualIDFromVisual[Xlib] | XrmPutResource[Xlib] |
| XGetSizeHints[Xlib] | XWMGeometry[Xlib] | XrmPutStringResource[Xlib] |
| XGetStandardColormap[Xlib] | XWarpPointer[Xlib] | XrmQGetResource[Xlib] |
| XGetSubImage[Xlib] | XWhitePixel[Xlib] | XrmQGetSearchList[Xlib] |
| XGetTextProperty[Xlib] | XWhitePixelOfScreen[Xlib] | XrmQGetSearchResource[Xlib] |
| XGetTransientForHint[Xlib] | XWidthMMOfScreen[Xlib] | XrmQPutResource[Xlib] |
| XGetVisualInfo[Xlib] | XWidthOfScreen[Xlib] | XrmQPutStringResource[Xlib] |
| XGetWMClientMachine[Xlib] | XWindowEvent[Xlib] | XrmQuarkToString[Xlib] |
| XGetWMColormapWindows[Xlib] | XWithdrawWindow[Xlib] | XrmSetDatabase[Xlib] |
| XGetWMHints[Xlib] | XWriteBitmapFile[Xlib] | XrmStringToBindingQuarkList[Xlib] |
| XGetWMIconName[Xlib] | XXorRegion[Xlib] | XrmStringToQuark[Xlib] |
| XGetWMName[Xlib] | XauDisposeAuth[Xlib] | XrmStringToQuarkList[Xlib] |
| XGetWMNormalHints[Xlib] | XauFileName[Xlib] | XrmUniqueQuark[Xlib] |
| XGetWMProtocols[Xlib] | XauGetBestAuthByAddr[Xlib] | Xutf8TextListToTextProperty[LSB] |
| XGetWMSizeHints[Xlib] | XauReadAuth[Xlib] | Xutf8TextPropertyToTextList[LSB] |
| XGetWindowAttributes[Xlib] | XcmsAddColorSpace[Xlib] | XwcDrawImageString[Xlib] |
| XGetWindowProperty[Xlib] | XcmsAddFunctionSet[Xlib] | XwcDrawString[Xlib] |
| XGetZoomHints[Xlib] | XcmsAllocColor[Xlib] | XwcDrawText[Xlib] |

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| | | |
|---|---|---|
| XGrabButton[Xlib] | XcmsAllocNamedColor [Xlib] | XwcFreeStringList[Xlib] |
| XGrabKey[Xlib] | XcmsCCCOfColormap[ Xlib] | XwcLookupString[Xlib] |
| XGrabKeyboard[Xlib] | XcmsCIELabClipL[Xlib] | XwcResetIC[Xlib] |
| XGrabPointer[Xlib] | XcmsCIELabClipLab[Xl ib] | XwcTextEscapement[Xl ib] |
| XGrabServer[Xlib] | XcmsCIELabClipab[Xli b] | XwcTextExtents[Xlib] |
| XHeightMMOfScreen[X lib] | XcmsCIELabQueryMax C[Xlib] | XwcTextListToTextPro perty[Xlib] |
| XHeightOfScreen[Xlib] | XcmsCIELabQueryMax L[Xlib] | XwcTextPerCharExtent s[Xlib] |
| XIMOfIC[Xlib] | XcmsCIELabQueryMax LC[Xlib] | XwcTextPropertyToTex tList[Xlib] |
| XIconifyWindow[Xlib] | XcmsCIELabQueryMin L[Xlib] | |
| XIfEvent[Xlib] | XcmsCIELabToCIEXYZ [Xlib] | |

## A.6 libXext

The behavior of the interfaces in this library is specified by the following Standards.

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

**Table A-6 libXext Function Interfaces**

| | | |
|---|---|---|
| DPMSCapable[X-DPMS] | XShmCreatePixmap[X-shm] | XSyncValueEqual[X-sync] |
| DPMSDisable[X-DPMS] | XShmDetach[X-shm] | XSyncValueGreaterOrEqual[X-sync] |
| DPMSEnable[X-DPMS] | XShmGetEventBase[X-shm] | XSyncValueGreaterThan[X-sync] |
| DPMSForceLevel[X-DPMS] | XShmGetImage[X-shm] | XSyncValueHigh32[X-sync] |
| DPMSGetTimeouts[X-DPMS] | XShmPixmapFormat[X-shm] | XSyncValueIsNegative[X-sync] |

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| | | |
|---|---|---|
| DPMSGetVersion[X-DPMS] | XShmPutImage[X-shm] | XSyncValueIsPositive[X-sync] |
| DPMSInfo[X-DPMS] | XShmQueryExtension[X-shm] | XSyncValueIsZero[X-sync] |
| DPMSQueryExtension[X-DPMS] | XShmQueryVersion[X-shm] | XSyncValueLessOrEqual[X-sync] |
| DPMSSetTimeouts[X-DPMS] | XSyncAwait[X-sync] | XSyncValueLessThan[X-sync] |
| XMissingExtension[LSB] | XSyncChangeAlarm[X-sync] | XSyncValueLow32[X-sync] |
| XSecurityAllocXauth[X-security] | XSyncChangeCounter[X-sync] | XSyncValueSubtract[X-sync] |
| XSecurityFreeXauth[X-security] | XSyncCreateAlarm[X-sync] | XdbeAllocateBackBufferName[X-dbe] |
| XSecurityGenerateAuthorization[X-security] | XSyncCreateCounter[X-sync] | XdbeBeginIdiom[X-dbe] |
| XSecurityQueryExtension[X-security] | XSyncDestroyAlarm[X-sync] | XdbeDeallocateBackBufferName[X-dbe] |
| XSecurityRevokeAuthorization[X-security] | XSyncDestroyCounter[X-sync] | XdbeEndIdiom[X-dbe] |
| XSetExtensionErrorHandler[LSB] | XSyncFreeSystemCounterList[X-sync] | XdbeFreeVisualInfo[X-dbe] |
| XShapeCombineMask[X-shape] | XSyncGetPriority[X-sync] | XdbeGetBackBufferAttributes[X-dbe] |
| XShapeCombineRectangles[X-shape] | XSyncInitialize[X-sync] | XdbeGetVisualInfo[X-dbe] |
| XShapeCombineRegion[X-shape] | XSyncIntToValue[X-sync] | XdbeQueryExtension[X-dbe] |
| XShapeCombineShape[X-shape] | XSyncIntsToValue[X-sync] | XdbeSwapBuffers[X-dbe] |
| XShapeGetRectangles[X-shape] | XSyncListSystemCounters[X-sync] | XeviGetVisualInfo[X-evi] |
| XShapeInputSelected[X-shape] | XSyncMaxValue[X-sync] | XeviQueryExtension[X-evi] |
| XShapeOffsetShape[X-shape] | XSyncMinValue[X-sync] | XeviQueryVersion[X-evi] |
| XShapeQueryExtension[X-shape] | XSyncQueryAlarm[X-sync] | XextAddDisplay[LSB] |
| XShapeQueryExtents[X-shape] | XSyncQueryCounter[X-sync] | XextCreateExtension[LSB] |
| XShapeQueryVersion[X-shape] | XSyncQueryExtension[X-sync] | XextDestroyExtension[LSB] |

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| | | |
|---|---|---|
| XShapeSelectInput[X-shape] | XSyncSetCounter[X-sync] | XextFindDisplay[LSB] |
| XShmAttach[X-shm] | XSyncSetPriority[X-sync] | XextRemoveDisplay[LSB] |
| XShmCreateImage[X-shm] | XSyncValueAdd[X-sync] | |

## A.7 libXft

The behavior of the interfaces in this library is specified by the following Standards.

This Specification [LSB]

**Table A-7 libXft Function Interfaces**

| | | |
|---|---|---|
| XftCharExists[LSB] | XftDrawSetClipRectangles[LSB] | XftGlyphFontSpecRender[LSB] |
| XftCharFontSpecRender[LSB] | XftDrawSetSubwindowMode[LSB] | XftGlyphRender[LSB] |
| XftCharIndex[LSB] | XftDrawSrcPicture[LSB] | XftGlyphSpecRender[LSB] |
| XftCharSpecRender[LSB] | XftDrawString16[LSB] | XftInit[LSB] |
| XftColorAllocName[LSB] | XftDrawString32[LSB] | XftInitFtLibrary[LSB] |
| XftColorAllocValue[LSB] | XftDrawString8[LSB] | XftListFonts[LSB] |
| XftColorFree[LSB] | XftDrawStringUtf16[LSB] | XftLockFace[LSB] |
| XftDefaultHasRender[LSB] | XftDrawStringUtf8[LSB] | XftNameParse[LSB] |
| XftDefaultSet[LSB] | XftDrawVisual[LSB] | XftTextExtents16[LSB] |
| XftDefaultSubstitute[LSB] | XftFontCheckGlyph[LSB] | XftTextExtents32[LSB] |
| XftDrawChange[LSB] | XftFontClose[LSB] | XftTextExtents8[LSB] |
| XftDrawCharFontSpec[LSB] | XftFontCopy[LSB] | XftTextExtentsUtf16[LSB] |
| XftDrawCharSpec[LSB] | XftFontInfoCreate[LSB] | XftTextExtentsUtf8[LSB] |
| XftDrawColormap[LSB] | XftFontInfoDestroy[LSB] | XftTextRender16[LSB] |
| XftDrawCreate[LSB] | XftFontInfoEqual[LSB] | XftTextRender16BE[LSB] |

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| | | |
|---|---|---|
| XftDrawCreateAlpha[LSB] | XftFontInfoHash[LSB] | XftTextRender16LE[LSB] |
| XftDrawCreateBitmap[LSB] | XftFontLoadGlyphs[LSB] | XftTextRender32[LSB] |
| XftDrawDestroy[LSB] | XftFontMatch[LSB] | XftTextRender32BE[LSB] |
| XftDrawDisplay[LSB] | XftFontOpen[LSB] | XftTextRender32LE[LSB] |
| XftDrawDrawable[LSB] | XftFontOpenInfo[LSB] | XftTextRender8[LSB] |
| XftDrawGlyphFontSpec[LSB] | XftFontOpenName[LSB] | XftTextRenderUtf16[LSB] |
| XftDrawGlyphSpec[LSB] | XftFontOpenPattern[LSB] | XftTextRenderUtf8[LSB] |
| XftDrawGlyphs[LSB] | XftFontOpenXlfd[LSB] | XftUnlockFace[LSB] |
| XftDrawPicture[LSB] | XftFontUnloadGlyphs[LSB] | XftXlfdParse[LSB] |
| XftDrawRect[LSB] | XftGetVersion[LSB] | |
| XftDrawSetClip[LSB] | XftGlyphExtents[LSB] | |

## A.8 libXi

The behavior of the interfaces in this library is specified by the following Standards.

X11 Input Library [XINPUT]

**Table A-8 libXi Function Interfaces**

| | | |
|---|---|---|
| XAllowDeviceEvents[XINPUT] | XGetDeviceButtonMapping[XINPUT] | XOpenDevice[XINPUT] |
| XChangeDeviceControl[XINPUT] | XGetDeviceControl[XINPUT] | XQueryDeviceState[XINPUT] |
| XChangeDeviceDontPropagateList[XINPUT] | XGetDeviceDontPropagateList[XINPUT] | XSelectExtensionEvent[XINPUT] |
| XChangeDeviceKeyMapping[XINPUT] | XGetDeviceFocus[XINPUT] | XSendExtensionEvent[XINPUT] |
| XChangeFeedbackControl[XINPUT] | XGetDeviceKeyMapping[XINPUT] | XSetDeviceButtonMapping[XINPUT] |
| XChangeKeyboardDevice[XINPUT] | XGetDeviceModifierMapping[XINPUT] | XSetDeviceFocus[XINPUT] |
| XChangePointerDevice[XINPUT] | XGetDeviceMotionEvents[XINPUT] | XSetDeviceMode[XINPUT] |
| XCloseDevice[XINPUT] | XGetExtensionVersion[XINPUT] | XSetDeviceModifierMapping[XINPUT] |

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| | | |
|---|---|---|
| XDeviceBell[XINPUT] | XGetFeedbackControl[XINPUT] | XSetDeviceValuators[XINPUT] |
| XFreeDeviceControl[XINPUT] | XGetSelectedExtensionEvents[XINPUT] | XUngrabDevice[XINPUT] |
| XFreeDeviceList[XINPUT] | XGrabDevice[XINPUT] | XUngrabDeviceButton[XINPUT] |
| XFreeDeviceMotionEvents[XINPUT] | XGrabDeviceButton[XINPUT] | XUngrabDeviceKey[XINPUT] |
| XFreeDeviceState[XINPUT] | XGrabDeviceKey[XINPUT] | |
| XFreeFeedbackList[XINPUT] | XListInputDevices[XINPUT] | |

## A.9 libXrender

The behavior of the interfaces in this library is specified by the following Standards.

This Specification [LSB]

**Table A-9 libXrender Function Interfaces**

| | | |
|---|---|---|
| XRenderAddGlyphs[LSB] | XRenderCreateAnimCursor[LSB] | XRenderFreePicture[LSB] |
| XRenderAddTraps[LSB] | XRenderCreateConicalGradient[LSB] | XRenderParseColor[LSB] |
| XRenderChangePicture[LSB] | XRenderCreateCursor[LSB] | XRenderQueryExtension[LSB] |
| XRenderComposite[LSB] | XRenderCreateGlyphSet[LSB] | XRenderQueryFilters[LSB] |
| XRenderCompositeDoublePoly[LSB] | XRenderCreateLinearGradient[LSB] | XRenderQueryFormats[LSB] |
| XRenderCompositeString16[LSB] | XRenderCreatePicture[LSB] | XRenderQueryPictIndexValues[LSB] |
| XRenderCompositeString32[LSB] | XRenderCreateRadialGradient[LSB] | XRenderQuerySubpixelOrder[LSB] |
| XRenderCompositeString8[LSB] | XRenderCreateSolidFill[LSB] | XRenderQueryVersion[LSB] |
| XRenderCompositeText16[LSB] | XRenderFillRectangle[LSB] | XRenderReferenceGlyphSet[LSB] |
| XRenderCompositeText32[LSB] | XRenderFillRectangles[LSB] | XRenderSetPictureClipRectangles[LSB] |
| XRenderCompositeText8[LSB] | XRenderFindFormat[LSB] | XRenderSetPictureClipRegion[LSB] |
| XRenderCompositeTrapezoids[LSB] | XRenderFindStandardFormat[LSB] | XRenderSetPictureFilter[LSB] |


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| | | |
|---|---|---|
| XRenderCompositeTriFan[LSB] | XRenderFindVisualFormat[LSB] | XRenderSetPictureTransform[LSB] |
| XRenderCompositeTriStrip[LSB] | XRenderFreeGlyphSet[LSB] | XRenderSetSubpixelOrder[LSB] |
| XRenderCompositeTriangles[LSB] | XRenderFreeGlyphs[LSB] | |

## A.10 libXt

The behavior of the interfaces in this library is specified by the following Standards.

This Specification [LSB]
X11 Toolkit Intrinsics [Xt]

**Table A-10 libXt Function Interfaces**

| | | |
|---|---|---|
| XtAddActions[Xt] | XtCvtStringToInitialState[Xt] | XtOwnSelectionIncremental[Xt] |
| XtAddCallback[Xt] | XtCvtStringToInt[Xt] | XtParent[Xt] |
| XtAddCallbacks[Xt] | XtCvtStringToPixel[Xt] | XtParseAcceleratorTable[Xt] |
| XtAddConverter[Xt] | XtCvtStringToRestartStyle[Xt] | XtParseTranslationTable[Xt] |
| XtAddEventHandler[Xt] | XtCvtStringToShort[Xt] | XtPeekEvent[Xt] |
| XtAddExposureToRegion[Xt] | XtCvtStringToTranslationTable[Xt] | XtPending[Xt] |
| XtAddGrab[Xt] | XtCvtStringToUnsignedChar[Xt] | XtPopdown[Xt] |
| XtAddInput[Xt] | XtCvtStringToVisual[Xt] | XtPopup[Xt] |
| XtAddRawEventHandler[Xt] | XtDatabase[Xt] | XtPopupSpringLoaded[Xt] |
| XtAddSignal[Xt] | XtDestroyApplicationContext[Xt] | XtProcessEvent[Xt] |
| XtAddTimeOut[Xt] | XtDestroyGC[Xt] | XtProcessLock[Xt] |
| XtAddWorkProc[Xt] | XtDestroyWidget[Xt] | XtProcessUnlock[Xt] |
| XtAllocateGC[Xt] | XtDirectConvert[Xt] | XtQueryGeometry[Xt] |
| XtAppAddActionHook[Xt] | XtDisownSelection[Xt] | XtRealizeWidget[Xt] |
| XtAppAddActions[Xt] | XtDispatchEvent[Xt] | XtRealloc[Xt] |
| XtAppAddBlockHook[Xt] | XtDispatchEventToWidget[Xt] | XtRegisterCaseConverter[Xt] |

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| | | |
|---|---|---|
| XtAppAddConverter[Xt] | XtDisplay[Xt] | XtRegisterDrawable[Xt] |
| XtAppAddInput[Xt] | XtDisplayInitialize[Xt] | XtRegisterExtensionSelector[Xt] |
| XtAppAddSignal[Xt] | XtDisplayOfObject[Xt] | XtRegisterGrabAction[Xt] |
| XtAppAddTimeOut[Xt] | XtDisplayStringConversionWarning[Xt] | XtReleaseGC[Xt] |
| XtAppAddWorkProc[Xt] | XtDisplayToApplicationContext[Xt] | XtReleasePropertyAtom[Xt] |
| XtAppCreateShell[Xt] | XtError[Xt] | XtRemoveActionHook[Xt] |
| XtAppError[Xt] | XtErrorMsg[Xt] | XtRemoveAllCallbacks[Xt] |
| XtAppErrorMsg[Xt] | XtFindFile[Xt] | XtRemoveBlockHook[Xt] |
| XtAppGetErrorDatabase[Xt] | XtFree[Xt] | XtRemoveCallback[Xt] |
| XtAppGetErrorDatabaseText[Xt] | XtGetActionKeysym[Xt] | XtRemoveCallbacks[Xt] |
| XtAppGetExitFlag[Xt] | XtGetActionList[Xt] | XtRemoveEventHandler[Xt] |
| XtAppGetSelectionTimeout[Xt] | XtGetApplicationNameAndClass[Xt] | XtRemoveEventTypeHandler[Xt] |
| XtAppInitialize[Xt] | XtGetApplicationResources[Xt] | XtRemoveGrab[Xt] |
| XtAppLock[Xt] | XtGetClassExtension[Xt] | XtRemoveInput[Xt] |
| XtAppMainLoop[Xt] | XtGetConstraintResourceList[Xt] | XtRemoveRawEventHandler[Xt] |
| XtAppNextEvent[Xt] | XtGetDisplays[Xt] | XtRemoveSignal[Xt] |
| XtAppPeekEvent[Xt] | XtGetErrorDatabase[Xt] | XtRemoveTimeOut[Xt] |
| XtAppPending[Xt] | XtGetErrorDatabaseText[Xt] | XtRemoveWorkProc[Xt] |
| XtAppProcessEvent[Xt] | XtGetGC[Xt] | XtReservePropertyAtom[Xt] |
| XtAppReleaseCacheRefs[Xt] | XtGetKeyboardFocusWidget[Xt] | XtResizeWidget[Xt] |
| XtAppSetErrorHandler[Xt] | XtGetKeysymTable[Xt] | XtResizeWindow[Xt] |
| XtAppSetErrorMsgHandler[Xt] | XtGetMultiClickTime[Xt] | XtResolvePathname[Xt] |


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| | | |
|---|---|---|
| XtAppSetExitFlag[Xt] | XtGetResourceList[Xt] | XtScreen[Xt] |
| XtAppSetFallbackResources[Xt] | XtGetSelectionParameters[Xt] | XtScreenDatabase[Xt] |
| XtAppSetSelectionTimeout[Xt] | XtGetSelectionRequest[Xt] | XtScreenOfObject[Xt] |
| XtAppSetTypeConverter[Xt] | XtGetSelectionTimeout[Xt] | XtSendSelectionRequest[Xt] |
| XtAppSetWarningHandler[Xt] | XtGetSelectionValue[Xt] | XtSessionGetToken[Xt] |
| XtAppSetWarningMsgHandler[Xt] | XtGetSelectionValueIncremental[Xt] | XtSessionReturnToken[Xt] |
| XtAppUnlock[Xt] | XtGetSelectionValues[Xt] | XtSetErrorHandler[Xt] |
| XtAppWarning[Xt] | XtGetSelectionValuesIncremental[Xt] | XtSetErrorMsgHandler[Xt] |
| XtAppWarningMsg[Xt] | XtGetSubresources[Xt] | XtSetEventDispatcher[Xt] |
| XtAugmentTranslations[Xt] | XtGetSubvalues[Xt] | XtSetKeyTranslator[Xt] |
| XtBuildEventMask[Xt] | XtGetValues[Xt] | XtSetKeyboardFocus[Xt] |
| XtCallAcceptFocus[Xt] | XtGrabButton[Xt] | XtSetLanguageProc[Xt] |
| XtCallActionProc[Xt] | XtGrabKey[Xt] | XtSetMappedWhenManaged[Xt] |
| XtCallCallbackList[Xt] | XtGrabKeyboard[Xt] | XtSetMultiClickTime[Xt] |
| XtCallCallbacks[Xt] | XtGrabPointer[Xt] | XtSetSelectionParameters[Xt] |
| XtCallConverter[Xt] | XtHasCallbacks[Xt] | XtSetSelectionTimeout[Xt] |
| XtCallbackExclusive[Xt] | XtHooksOfDisplay[Xt] | XtSetSensitive[Xt] |
| XtCallbackNone[Xt] | XtInitialize[Xt] | XtSetSubvalues[Xt] |
| XtCallbackNonexclusive[Xt] | XtInitializeWidgetClass[Xt] | XtSetTypeConverter[Xt] |
| XtCallbackPopdown[Xt] | XtInsertEventHandler[Xt] | XtSetValues[Xt] |
| XtCallbackReleaseCacheRef[Xt] | XtInsertEventTypeHandler[Xt] | XtSetWMColormapWindows[Xt] |
| XtCallbackReleaseCacheRefList[Xt] | XtInsertRawEventHandler[Xt] | XtSetWarningHandler[Xt] |

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| | | |
|---|---|---|
| XtCalloc[Xt] | XtInstallAccelerators[Xt] | XtSetWarningMsgHandler[Xt] |
| XtCancelSelectionRequest[Xt] | XtInstallAllAccelerators[Xt] | XtStringConversionWarning[Xt] |
| XtChangeManagedSet[Xt] | XtIsApplicationShell[Xt] | XtSuperclass[Xt] |
| XtClass[Xt] | XtIsComposite[Xt] | XtToolkitInitialize[Xt] |
| XtCloseDisplay[Xt] | XtIsConstraint[Xt] | XtToolkitThreadInitialize[Xt] |
| XtConfigureWidget[Xt] | XtIsManaged[Xt] | XtTranslateCoords[Xt] |
| XtConvert[Xt] | XtIsObject[Xt] | XtTranslateKey[Xt] |
| XtConvertAndStore[Xt] | XtIsOverrideShell[Xt] | XtTranslateKeycode[Xt] |
| XtConvertCase[Xt] | XtIsRealized[Xt] | XtUngrabButton[Xt] |
| XtCreateApplicationContext[Xt] | XtIsRectObj[Xt] | XtUngrabKey[Xt] |
| XtCreateApplicationShell[Xt] | XtIsSensitive[Xt] | XtUngrabKeyboard[Xt] |
| XtCreateManagedWidget[Xt] | XtIsSessionShell[Xt] | XtUngrabPointer[Xt] |
| XtCreatePopupShell[Xt] | XtIsShell[Xt] | XtUninstallTranslations[Xt] |
| XtCreateSelectionRequest[Xt] | XtIsSubclass[Xt] | XtUnmanageChild[Xt] |
| XtCreateWidget[Xt] | XtIsTopLevelShell[Xt] | XtUnmanageChildren[Xt] |
| XtCreateWindow[Xt] | XtIsTransientShell[Xt] | XtUnmapWidget[Xt] |
| XtCvtColorToPixel[Xt] | XtIsVendorShell[Xt] | XtUnrealizeWidget[Xt] |
| XtCvtIntToBool[Xt] | XtIsWMShell[Xt] | XtUnregisterDrawable[Xt] |
| XtCvtIntToBoolean[Xt] | XtIsWidget[Xt] | XtVaAppCreateShell[Xt] |
| XtCvtIntToColor[Xt] | XtKeysymToKeycodeList[Xt] | XtVaAppInitialize[Xt] |
| XtCvtIntToFloat[Xt] | XtLastEventProcessed[Xt] | XtVaCreateArgsList[Xt] |
| XtCvtIntToFont[Xt] | XtLastTimestampProcessed[Xt] | XtVaCreateManagedWidget[Xt] |
| XtCvtIntToPixel[Xt] | XtMainLoop[Xt] | XtVaCreatePopupShell[Xt] |
| XtCvtIntToPixmap[Xt] | XtMakeGeometryRequest[Xt] | XtVaCreateWidget[Xt] |

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| | | |
|---|---|---|
| XtCvtIntToShort[Xt] | XtMakeResizeRequest[Xt] | XtVaGetApplicationResources[Xt] |
| XtCvtIntToUnsignedChar[Xt] | XtMalloc[Xt] | XtVaGetSubresources[Xt] |
| XtCvtStringToAcceleratorTable[Xt] | XtManageChild[Xt] | XtVaGetSubvalues[Xt] |
| XtCvtStringToAtom[Xt] | XtManageChildren[Xt] | XtVaGetValues[Xt] |
| XtCvtStringToBool[Xt] | XtMapWidget[Xt] | XtVaOpenApplication[Xt] |
| XtCvtStringToBoolean[Xt] | XtMenuPopupAction[Xt] | XtVaSetSubvalues[Xt] |
| XtCvtStringToCommandArgArray[Xt] | XtMergeArgLists[Xt] | XtVaSetValues[Xt] |
| XtCvtStringToCursor[Xt] | XtMoveWidget[Xt] | XtWarning[Xt] |
| XtCvtStringToDimension[Xt] | XtName[Xt] | XtWarningMsg[Xt] |
| XtCvtStringToDirectoryString[Xt] | XtNameToWidget[Xt] | XtWidgetToApplicationContext[Xt] |
| XtCvtStringToDisplay[Xt] | XtNewString[Xt] | XtWindow[Xt] |
| XtCvtStringToFile[Xt] | XtNextEvent[Xt] | XtWindowOfObject[Xt] |
| XtCvtStringToFloat[Xt] | XtNoticeSignal[Xt] | XtWindowToWidget[Xt] |
| XtCvtStringToFont[Xt] | XtOpenApplication[Xt] | _XtCheckSubclassFlag[Xt] |
| XtCvtStringToFontSet[Xt] | XtOpenDisplay[Xt] | _XtCopyFromArg[LSB] |
| XtCvtStringToFontStruct[Xt] | XtOverrideTranslations[Xt] | _XtInherit[LSB] |
| XtCvtStringToGravity[Xt] | XtOwnSelection[Xt] | _XtIsSubclassOf[LSB] |

**Table A-11 libXt Data Interfaces**

| | | |
|---|---|---|
| XtCXtToolkitError[Xt] | constraintWidgetClass[Xt] | shellWidgetClass[Xt] |
| XtShellStrings[Xt] | coreWidgetClass[Xt] | topLevelShellClassRec[Xt] |
| XtStrings[Xt] | objectClass[Xt] | topLevelShellWidgetClass[Xt] |
| _XtInheritTranslations[LSB] | objectClassRec[Xt] | transientShellClassRec[Xt] |

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| | | |
|---|---|---|
| applicationShellClassRec[Xt] | overrideShellClassRec[Xt] | transientShellWidgetClass[Xt] |
| applicationShellWidgetClass[Xt] | overrideShellWidgetClass[Xt] | widgetClass[Xt] |
| colorConvertArgs[Xt] | rectObjClass[Xt] | widgetClassRec[Xt] |
| compositeClassRec[Xt] | rectObjClassRec[Xt] | wmShellClassRec[Xt] |
| compositeWidgetClass[Xt] | sessionShellClassRec[Xt] | wmShellWidgetClass[Xt] |
| constraintClassRec[Xt] | sessionShellWidgetClass[Xt] | |

## A.11 libXtst

The behavior of the interfaces in this library is specified by the following Standards.

XTEST Extension Library [X-test]

**Table A-12 libXtst Function Interfaces**

| | | |
|---|---|---|
| XTestCompareCurrentCursorWithWindow[X-test] | XTestFakeDeviceKeyEvent[X-test] | XTestFakeRelativeMotionEvent[X-test] |
| XTestCompareCursorWithWindow[X-test] | XTestFakeDeviceMotionEvent[X-test] | XTestGrabControl[X-test] |
| XTestDiscard[X-test] | XTestFakeKeyEvent[X-test] | XTestQueryExtension[X-test] |
| XTestFakeButtonEvent[X-test] | XTestFakeMotionEvent[X-test] | XTestSetGContextOfGC[X-test] |
| XTestFakeDeviceButtonEvent[X-test] | XTestFakeProximityEvent[X-test] | XTestSetVisualIDOfVisual[X-test] |

## A.12 libcairo

The behavior of the interfaces in this library is specified by the following Standards.

Cairo API Reference [Cairo 1.12.4]
This Specification [LSB]

**Table A-13 libcairo Function Interfaces**

| | | |
|---|---|---|
| cairo_append_path[Cairo 1.12.4] | cairo_mesh_pattern_get_corner_color_rgba[Cairo 1.12.4] | cairo_script_set_mode[Cairo 1.12.4] |
| cairo_arc[Cairo 1.12.4] | cairo_mesh_pattern_get_patch_count[Cairo 1.12.4] | cairo_script_surface_create[Cairo 1.12.4] |


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| | | |
|---|---|---|
| cairo_arc_negative[Cairo 1.12.4] | cairo_mesh_pattern_get_path[Cairo 1.12.4] | cairo_script_surface_create_for_target[Cairo 1.12.4] |
| cairo_clip[Cairo 1.12.4] | cairo_mesh_pattern_line_to[Cairo 1.12.4] | cairo_script_write_comment[Cairo 1.12.4] |
| cairo_clip_preserve[Cairo 1.12.4] | cairo_mesh_pattern_move_to[Cairo 1.12.4] | cairo_select_font_face[Cairo 1.12.4] |
| cairo_close_path[Cairo 1.12.4] | cairo_mesh_pattern_set_control_point[Cairo 1.12.4] | cairo_set_antialias[Cairo 1.12.4] |
| cairo_copy_page[Cairo 1.12.4] | cairo_mesh_pattern_set_corner_color_rgb[Cairo 1.12.4] | cairo_set_dash[Cairo 1.12.4] |
| cairo_copy_path[Cairo 1.12.4] | cairo_mesh_pattern_set_corner_color_rgba[Cairo 1.12.4] | cairo_set_fill_rule[Cairo 1.12.4] |
| cairo_copy_path_flat[Cairo 1.12.4] | cairo_move_to[Cairo 1.12.4] | cairo_set_font_face[Cairo 1.12.4] |
| cairo_create[Cairo 1.12.4] | cairo_new_path[Cairo 1.12.4] | cairo_set_font_matrix[Cairo 1.12.4] |
| cairo_curve_to[Cairo 1.12.4] | cairo_new_sub_path[Cairo 1.12.4] | cairo_set_font_options[Cairo 1.12.4] |
| cairo_destroy[Cairo 1.12.4] | cairo_paint[Cairo 1.12.4] | cairo_set_font_size[Cairo 1.12.4] |
| cairo_device_acquire[Cairo 1.12.4] | cairo_paint_with_alpha[Cairo 1.12.4] | cairo_set_line_cap[Cairo 1.12.4] |
| cairo_device_destroy[Cairo 1.12.4] | cairo_path_destroy[Cairo 1.12.4] | cairo_set_line_join[Cairo 1.12.4] |
| cairo_device_finish[Cairo 1.12.4] | cairo_path_extents[Cairo 1.12.4] | cairo_set_line_width[Cairo 1.12.4] |
| cairo_device_flush[Cairo 1.12.4] | cairo_pattern_add_color_stop_rgb[Cairo 1.12.4] | cairo_set_matrix[Cairo 1.12.4] |
| cairo_device_get_reference_count[Cairo 1.12.4] | cairo_pattern_add_color_stop_rgba[Cairo 1.12.4] | cairo_set_miter_limit[Cairo 1.12.4] |
| cairo_device_get_type[Cairo 1.12.4] | cairo_pattern_create_for_surface[Cairo 1.12.4] | cairo_set_operator[Cairo 1.12.4] |
| cairo_device_get_user_data[Cairo 1.12.4] | cairo_pattern_create_linear[Cairo 1.12.4] | cairo_set_scaled_font[Cairo 1.12.4] |
| cairo_device_observer_elapsed[LSB] | cairo_pattern_create_mesh[Cairo 1.12.4] | cairo_set_source[Cairo 1.12.4] |
| cairo_device_observer_fill_elapsed[LSB] | cairo_pattern_create_radial[Cairo 1.12.4] | cairo_set_source_rgb[Cairo 1.12.4] |

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| | | |
|---|---|---|
| cairo_device_observer_glyphs_elapsed[LSB] | cairo_pattern_create_raster_source[Cairo 1.12.4] | cairo_set_source_rgba[Cairo 1.12.4] |
| cairo_device_observer_mask_elapsed[LSB] | cairo_pattern_create_rgb[Cairo 1.12.4] | cairo_set_source_surface[Cairo 1.12.4] |
| cairo_device_observer_paint_elapsed[LSB] | cairo_pattern_create_rgba[Cairo 1.12.4] | cairo_set_tolerance[Cairo 1.12.4] |
| cairo_device_observer_print[LSB] | cairo_pattern_destroy[Cairo 1.12.4] | cairo_show_glyphs[Cairo 1.12.4] |
| cairo_device_observer_stroke_elapsed[LSB] | cairo_pattern_get_extend[Cairo 1.12.4] | cairo_show_page[Cairo 1.12.4] |
| cairo_device_reference[Cairo 1.12.4] | cairo_pattern_get_filter[Cairo 1.12.4] | cairo_show_text[Cairo 1.12.4] |
| cairo_device_release[Cairo 1.12.4] | cairo_pattern_get_matrix[Cairo 1.12.4] | cairo_show_text_glyphs[Cairo 1.12.4] |
| cairo_device_set_user_data[Cairo 1.12.4] | cairo_pattern_get_type[Cairo 1.12.4] | cairo_status[Cairo 1.12.4] |
| cairo_device_status[Cairo 1.12.4] | cairo_pattern_reference[Cairo 1.12.4] | cairo_status_to_string[Cairo 1.12.4] |
| cairo_device_to_user[Cairo 1.12.4] | cairo_pattern_set_extend[Cairo 1.12.4] | cairo_stroke[Cairo 1.12.4] |
| cairo_device_to_user_distance[Cairo 1.12.4] | cairo_pattern_set_filter[Cairo 1.12.4] | cairo_stroke_extents[Cairo 1.12.4] |
| cairo_fill[Cairo 1.12.4] | cairo_pattern_set_matrix[Cairo 1.12.4] | cairo_stroke_preserve[Cairo 1.12.4] |
| cairo_fill_extents[Cairo 1.12.4] | cairo_pattern_status[Cairo 1.12.4] | cairo_surface_copy_page[Cairo 1.12.4] |
| cairo_fill_preserve[Cairo 1.12.4] | cairo_pdf_get_versions[Cairo 1.12.4] | cairo_surface_create_for_rectangle[Cairo 1.12.4] |
| cairo_font_extents[Cairo 1.12.4] | cairo_pdf_surface_create[Cairo 1.12.4] | cairo_surface_create_observer[LSB] |
| cairo_font_face_destroy[Cairo 1.12.4] | cairo_pdf_surface_create_for_stream[Cairo 1.12.4] | cairo_surface_create_similar[Cairo 1.12.4] |
| cairo_font_face_get_type[Cairo 1.12.4] | cairo_pdf_surface_restrict_to_version[Cairo 1.12.4] | cairo_surface_create_similar_image[Cairo 1.12.4] |
| cairo_font_face_get_user_data[Cairo 1.12.4] | cairo_pdf_surface_set_size[Cairo 1.12.4] | cairo_surface_destroy[Cairo 1.12.4] |
| cairo_font_face_reference[Cairo 1.12.4] | cairo_pdf_version_to_string[Cairo 1.12.4] | cairo_surface_finish[Cairo 1.12.4] |


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| | | |
|---|---|---|
| cairo_font_face_set_user_data[Cairo 1.12.4] | cairo_pop_group[Cairo 1.12.4] | cairo_surface_flush[Cairo 1.12.4] |
| cairo_font_face_status[Cairo 1.12.4] | cairo_pop_group_to_source[Cairo 1.12.4] | cairo_surface_get_content[Cairo 1.12.4] |
| cairo_font_options_copy[Cairo 1.12.4] | cairo_ps_get_levels[Cairo 1.12.4] | cairo_surface_get_device[Cairo 1.12.4] |
| cairo_font_options_create[Cairo 1.12.4] | cairo_ps_level_to_string[Cairo 1.12.4] | cairo_surface_get_device_offset[Cairo 1.12.4] |
| cairo_font_options_destroy[Cairo 1.12.4] | cairo_ps_surface_create[Cairo 1.12.4] | cairo_surface_get_fallback_resolution[Cairo 1.12.4] |
| cairo_font_options_equal[Cairo 1.12.4] | cairo_ps_surface_create_for_stream[Cairo 1.12.4] | cairo_surface_get_font_options[Cairo 1.12.4] |
| cairo_font_options_get_antialias[Cairo 1.12.4] | cairo_ps_surface_dsc_begin_page_setup[Cairo 1.12.4] | cairo_surface_get_mime_data[Cairo 1.12.4] |
| cairo_font_options_get_hint_metrics[Cairo 1.12.4] | cairo_ps_surface_dsc_begin_setup[Cairo 1.12.4] | cairo_surface_get_type[Cairo 1.12.4] |
| cairo_font_options_get_hint_style[Cairo 1.12.4] | cairo_ps_surface_dsc_comment[Cairo 1.12.4] | cairo_surface_get_user_data[Cairo 1.12.4] |
| cairo_font_options_get_subpixel_order[Cairo 1.12.4] | cairo_ps_surface_get_eps[Cairo 1.12.4] | cairo_surface_has_show_text_glyphs[Cairo 1.12.4] |
| cairo_font_options_hash[Cairo 1.12.4] | cairo_ps_surface_restrict_to_level[Cairo 1.12.4] | cairo_surface_map_to_image[Cairo 1.12.4] |
| cairo_font_options_merge[Cairo 1.12.4] | cairo_ps_surface_set_eps[Cairo 1.12.4] | cairo_surface_mark_dirty[Cairo 1.12.4] |
| cairo_font_options_set_antialias[Cairo 1.12.4] | cairo_ps_surface_set_size[Cairo 1.12.4] | cairo_surface_mark_dirty_rectangle[Cairo 1.12.4] |
| cairo_font_options_set_hint_metrics[Cairo 1.12.4] | cairo_push_group[Cairo 1.12.4] | cairo_surface_observer_add_fill_callback[LSB] |
| cairo_font_options_set_hint_style[Cairo 1.12.4] | cairo_push_group_with_content[Cairo 1.12.4] | cairo_surface_observer_add_finish_callback[LSB] |
| cairo_font_options_set_subpixel_order[Cairo 1.12.4] | cairo_raster_source_pattern_get_acquire[Cairo 1.12.4] | cairo_surface_observer_add_flush_callback[LSB] |
| cairo_font_options_status[Cairo 1.12.4] | cairo_raster_source_pattern_get_callback_data[Cairo 1.12.4] | cairo_surface_observer_add_glyphs_callback[LSB] |

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| | | |
|---|---|---|
| cairo_format_stride_for_width[Cairo 1.12.4] | cairo_raster_source_pattern_get_copy[Cairo 1.12.4] | cairo_surface_observer_add_mask_callback[LSB] |
| cairo_ft_font_face_create_for_ft_face[Cairo 1.12.4] | cairo_raster_source_pattern_get_finish[Cairo 1.12.4] | cairo_surface_observer_add_paint_callback[LSB] |
| cairo_ft_font_face_create_for_pattern[Cairo 1.12.4] | cairo_raster_source_pattern_get_snapshot[Cairo 1.12.4] | cairo_surface_observer_add_stroke_callback[LSB] |
| cairo_ft_font_face_get_synthesize[Cairo 1.12.4] | cairo_raster_source_pattern_set_acquire[Cairo 1.12.4] | cairo_surface_observer_elapsed[LSB] |
| cairo_ft_font_face_set_synthesize[Cairo 1.12.4] | cairo_raster_source_pattern_set_callback_data[Cairo 1.12.4] | cairo_surface_observer_print[LSB] |
| cairo_ft_font_face_unset_synthesize[Cairo 1.12.4] | cairo_raster_source_pattern_set_copy[Cairo 1.12.4] | cairo_surface_reference[Cairo 1.12.4] |
| cairo_ft_font_options_substitute[Cairo 1.12.4] | cairo_raster_source_pattern_set_finish[Cairo 1.12.4] | cairo_surface_set_device_offset[Cairo 1.12.4] |
| cairo_ft_scaled_font_lock_face[Cairo 1.12.4] | cairo_raster_source_pattern_set_snapshot[Cairo 1.12.4] | cairo_surface_set_fallback_resolution[Cairo 1.12.4] |
| cairo_ft_scaled_font_unlock_face[Cairo 1.12.4] | cairo_recording_surface_create[Cairo 1.12.4] | cairo_surface_set_mime_data[Cairo 1.12.4] |
| cairo_get_antialias[Cairo 1.12.4] | cairo_recording_surface_get_extents[Cairo 1.12.4] | cairo_surface_set_user_data[Cairo 1.12.4] |
| cairo_get_current_point[Cairo 1.12.4] | cairo_recording_surface_ink_extents[Cairo 1.12.4] | cairo_surface_show_page[Cairo 1.12.4] |
| cairo_get_fill_rule[Cairo 1.12.4] | cairo_rectangle[Cairo 1.12.4] | cairo_surface_status[Cairo 1.12.4] |
| cairo_get_font_face[Cairo 1.12.4] | cairo_reference[Cairo 1.12.4] | cairo_surface_supports_mime_type[Cairo 1.12.4] |
| cairo_get_font_matrix[Cairo 1.12.4] | cairo_region_contains_point[Cairo 1.12.4] | cairo_surface_unmap_image[Cairo 1.12.4] |
| cairo_get_font_options[Cairo 1.12.4] | cairo_region_contains_rectangle[Cairo 1.12.4] | cairo_surface_write_to_png[Cairo 1.12.4] |
| cairo_get_group_target[Cairo 1.12.4] | cairo_region_copy[Cairo 1.12.4] | cairo_surface_write_to_png_stream[Cairo 1.12.4] |


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| | | |
|---|---|---|
| cairo_get_line_cap[Cairo 1.12.4] | cairo_region_create[Cairo 1.12.4] | cairo_svg_get_versions[Cairo 1.12.4] |
| cairo_get_line_join[Cairo 1.12.4] | cairo_region_create_rectangle[Cairo 1.12.4] | cairo_svg_surface_create[Cairo 1.12.4] |
| cairo_get_line_width[Cairo 1.12.4] | cairo_region_create_rectangles[Cairo 1.12.4] | cairo_svg_surface_create_for_stream[Cairo 1.12.4] |
| cairo_get_matrix[Cairo 1.12.4] | cairo_region_destroy[Cairo 1.12.4] | cairo_svg_surface_restrict_to_version[Cairo 1.12.4] |
| cairo_get_miter_limit[Cairo 1.12.4] | cairo_region_equal[Cairo 1.12.4] | cairo_svg_version_to_string[Cairo 1.12.4] |
| cairo_get_operator[Cairo 1.12.4] | cairo_region_get_extents[Cairo 1.12.4] | cairo_text_cluster_allocate[Cairo 1.12.4] |
| cairo_get_source[Cairo 1.12.4] | cairo_region_get_rectangle[Cairo 1.12.4] | cairo_text_cluster_free[Cairo 1.12.4] |
| cairo_get_target[Cairo 1.12.4] | cairo_region_intersect[Cairo 1.12.4] | cairo_text_extents[Cairo 1.12.4] |
| cairo_get_tolerance[Cairo 1.12.4] | cairo_region_intersect_rectangle[Cairo 1.12.4] | cairo_text_path[Cairo 1.12.4] |
| cairo_glyph_allocate[Cairo 1.12.4] | cairo_region_is_empty[Cairo 1.12.4] | cairo_toy_font_face_create[Cairo 1.12.4] |
| cairo_glyph_extents[Cairo 1.12.4] | cairo_region_num_rectangles[Cairo 1.12.4] | cairo_toy_font_face_get_family[Cairo 1.12.4] |
| cairo_glyph_free[Cairo 1.12.4] | cairo_region_reference[Cairo 1.12.4] | cairo_toy_font_face_get_slant[Cairo 1.12.4] |
| cairo_glyph_path[Cairo 1.12.4] | cairo_region_status[Cairo 1.12.4] | cairo_toy_font_face_get_weight[Cairo 1.12.4] |
| cairo_has_current_point[Cairo 1.12.4] | cairo_region_subtract[Cairo 1.12.4] | cairo_transform[Cairo 1.12.4] |
| cairo_identity_matrix[Cairo 1.12.4] | cairo_region_subtract_rectangle[Cairo 1.12.4] | cairo_translate[Cairo 1.12.4] |
| cairo_image_surface_create[Cairo 1.12.4] | cairo_region_translate[Cairo 1.12.4] | cairo_user_font_face_create[Cairo 1.12.4] |
| cairo_image_surface_create_for_data[Cairo 1.12.4] | cairo_region_union[Cairo 1.12.4] | cairo_user_font_face_get_init_func[Cairo 1.12.4] |
| cairo_image_surface_create_from_png[Cairo 1.12.4] | cairo_region_union_rectangle[Cairo 1.12.4] | cairo_user_font_face_get_render_glyph_func[Cairo 1.12.4] |
| cairo_image_surface_create_from_png_stream[Cairo 1.12.4] | cairo_region_xor[Cairo 1.12.4] | cairo_user_font_face_get_text_to_glyphs_func[Cairo 1.12.4] |

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| | | |
|---|---|---|
| cairo_image_surface_get_data[Cairo 1.12.4] | cairo_region_xor_rectangle[Cairo 1.12.4] | cairo_user_font_face_get_unicode_to_glyph_func[Cairo 1.12.4] |
| cairo_image_surface_get_format[Cairo 1.12.4] | cairo_rel_curve_to[Cairo 1.12.4] | cairo_user_font_face_set_init_func[Cairo 1.12.4] |
| cairo_image_surface_get_height[Cairo 1.12.4] | cairo_rel_line_to[Cairo 1.12.4] | cairo_user_font_face_set_render_glyph_func[Cairo 1.12.4] |
| cairo_image_surface_get_stride[Cairo 1.12.4] | cairo_rel_move_to[Cairo 1.12.4] | cairo_user_font_face_set_text_to_glyphs_func[Cairo 1.12.4] |
| cairo_image_surface_get_width[Cairo 1.12.4] | cairo_reset_clip[Cairo 1.12.4] | cairo_user_font_face_set_unicode_to_glyph_func[Cairo 1.12.4] |
| cairo_in_clip[Cairo 1.12.4] | cairo_restore[Cairo 1.12.4] | cairo_user_to_device[Cairo 1.12.4] |
| cairo_in_fill[Cairo 1.12.4] | cairo_rotate[Cairo 1.12.4] | cairo_user_to_device_distance[Cairo 1.12.4] |
| cairo_in_stroke[Cairo 1.12.4] | cairo_save[Cairo 1.12.4] | cairo_version[Cairo 1.12.4] |
| cairo_line_to[Cairo 1.12.4] | cairo_scale[Cairo 1.12.4] | cairo_version_string[Cairo 1.12.4] |
| cairo_mask[Cairo 1.12.4] | cairo_scaled_font_create[Cairo 1.12.4] | cairo_xcb_device_get_connection[Cairo 1.12.4] |
| cairo_mask_surface[Cairo 1.12.4] | cairo_scaled_font_destroy[Cairo 1.12.4] | cairo_xcb_surface_create[Cairo 1.12.4] |
| cairo_matrix_init[Cairo 1.12.4] | cairo_scaled_font_extents[Cairo 1.12.4] | cairo_xcb_surface_create_for_bitmap[Cairo 1.12.4] |
| cairo_matrix_init_identity[Cairo 1.12.4] | cairo_scaled_font_get_ctm[Cairo 1.12.4] | cairo_xcb_surface_set_drawable[Cairo 1.12.4] |
| cairo_matrix_init_rotate[Cairo 1.12.4] | cairo_scaled_font_get_font_face[Cairo 1.12.4] | cairo_xcb_surface_set_size[Cairo 1.12.4] |
| cairo_matrix_init_scale[Cairo 1.12.4] | cairo_scaled_font_get_font_matrix[Cairo 1.12.4] | cairo_xlib_surface_create[Cairo 1.12.4] |
| cairo_matrix_init_translate[Cairo 1.12.4] | cairo_scaled_font_get_font_options[Cairo 1.12.4] | cairo_xlib_surface_create_for_bitmap[Cairo 1.12.4] |
| cairo_matrix_invert[Cairo 1.12.4] | cairo_scaled_font_get_scale_matrix[Cairo 1.12.4] | cairo_xlib_surface_create_with_xrender_format[Cairo 1.12.4] |
| cairo_matrix_multiply[Cairo 1.12.4] | cairo_scaled_font_get_type[Cairo 1.12.4] | cairo_xlib_surface_get_depth[Cairo 1.12.4] |


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| | | |
|---|---|---|
| cairo_matrix_rotate[Cairo 1.12.4] | cairo_scaled_font_glyph_extents[Cairo 1.12.4] | cairo_xlib_surface_get_display[Cairo 1.12.4] |
| cairo_matrix_scale[Cairo 1.12.4] | cairo_scaled_font_reference[Cairo 1.12.4] | cairo_xlib_surface_get_drawable[Cairo 1.12.4] |
| cairo_matrix_transform_distance[Cairo 1.12.4] | cairo_scaled_font_status[Cairo 1.12.4] | cairo_xlib_surface_get_height[Cairo 1.12.4] |
| cairo_matrix_transform_point[Cairo 1.12.4] | cairo_scaled_font_text_extents[Cairo 1.12.4] | cairo_xlib_surface_get_screen[Cairo 1.12.4] |
| cairo_matrix_translate[Cairo 1.12.4] | cairo_scaled_font_text_to_glyphs[Cairo 1.12.4] | cairo_xlib_surface_get_visual[Cairo 1.12.4] |
| cairo_mesh_pattern_begin_patch[Cairo 1.12.4] | cairo_script_create[Cairo 1.12.4] | cairo_xlib_surface_get_width[Cairo 1.12.4] |
| cairo_mesh_pattern_curve_to[Cairo 1.12.4] | cairo_script_create_for_stream[Cairo 1.12.4] | cairo_xlib_surface_get_xrender_format[Cairo 1.12.4] |
| cairo_mesh_pattern_end_patch[Cairo 1.12.4] | cairo_script_from_recording_surface[Cairo 1.12.4] | cairo_xlib_surface_set_drawable[Cairo 1.12.4] |
| cairo_mesh_pattern_get_control_point[Cairo 1.12.4] | cairo_script_get_mode[Cairo 1.12.4] | cairo_xlib_surface_set_size[Cairo 1.12.4] |

## A.13 libcairo-gobject

The behavior of the interfaces in this library is specified by the following Standards.

Gobject 2.32 Reference Manual [Gobject 2.32]

**Table A-14 libcairo-gobject Function Interfaces**

| | | |
|---|---|---|
| cairo_gobject_antialias_get_type[Gobject 2.32] | cairo_gobject_font_type_get_type[Gobject 2.32] | cairo_gobject_rectangle_get_type[Gobject 2.32] |
| cairo_gobject_content_get_type[Gobject 2.32] | cairo_gobject_font_weight_get_type[Gobject 2.32] | cairo_gobject_rectangle_int_get_type[Gobject 2.32] |
| cairo_gobject_context_get_type[Gobject 2.32] | cairo_gobject_format_get_type[Gobject 2.32] | cairo_gobject_region_get_type[Gobject 2.32] |
| cairo_gobject_device_get_type[Gobject 2.32] | cairo_gobject_hint_metrics_get_type[Gobject 2.32] | cairo_gobject_region_overlap_get_type[Gobject 2.32] |
| cairo_gobject_device_type_get_type[Gobject 2.32] | cairo_gobject_hint_style_get_type[Gobject 2.32] | cairo_gobject_scaled_font_get_type[Gobject 2.32] |
| cairo_gobject_extend_get_type[Gobject 2.32] | cairo_gobject_line_cap_get_type[Gobject 2.32] | cairo_gobject_status_get_type[Gobject 2.32] |

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| | | |
|---|---|---|
| cairo_gobject_fill_rule_get_type[Gobject 2.32] | cairo_gobject_line_join_get_type[Gobject 2.32] | cairo_gobject_subpixel_order_get_type[Gobject 2.32] |
| cairo_gobject_filter_get_type[Gobject 2.32] | cairo_gobject_operator_get_type[Gobject 2.32] | cairo_gobject_surface_get_type[Gobject 2.32] |
| cairo_gobject_font_face_get_type[Gobject 2.32] | cairo_gobject_path_data_type_get_type[Gobject 2.32] | cairo_gobject_surface_type_get_type[Gobject 2.32] |
| cairo_gobject_font_options_get_type[Gobject 2.32] | cairo_gobject_pattern_get_type[Gobject 2.32] | cairo_gobject_text_cluster_flags_get_type[Gobject 2.32] |
| cairo_gobject_font_slant_get_type[Gobject 2.32] | cairo_gobject_pattern_type_get_type[Gobject 2.32] | |

## A.14 libcairo-script-interpreter

The behavior of the interfaces in this library is specified by the following Standards.

This Specification [LSB]

**Table A-15 libcairo-script-interpreter Function Interfaces**

| | | |
|---|---|---|
| cairo_script_interpreter_create[LSB] | cairo_script_interpreter_finish[LSB] | cairo_script_interpreter_run[LSB] |
| cairo_script_interpreter_destroy[LSB] | cairo_script_interpreter_get_line_number[LSB] | cairo_script_interpreter_translate_stream[LSB] |
| cairo_script_interpreter_feed_stream[LSB] | cairo_script_interpreter_install_hooks[LSB] | |
| cairo_script_interpreter_feed_string[LSB] | cairo_script_interpreter_reference[LSB] | |

## A.15 libfontconfig

The behavior of the interfaces in this library is specified by the following Standards.

Fontconfig Developers Reference [fontconfig]

**Table A-16 libfontconfig Function Interfaces**

| | | |
|---|---|---|
| FcAtomicCreate[fontconfig] | FcFileScan[fontconfig] | FcPatternAddCharSet[fontconfig] |
| FcAtomicDeleteNew[fontconfig] | FcFini[fontconfig] | FcPatternAddDouble[fontconfig] |
| FcAtomicDestroy[fontconfig] | FcFontList[fontconfig] | FcPatternAddFTFace[fontconfig] |
| FcAtomicLock[fontconfig] | FcFontMatch[fontconfig] | FcPatternAddInteger[fontconfig] |

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| | | |
|---|---|---|
| FcAtomicNewFile[fontconfig] | FcFontRenderPrepare[fontconfig] | FcPatternAddLangSet[fontconfig] |
| FcAtomicOrigFile[fontconfig] | FcFontSetAdd[fontconfig] | FcPatternAddMatrix[fontconfig] |
| FcAtomicReplaceOrig[fontconfig] | FcFontSetCreate[fontconfig] | FcPatternAddString[fontconfig] |
| FcAtomicUnlock[fontconfig] | FcFontSetDestroy[fontconfig] | FcPatternAddWeak[fontconfig] |
| FcBlanksAdd[fontconfig] | FcFontSetList[fontconfig] | FcPatternBuild[fontconfig] |
| FcBlanksCreate[fontconfig] | FcFontSetMatch[fontconfig] | FcPatternCreate[fontconfig] |
| FcBlanksDestroy[fontconfig] | FcFontSetPrint[fontconfig] | FcPatternDel[fontconfig] |
| FcBlanksIsMember[fontconfig] | FcFontSetSort[fontconfig] | FcPatternDestroy[fontconfig] |
| FcCharSetAddChar[fontconfig] | FcFontSetSortDestroy[fontconfig] | FcPatternDuplicate[fontconfig] |
| FcCharSetCopy[fontconfig] | FcFontSort[fontconfig] | FcPatternEqual[fontconfig] |
| FcCharSetCount[fontconfig] | FcFreeTypeCharIndex[fontconfig] | FcPatternEqualSubset[fontconfig] |
| FcCharSetCreate[fontconfig] | FcFreeTypeCharSet[fontconfig] | FcPatternGet[fontconfig] |
| FcCharSetDestroy[fontconfig] | FcFreeTypeCharSetAndSpacing[fontconfig] | FcPatternGetBool[fontconfig] |
| FcCharSetEqual[fontconfig] | FcFreeTypeQuery[fontconfig] | FcPatternGetCharSet[fontconfig] |
| FcCharSetFirstPage[fontconfig] | FcGetVersion[fontconfig] | FcPatternGetDouble[fontconfig] |
| FcCharSetHasChar[fontconfig] | FcInit[fontconfig] | FcPatternGetFTFace[fontconfig] |
| FcCharSetIntersect[fontconfig] | FcInitBringUptoDate[fontconfig] | FcPatternGetInteger[fontconfig] |
| FcCharSetIntersectCount[fontconfig] | FcInitLoadConfig[fontconfig] | FcPatternGetLangSet[fontconfig] |
| FcCharSetIsSubset[fontconfig] | FcInitLoadConfigAndFonts[fontconfig] | FcPatternGetMatrix[fontconfig] |
| FcCharSetNextPage[fontconfig] | FcInitReinitialize[fontconfig] | FcPatternGetString[fontconfig] |
| FcCharSetSubtract[fontconfig] | FcLangSetAdd[fontconfig] | FcPatternHash[fontconfig] |

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| | | |
|---|---|---|
| FcCharSetSubtractCount[fontconfig] | FcLangSetCompare[fontconfig] | FcPatternPrint[fontconfig] |
| FcCharSetUnion[fontconfig] | FcLangSetContains[fontconfig] | FcPatternReference[fontconfig] |
| FcConfigAppFontAddDir[fontconfig] | FcLangSetCopy[fontconfig] | FcPatternVaBuild[fontconfig] |
| FcConfigAppFontAddFile[fontconfig] | FcLangSetCreate[fontconfig] | FcStrBasename[fontconfig] |
| FcConfigAppFontClear[fontconfig] | FcLangSetDestroy[fontconfig] | FcStrCmp[fontconfig] |
| FcConfigBuildFonts[fontconfig] | FcLangSetEqual[fontconfig] | FcStrCmpIgnoreCase[fontconfig] |
| FcConfigDestroy[fontconfig] | FcLangSetHasLang[fontconfig] | FcStrCopy[fontconfig] |
| FcConfigEnableHome[fontconfig] | FcLangSetHash[fontconfig] | FcStrCopyFilename[fontconfig] |
| FcConfigFilename[fontconfig] | FcMatrixCopy[fontconfig] | FcStrDirname[fontconfig] |
| FcConfigGetBlanks[fontconfig] | FcMatrixEqual[fontconfig] | FcStrListCreate[fontconfig] |
| FcConfigGetCache[fontconfig] | FcMatrixMultiply[fontconfig] | FcStrListDone[fontconfig] |
| FcConfigGetConfigDirs[fontconfig] | FcMatrixRotate[fontconfig] | FcStrListNext[fontconfig] |
| FcConfigGetConfigFiles[fontconfig] | FcMatrixScale[fontconfig] | FcStrSetAdd[fontconfig] |
| FcConfigGetCurrent[fontconfig] | FcMatrixShear[fontconfig] | FcStrSetAddFilename[fontconfig] |
| FcConfigGetFontDirs[fontconfig] | FcNameConstant[fontconfig] | FcStrSetCreate[fontconfig] |
| FcConfigGetFonts[fontconfig] | FcNameGetConstant[fontconfig] | FcStrSetDel[fontconfig] |
| FcConfigGetRescanInterval[fontconfig] | FcNameGetObjectType[fontconfig] | FcStrSetDestroy[fontconfig] |
| FcConfigGetRescanInverval[fontconfig] | FcNameParse[fontconfig] | FcStrSetEqual[fontconfig] |
| FcConfigHome[fontconfig] | FcNameRegisterConstants[fontconfig] | FcStrSetMember[fontconfig] |
| FcConfigParseAndLoad[fontconfig] | FcNameRegisterObjectTypes[fontconfig] | FcUcs4ToUtf8[fontconfig] |
| FcConfigSetCurrent[fontconfig] | FcNameUnparse[fontconfig] | FcUtf16Len[fontconfig] |

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| | | |
|---|---|---|
| FcConfigSetRescanInterval[fontconfig] | FcNameUnregisterConstants[fontconfig] | FcUtf16ToUcs4[fontconfig] |
| FcConfigSetRescanInverval[fontconfig] | FcNameUnregisterObjectTypes[fontconfig] | FcUtf8Len[fontconfig] |
| FcConfigSubstitute[fontconfig] | FcObjectSetAdd[fontconfig] | FcUtf8ToUcs4[fontconfig] |
| FcConfigSubstituteWithPat[fontconfig] | FcObjectSetBuild[fontconfig] | FcValueDestroy[fontconfig] |
| FcConfigUptoDate[fontconfig] | FcObjectSetCreate[fontconfig] | FcValueEqual[fontconfig] |
| FcDefaultSubstitute[fontconfig] | FcObjectSetDestroy[fontconfig] | FcValuePrint[fontconfig] |
| FcDirCacheValid[fontconfig] | FcObjectSetVaBuild[fontconfig] | FcValueSave[fontconfig] |
| FcDirSave[fontconfig] | FcPatternAdd[fontconfig] | |
| FcDirScan[fontconfig] | FcPatternAddBool[fontconfig] | |

## A.16 libfreetype

The behavior of the interfaces in this library is specified by the following Standards.

FreeType 2.2 Reference [freetype 2.2]
This Specification [LSB]

**Table A-17 libfreetype Function Interfaces**

| | | |
|---|---|---|
| FT_Activate_Size[freetype 2.2] | FT_Get_Sfnt_Name_Count[freetype 2.2] | FT_Outline_Render[freetype 2.2] |
| FT_Add_Default_Modules[freetype 2.2] | FT_Get_Sfnt_Table[freetype 2.2] | FT_Outline_Reverse[freetype 2.2] |
| FT_Add_Module[freetype 2.2] | FT_Get_X11_Font_Format[LSB] | FT_Outline_Transform[freetype 2.2] |
| FT_Angle_Diff[freetype 2.2] | FT_Glyph_Copy[freetype 2.2] | FT_Outline_Translate[freetype 2.2] |
| FT_Atan2[freetype 2.2] | FT_Glyph_Get_CBox[freetype 2.2] | FT_Remove_Module[freetype 2.2] |
| FT_Attach_File[freetype 2.2] | FT_Glyph_Stroke[freetype 2.2] | FT_Render_Glyph[freetype 2.2] |
| FT_Attach_Stream[freetype 2.2] | FT_Glyph_StrokeBorder[freetype 2.2] | FT_RoundFix[freetype 2.2] |
| FT_Bitmap_Convert[freetype 2.2] | FT_Glyph_To_Bitmap[freetype 2.2] | FT_Select_Charmap[freetype 2.2] |

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| | | |
|---|---|---|
| FT_Bitmap_Copy[freetype 2.2] | FT_Glyph_Transform[freetype 2.2] | FT_Set_Char_Size[freetype 2.2] |
| FT_Bitmap_Done[freetype 2.2] | FT_Has_PS_Glyph_Names[freetype 2.2] | FT_Set_Charmap[freetype 2.2] |
| FT_Bitmap_Embolden[freetype 2.2] | FT_Init_FreeType[freetype 2.2] | FT_Set_Debug_Hook[freetype 2.2] |
| FT_Bitmap_New[freetype 2.2] | FT_Library_Version[freetype 2.2] | FT_Set_MM_Blend_Coordinates[freetype 2.2] |
| FT_CeilFix[freetype 2.2] | FT_List_Add[freetype 2.2] | FT_Set_MM_Design_Coordinates[freetype 2.2] |
| FT_Cos[freetype 2.2] | FT_List_Finalize[freetype 2.2] | FT_Set_Pixel_Sizes[freetype 2.2] |
| FT_DivFix[freetype 2.2] | FT_List_Find[freetype 2.2] | FT_Set_Renderer[freetype 2.2] |
| FT_Done_Face[freetype 2.2] | FT_List_Insert[freetype 2.2] | FT_Set_Transform[freetype 2.2] |
| FT_Done_FreeType[freetype 2.2] | FT_List_Iterate[freetype 2.2] | FT_Set_Var_Blend_Coordinates[freetype 2.2] |
| FT_Done_Glyph[freetype 2.2] | FT_List_Remove[freetype 2.2] | FT_Set_Var_Design_Coordinates[freetype 2.2] |
| FT_Done_Library[freetype 2.2] | FT_List_Up[freetype 2.2] | FT_Sfnt_Table_Info[freetype 2.2] |
| FT_Done_Size[freetype 2.2] | FT_Load_Char[freetype 2.2] | FT_Sin[freetype 2.2] |
| FT_FloorFix[freetype 2.2] | FT_Load_Glyph[freetype 2.2] | FT_Stroker_BeginSubPath[freetype 2.2] |
| FT_Get_BDF_Charset_ID[freetype 2.2] | FT_Load_Sfnt_Table[freetype 2.2] | FT_Stroker_ConicTo[freetype 2.2] |
| FT_Get_BDF_Property[freetype 2.2] | FT_Matrix_Invert[freetype 2.2] | FT_Stroker_CubicTo[freetype 2.2] |
| FT_Get_CMap_Language_ID[freetype 2.2] | FT_Matrix_Multiply[freetype 2.2] | FT_Stroker_Done[freetype 2.2] |
| FT_Get_Char_Index[freetype 2.2] | FT_MulDiv[freetype 2.2] | FT_Stroker_EndSubPath[freetype 2.2] |
| FT_Get_Charmap_Index[freetype 2.2] | FT_MulFix[freetype 2.2] | FT_Stroker_Export[freetype 2.2] |
| FT_Get_First_Char[freetype 2.2] | FT_New_Face[freetype 2.2] | FT_Stroker_ExportBorder[freetype 2.2] |
| FT_Get_Glyph[freetype 2.2] | FT_New_Library[freetype 2.2] | FT_Stroker_GetBorderCounts[freetype 2.2] |
| FT_Get_Glyph_Name[freetype 2.2] | FT_New_Memory_Face[freetype 2.2] | FT_Stroker_GetCounts[freetype 2.2] |


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| | | |
|---|---|---|
| FT_Get_Kerning[freetype 2.2] | FT_New_Size[freetype 2.2] | FT_Stroker_LineTo[freetype 2.2] |
| FT_Get_MM_Var[freetype 2.2] | FT_OpenType_Validate[freetype 2.2] | FT_Stroker_New[freetype 2.2] |
| FT_Get_Module[freetype 2.2] | FT_Open_Face[freetype 2.2] | FT_Stroker_ParseOutline[freetype 2.2] |
| FT_Get_Multi_Master[freetype 2.2] | FT_Outline_Check[freetype 2.2] | FT_Stroker_Rewind[freetype 2.2] |
| FT_Get_Name_Index[freetype 2.2] | FT_Outline_Copy[freetype 2.2] | FT_Stroker_Set[freetype 2.2] |
| FT_Get_Next_Char[freetype 2.2] | FT_Outline_Decompose[freetype 2.2] | FT_Tan[freetype 2.2] |
| FT_Get_PFR_Advance[freetype 2.2] | FT_Outline_Done[freetype 2.2] | FT_Vector_From_Polar[freetype 2.2] |
| FT_Get_PFR_Kerning[freetype 2.2] | FT_Outline_GetInsideBorder[freetype 2.2] | FT_Vector_Length[freetype 2.2] |
| FT_Get_PFR_Metrics[freetype 2.2] | FT_Outline_GetOutsideBorder[freetype 2.2] | FT_Vector_Polarize[freetype 2.2] |
| FT_Get_PS_Font_Info[freetype 2.2] | FT_Outline_Get_BBox[freetype 2.2] | FT_Vector_Rotate[freetype 2.2] |
| FT_Get_PS_Font_Private[freetype 2.2] | FT_Outline_Get_Bitmap[freetype 2.2] | FT_Vector_Transform[freetype 2.2] |
| FT_Get_Postscript_Name[freetype 2.2] | FT_Outline_Get_CBox[freetype 2.2] | FT_Vector_Unit[freetype 2.2] |
| FT_Get_Renderer[freetype 2.2] | FT_Outline_Get_Orientation[freetype 2.2] | |
| FT_Get_Sfnt_Name[freetype 2.2] | FT_Outline_New[freetype 2.2] | |

## A.17 libjpeg

The behavior of the interfaces in this library is specified by the following Standards.

This Specification [LSB]

**Table A-18 libjpeg Function Interfaces**

| | | |
|---|---|---|
| jpeg_CreateCompress(LIBJPEG_6.2)[LSB] | jpeg_finish_decompress(LIBJPEG_6.2)[LSB] | jpeg_set_quality(LIBJPEG_6.2)[LSB] |
| jpeg_CreateDecompress(LIBJPEG_6.2)[LSB] | jpeg_finish_output(LIBJPEG_6.2)[LSB] | jpeg_simple_progression(LIBJPEG_6.2)[LSB] |
| jpeg_abort(LIBJPEG_6.2)[LSB] | jpeg_has_multiple_scans(LIBJPEG_6.2)[LSB] | jpeg_start_compress(LIBJPEG_6.2)[LSB] |
| jpeg_abort_compress(LIBJPEG_6.2)[LSB] | jpeg_input_complete(LIBJPEG_6.2)[LSB] | jpeg_start_decompress(LIBJPEG_6.2)[LSB] |

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| | | |
|---|---|---|
| jpeg_abort_decompress (LIBJPEG_6.2)[LSB] | jpeg_new_colormap(LIBJPEG_6.2)[LSB] | jpeg_start_output(LIBJPEG_6.2)[LSB] |
| jpeg_add_quant_table( LIBJPEG_6.2)[LSB] | jpeg_quality_scaling(LIBJPEG_6.2)[LSB] | jpeg_std_error(LIBJPEG_6.2)[LSB] |
| jpeg_alloc_huff_table(LIBJPEG_6.2)[LSB] | jpeg_read_coefficients( LIBJPEG_6.2)[LSB] | jpeg_stdio_dest(LIBJPEG_6.2)[LSB] |
| jpeg_alloc_quant_table( LIBJPEG_6.2)[LSB] | jpeg_read_header(LIBJPEG_6.2)[LSB] | jpeg_stdio_src(LIBJPEG_6.2)[LSB] |
| jpeg_calc_output_dimensions(LIBJPEG_6.2)[LSB] | jpeg_read_raw_data(LIBJPEG_6.2)[LSB] | jpeg_suppress_tables(LIBJPEG_6.2)[LSB] |
| jpeg_consume_input(LIBJPEG_6.2)[LSB] | jpeg_read_scanlines(LIBJPEG_6.2)[LSB] | jpeg_write_coefficients( LIBJPEG_6.2)[LSB] |
| jpeg_copy_critical_parameters(LIBJPEG_6.2)[LSB] | jpeg_resync_to_restart( LIBJPEG_6.2)[LSB] | jpeg_write_m_byte(LIBJPEG_6.2)[LSB] |
| jpeg_default_colorspace (LIBJPEG_6.2)[LSB] | jpeg_save_markers(LIBJPEG_6.2)[LSB] | jpeg_write_m_header(LIBJPEG_6.2)[LSB] |
| jpeg_destroy(LIBJPEG_6.2)[LSB] | jpeg_set_colorspace(LIBJPEG_6.2)[LSB] | jpeg_write_marker(LIBJPEG_6.2)[LSB] |
| jpeg_destroy_compress( LIBJPEG_6.2)[LSB] | jpeg_set_defaults(LIBJPEG_6.2)[LSB] | jpeg_write_raw_data(LIBJPEG_6.2)[LSB] |
| jpeg_destroy_decompress(LIBJPEG_6.2)[LSB] | jpeg_set_linear_quality( LIBJPEG_6.2)[LSB] | jpeg_write_scanlines(LIBJPEG_6.2)[LSB] |
| jpeg_finish_compress(LIBJPEG_6.2)[LSB] | jpeg_set_marker_processor(LIBJPEG_6.2)[LSB] | jpeg_write_tables(LIBJPEG_6.2)[LSB] |

## A.18 libpng12

The behavior of the interfaces in this library is specified by the following Standards.

This Specification [LSB]

**Table A-19 libpng12 Function Interfaces**

| | | |
|---|---|---|
| png_access_version_number(PNG12_0)[LSB] | png_get_user_chunk_ptr(PNG12_0)[LSB] | png_set_invert_mono(PNG12_0)[LSB] |
| png_check_sig(PNG12_0)[LSB] | png_get_valid(PNG12_0)[LSB] | png_set_keep_unknown_chunks(PNG12_0)[LSB] |
| png_convert_from_struct_tm(PNG12_0)[LSB] | png_get_x_offset_pixels (PNG12_0)[LSB] | png_set_mem_fn(PNG12_0)[LSB] |
| png_convert_from_time_t(PNG12_0)[LSB] | png_get_x_pixels_per_meter(PNG12_0)[LSB] | png_set_oFFs(PNG12_0)[LSB] |


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| | | |
|---|---|---|
| png_create_info_struct(PNG12_0)[LSB] | png_get_y_offset_pixels(PNG12_0)[LSB] | png_set_pHYs(PNG12_0)[LSB] |
| png_create_read_struct(PNG12_0)[LSB] | png_get_y_pixels_per_meter(PNG12_0)[LSB] | png_set_packing(PNG12_0)[LSB] |
| png_create_read_struct_2(PNG12_0)[LSB] | png_info_init_3(PNG12_0)[LSB] | png_set_packswap(PNG12_0)[LSB] |
| png_create_write_struct(PNG12_0)[LSB] | png_init_io(PNG12_0)[LSB] | png_set_palette_to_rgb(PNG12_0)[LSB] |
| png_create_write_struct_2(PNG12_0)[LSB] | png_malloc(PNG12_0)[LSB] | png_set_progressive_read_fn(PNG12_0)[LSB] |
| png_data_freer(PNG12_0)[LSB] | png_permit_mng_features(PNG12_0)[LSB] | png_set_read_fn(PNG12_0)[LSB] |
| png_destroy_info_struct(PNG12_0)[LSB] | png_process_data(PNG12_0)[LSB] | png_set_read_user_chunk_fn(PNG12_0)[LSB] |
| png_destroy_read_struct(PNG12_0)[LSB] | png_progressive_combine_row(PNG12_0)[LSB] | png_set_read_user_transform_fn(PNG12_0)[LSB] |
| png_destroy_write_struct(PNG12_0)[LSB] | png_read_end(PNG12_0)[LSB] | png_set_rgb_to_gray(PNG12_0)[LSB] |
| png_error(PNG12_0)[LSB] | png_read_image(PNG12_0)[LSB] | png_set_rows(PNG12_0)[LSB] |
| png_free(PNG12_0)[LSB] | png_read_info(PNG12_0)[LSB] | png_set_sBIT(PNG12_0)[LSB] |
| png_free_data(PNG12_0)[LSB] | png_read_png(PNG12_0)[LSB] | png_set_sRGB(PNG12_0)[LSB] |
| png_get_IHDR(PNG12_0)[LSB] | png_read_row(PNG12_0)[LSB] | png_set_sRGB_gAMA_and_cHRM(PNG12_0)[LSB] |
| png_get_PLTE(PNG12_0)[LSB] | png_read_rows(PNG12_0)[LSB] | png_set_shift(PNG12_0)[LSB] |
| png_get_bKGD(PNG12_0)[LSB] | png_read_update_info(PNG12_0)[LSB] | png_set_sig_bytes(PNG12_0)[LSB] |
| png_get_bit_depth(PNG12_0)[LSB] | png_set_IHDR(PNG12_0)[LSB] | png_set_strip_16(PNG12_0)[LSB] |
| png_get_cHRM(PNG12_0)[LSB] | png_set_PLTE(PNG12_0)[LSB] | png_set_strip_alpha(PNG12_0)[LSB] |
| png_get_channels(PNG12_0)[LSB] | png_set_bKGD(PNG12_0)[LSB] | png_set_swap(PNG12_0)[LSB] |
| png_get_color_type(PNG12_0)[LSB] | png_set_background(PNG12_0)[LSB] | png_set_swap_alpha(PNG12_0)[LSB] |
| png_get_error_ptr(PNG12_0)[LSB] | png_set_bgr(PNG12_0)[LSB] | png_set_tIME(PNG12_0)[LSB] |

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| | | |
|---|---|---|
| png_get_gAMA(PNG12_0)[LSB] | png_set_cHRM(PNG12_0)[LSB] | png_set_tRNS(PNG12_0)[LSB] |
| png_get_hIST(PNG12_0)[LSB] | png_set_compression_buffer_size(PNG12_0)[LSB] | png_set_tRNS_to_alpha(PNG12_0)[LSB] |
| png_get_header_ver(PNG12_0)[LSB] | png_set_compression_level(PNG12_0)[LSB] | png_set_text(PNG12_0)[LSB] |
| png_get_iCCP(PNG12_0)[LSB] | png_set_compression_mem_level(PNG12_0)[LSB] | png_set_unknown_chunk_location(PNG12_0)[LSB] |
| png_get_image_height(PNG12_0)[LSB] | png_set_compression_method(PNG12_0)[LSB] | png_set_unknown_chunks(PNG12_0)[LSB] |
| png_get_image_width(PNG12_0)[LSB] | png_set_compression_strategy(PNG12_0)[LSB] | png_set_write_fn(PNG12_0)[LSB] |
| png_get_interlace_type(PNG12_0)[LSB] | png_set_compression_window_bits(PNG12_0)[LSB] | png_set_write_status_fn(PNG12_0)[LSB] |
| png_get_io_ptr(PNG12_0)[LSB] | png_set_dither(PNG12_0)[LSB] | png_set_write_user_transform_fn(PNG12_0)[LSB] |
| png_get_libpng_ver(PNG12_0)[LSB] | png_set_error_fn(PNG12_0)[LSB] | png_sig_cmp(PNG12_0)[LSB] |
| png_get_oFFs(PNG12_0)[LSB] | png_set_expand(PNG12_0)[LSB] | png_start_read_image(PNG12_0)[LSB] |
| png_get_pHYs(PNG12_0)[LSB] | png_set_filler(PNG12_0)[LSB] | png_warning(PNG12_0)[LSB] |
| png_get_progressive_ptr(PNG12_0)[LSB] | png_set_filter(PNG12_0)[LSB] | png_write_chunk(PNG12_0)[LSB] |
| png_get_rowbytes(PNG12_0)[LSB] | png_set_gAMA(PNG12_0)[LSB] | png_write_end(PNG12_0)[LSB] |
| png_get_rows(PNG12_0)[LSB] | png_set_gamma(PNG12_0)[LSB] | png_write_flush(PNG12_0)[LSB] |
| png_get_sBIT(PNG12_0)[LSB] | png_set_gray_1_2_4_to_8(PNG12_0)[LSB] | png_write_image(PNG12_0)[LSB] |
| png_get_sRGB(PNG12_0)[LSB] | png_set_gray_to_rgb(PNG12_0)[LSB] | png_write_info(PNG12_0)[LSB] |
| png_get_tIME(PNG12_0)[LSB] | png_set_hIST(PNG12_0)[LSB] | png_write_png(PNG12_0)[LSB] |
| png_get_tRNS(PNG12_0)[LSB] | png_set_iCCP(PNG12_0)[LSB] | png_write_row(PNG12_0)[LSB] |
| png_get_text(PNG12_0)[LSB] | png_set_interlace_handling(PNG12_0)[LSB] | png_write_rows(PNG12_0)[LSB] |


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| | | |
|---|---|---|
| png_get_unknown_chunks(PNG12_0)[LSB] | png_set_invert_alpha(PNG12_0)[LSB] | |

**Table A-20 libpng12 Data Interfaces**

| | | |
|---|---|---|
| png_libpng_ver[LSB] | | |

## A.19 libtiff

The behavior of the interfaces in this library is specified by the following Standards.

Libtiff 4.0.2 Reference Manual [Libtiff 4.0.2]

**Table A-21 libtiff Function Interfaces**

| | | |
|---|---|---|
| TIFFAccessTagMethods[Libtiff 4.0.2] | TIFFGetWriteProc[Libtiff 4.0.2] | TIFFSetSubDirectory[Libtiff 4.0.2] |
| TIFFCIELabToRGBInit[Libtiff 4.0.2] | TIFFIsBigEndian[Libtiff 4.0.2] | TIFFSetTagExtender[Libtiff 4.0.2] |
| TIFFCIELabToXYZ[Libtiff 4.0.2] | TIFFIsByteSwapped[Libtiff 4.0.2] | TIFFSetWarningHandler[Libtiff 4.0.2] |
| TIFFCheckTile[Libtiff 4.0.2] | TIFFIsCODECConfigured[Libtiff 4.0.2] | TIFFSetWarningHandlerExt[Libtiff 4.0.2] |
| TIFFCheckpointDirectory[Libtiff 4.0.2] | TIFFIsMSB2LSB[Libtiff 4.0.2] | TIFFSetWriteOffset[Libtiff 4.0.2] |
| TIFFCleanup[Libtiff 4.0.2] | TIFFIsTiled[Libtiff 4.0.2] | TIFFSetupStrips[Libtiff 4.0.2] |
| TIFFClientOpen[Libtiff 4.0.2] | TIFFIsUpSampled[Libtiff 4.0.2] | TIFFStripSize[Libtiff 4.0.2] |
| TIFFClientdata[Libtiff 4.0.2] | TIFFLastDirectory[Libtiff 4.0.2] | TIFFStripSize64[Libtiff 4.0.2] |
| TIFFClose[Libtiff 4.0.2] | TIFFNumberOfDirectories[Libtiff 4.0.2] | TIFFSwabArrayOfDouble[Libtiff 4.0.2] |
| TIFFComputeStrip[Libtiff 4.0.2] | TIFFNumberOfStrips[Libtiff 4.0.2] | TIFFSwabArrayOfFloat[Libtiff 4.0.2] |
| TIFFComputeTile[Libtiff 4.0.2] | TIFFNumberOfTiles[Libtiff 4.0.2] | TIFFSwabArrayOfLong[Libtiff 4.0.2] |
| TIFFCreateCustomDirectory[Libtiff 4.0.2] | TIFFOpen[Libtiff 4.0.2] | TIFFSwabArrayOfLong8[Libtiff 4.0.2] |
| TIFFCreateDirectory[Libtiff 4.0.2] | TIFFPrintDirectory[Libtiff 4.0.2] | TIFFSwabArrayOfShort[Libtiff 4.0.2] |
| TIFFCreateEXIFDirectory[Libtiff 4.0.2] | TIFFRGBAImageBegin[Libtiff 4.0.2] | TIFFSwabArrayOfTriples[Libtiff 4.0.2] |
| TIFFCurrentDirOffset[Libtiff 4.0.2] | TIFFRGBAImageEnd[Libtiff 4.0.2] | TIFFSwabDouble[Libtiff 4.0.2] |

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| | | |
|---|---|---|
| TIFFCurrentDirectory[Libtiff 4.0.2] | TIFFRGBAImageGet[Libtiff 4.0.2] | TIFFSwabFloat[Libtiff 4.0.2] |
| TIFFCurrentRow[Libtiff 4.0.2] | TIFFRGBAImageOK[Libtiff 4.0.2] | TIFFSwabLong[Libtiff 4.0.2] |
| TIFFCurrentStrip[Libtiff 4.0.2] | TIFFRasterScanlineSize[Libtiff 4.0.2] | TIFFSwabLong8[Libtiff 4.0.2] |
| TIFFCurrentTile[Libtiff 4.0.2] | TIFFRasterScanlineSize64[Libtiff 4.0.2] | TIFFSwabShort[Libtiff 4.0.2] |
| TIFFDataWidth[Libtiff 4.0.2] | TIFFRawStripSize[Libtiff 4.0.2] | TIFFTileRowSize[Libtiff 4.0.2] |
| TIFFDefaultStripSize[Libtiff 4.0.2] | TIFFRawStripSize64[Libtiff 4.0.2] | TIFFTileRowSize64[Libtiff 4.0.2] |
| TIFFDefaultTileSize[Libtiff 4.0.2] | TIFFReadBufferSetup[Libtiff 4.0.2] | TIFFTileSize[Libtiff 4.0.2] |
| TIFFError[Libtiff 4.0.2] | TIFFReadCustomDirectory[Libtiff 4.0.2] | TIFFTileSize64[Libtiff 4.0.2] |
| TIFFErrorExt[Libtiff 4.0.2] | TIFFReadDirectory[Libtiff 4.0.2] | TIFFUnRegisterCODEC[Libtiff 4.0.2] |
| TIFFFdOpen[Libtiff 4.0.2] | TIFFReadEXIFDirectory[Libtiff 4.0.2] | TIFFUnlinkDirectory[Libtiff 4.0.2] |
| TIFFFieldWithName[Libtiff 4.0.2] | TIFFReadEncodedStrip[Libtiff 4.0.2] | TIFFUnsetField[Libtiff 4.0.2] |
| TIFFFieldWithTag[Libtiff 4.0.2] | TIFFReadEncodedTile[Libtiff 4.0.2] | TIFFVGetField[Libtiff 4.0.2] |
| TIFFFileName[Libtiff 4.0.2] | TIFFReadRGBAImage[Libtiff 4.0.2] | TIFFVGetFieldDefaulted[Libtiff 4.0.2] |
| TIFFFileno[Libtiff 4.0.2] | TIFFReadRGBAImageOriented[Libtiff 4.0.2] | TIFFVSetField[Libtiff 4.0.2] |
| TIFFFindCODEC[Libtiff 4.0.2] | TIFFReadRGBAStrip[Libtiff 4.0.2] | TIFFVStripSize[Libtiff 4.0.2] |
| TIFFFindField[Libtiff 4.0.2] | TIFFReadRGBATile[Libtiff 4.0.2] | TIFFVStripSize64[Libtiff 4.0.2] |
| TIFFFlush[Libtiff 4.0.2] | TIFFReadRawStrip[Libtiff 4.0.2] | TIFFVTileSize[Libtiff 4.0.2] |
| TIFFFlushData[Libtiff 4.0.2] | TIFFReadRawTile[Libtiff 4.0.2] | TIFFVTileSize64[Libtiff 4.0.2] |
| TIFFFreeDirectory[Libtiff 4.0.2] | TIFFReadScanline[Libtiff 4.0.2] | TIFFWarning[Libtiff 4.0.2] |
| TIFFGetBitRevTable[Libtiff 4.0.2] | TIFFReadTile[Libtiff 4.0.2] | TIFFWarningExt[Libtiff 4.0.2] |
| TIFFGetClientInfo[Libtiff 4.0.2] | TIFFRegisterCODEC[Libtiff 4.0.2] | TIFFWriteBufferSetup[Libtiff 4.0.2] |

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| | | |
|---|---|---|
| TIFFGetCloseProc[Libtiff 4.0.2] | TIFFReverseBits[Libtiff 4.0.2] | TIFFWriteCheck[Libtiff 4.0.2] |
| TIFFGetConfiguredCODECs[Libtiff 4.0.2] | TIFFRewriteDirectory[Libtiff 4.0.2] | TIFFWriteCustomDirectory[Libtiff 4.0.2] |
| TIFFGetField[Libtiff 4.0.2] | TIFFScanlineSize[Libtiff 4.0.2] | TIFFWriteDirectory[Libtiff 4.0.2] |
| TIFFGetFieldDefaulted[Libtiff 4.0.2] | TIFFScanlineSize64[Libtiff 4.0.2] | TIFFWriteEncodedStrip[Libtiff 4.0.2] |
| TIFFGetMapFileProc[Libtiff 4.0.2] | TIFFSetClientInfo[Libtiff 4.0.2] | TIFFWriteEncodedTile[Libtiff 4.0.2] |
| TIFFGetMode[Libtiff 4.0.2] | TIFFSetClientdata[Libtiff 4.0.2] | TIFFWriteRawStrip[Libtiff 4.0.2] |
| TIFFGetReadProc[Libtiff 4.0.2] | TIFFSetDirectory[Libtiff 4.0.2] | TIFFWriteRawTile[Libtiff 4.0.2] |
| TIFFGetSeekProc[Libtiff 4.0.2] | TIFFSetErrorHandler[Libtiff 4.0.2] | TIFFWriteScanline[Libtiff 4.0.2] |
| TIFFGetSizeProc[Libtiff 4.0.2] | TIFFSetErrorHandlerExt[Libtiff 4.0.2] | TIFFWriteTile[Libtiff 4.0.2] |
| TIFFGetTagListCount[Libtiff 4.0.2] | TIFFSetField[Libtiff 4.0.2] | TIFFXYZToRGB[Libtiff 4.0.2] |
| TIFFGetTagListEntry[Libtiff 4.0.2] | TIFFSetFileName[Libtiff 4.0.2] | TIFFYCbCrToRGBInit[Libtiff 4.0.2] |
| TIFFGetUnmapFileProc[Libtiff 4.0.2] | TIFFSetFileno[Libtiff 4.0.2] | TIFFYCbCrtoRGB[Libtiff 4.0.2] |
| TIFFGetVersion[Libtiff 4.0.2] | TIFFSetMode[Libtiff 4.0.2] | |

## A.20 libxcb

The behavior of the interfaces in this library is specified by the following Standards.

Libxcb API [Libxcb 1.7]
This Specification [LSB]

**Table A-22 libxcb Function Interfaces**

| | | |
|---|---|---|
| xcb_alloc_color[LSB] | xcb_get_input_focus[LSB] | xcb_query_best_size_unchecked[LSB] |
| xcb_alloc_color_cells[LSB] | xcb_get_input_focus_reply[LSB] | xcb_query_colors[LSB] |
| xcb_alloc_color_cells_masks[LSB] | xcb_get_input_focus_unchecked[LSB] | xcb_query_colors_colors[LSB] |
| xcb_alloc_color_cells_masks_end[LSB] | xcb_get_keyboard_control[LSB] | xcb_query_colors_colors_iterator[LSB] |

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| | | |
|---|---|---|
| xcb_alloc_color_cells_masks_length[LSB] | xcb_get_keyboard_control_reply[LSB] | xcb_query_colors_colors_length[LSB] |
| xcb_alloc_color_cells_pixels[LSB] | xcb_get_keyboard_control_unchecked[LSB] | xcb_query_colors_reply[LSB] |
| xcb_alloc_color_cells_pixels_end[LSB] | xcb_get_keyboard_mapping[LSB] | xcb_query_colors_unchecked[LSB] |
| xcb_alloc_color_cells_pixels_length[LSB] | xcb_get_keyboard_mapping_keysyms[LSB] | xcb_query_extension[LSB] |
| xcb_alloc_color_cells_reply[LSB] | xcb_get_keyboard_mapping_keysyms_end[LSB] | xcb_query_extension_reply[LSB] |
| xcb_alloc_color_cells_unchecked[LSB] | xcb_get_keyboard_mapping_keysyms_length[LSB] | xcb_query_extension_unchecked[LSB] |
| xcb_alloc_color_planes[LSB] | xcb_get_keyboard_mapping_reply[LSB] | xcb_query_font[LSB] |
| xcb_alloc_color_planes_pixels[LSB] | xcb_get_keyboard_mapping_unchecked[LSB] | xcb_query_font_char_infos[LSB] |
| xcb_alloc_color_planes_pixels_end[LSB] | xcb_get_maximum_request_length[Libxcb 1.7] | xcb_query_font_char_infos_iterator[LSB] |
| xcb_alloc_color_planes_pixels_length[LSB] | xcb_get_modifier_mapping[LSB] | xcb_query_font_char_infos_length[LSB] |
| xcb_alloc_color_planes_reply[LSB] | xcb_get_modifier_mapping_keycodes[LSB] | xcb_query_font_properties[LSB] |
| xcb_alloc_color_planes_unchecked[LSB] | xcb_get_modifier_mapping_keycodes_end[LSB] | xcb_query_font_properties_iterator[LSB] |
| xcb_alloc_color_reply[LSB] | xcb_get_modifier_mapping_keycodes_length[LSB] | xcb_query_font_properties_length[LSB] |
| xcb_alloc_color_unchecked[LSB] | xcb_get_modifier_mapping_reply[LSB] | xcb_query_font_reply[LSB] |
| xcb_alloc_named_color[LSB] | xcb_get_modifier_mapping_unchecked[LSB] | xcb_query_font_unchecked[LSB] |
| xcb_alloc_named_color_reply[LSB] | xcb_get_motion_events[LSB] | xcb_query_keymap[LSB] |
| xcb_alloc_named_color_unchecked[LSB] | xcb_get_motion_events_events[LSB] | xcb_query_keymap_reply[LSB] |
| xcb_allow_events[LSB] | xcb_get_motion_events_events_iterator[LSB] | xcb_query_keymap_unchecked[LSB] |
| xcb_allow_events_checked[LSB] | xcb_get_motion_events_events_length[LSB] | xcb_query_pointer[LSB] |

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| | | |
|---|---|---|
| xcb_arc_end[LSB] | xcb_get_motion_events_reply[LSB] | xcb_query_pointer_reply[LSB] |
| xcb_arc_next[LSB] | xcb_get_motion_events_unchecked[LSB] | xcb_query_pointer_unchecked[LSB] |
| xcb_atom_end[LSB] | xcb_get_pointer_control[LSB] | xcb_query_text_extents[LSB] |
| xcb_atom_next[LSB] | xcb_get_pointer_control_reply[LSB] | xcb_query_text_extents_reply[LSB] |
| xcb_bell[LSB] | xcb_get_pointer_control_unchecked[LSB] | xcb_query_text_extents_unchecked[LSB] |
| xcb_bell_checked[LSB] | xcb_get_pointer_mapping[LSB] | xcb_query_tree[LSB] |
| xcb_big_requests_enable[LSB] | xcb_get_pointer_mapping_map[LSB] | xcb_query_tree_childrenn[LSB] |
| xcb_big_requests_enable_reply[LSB] | xcb_get_pointer_mapping_map_end[LSB] | xcb_query_tree_childrenn_end[LSB] |
| xcb_big_requests_enable_unchecked[LSB] | xcb_get_pointer_mapping_map_length[LSB] | xcb_query_tree_childrenn_length[LSB] |
| xcb_button_end[LSB] | xcb_get_pointer_mapping_reply[LSB] | xcb_query_tree_reply[LSB] |
| xcb_button_next[LSB] | xcb_get_pointer_mapping_unchecked[LSB] | xcb_query_tree_unchecked[LSB] |
| xcb_change_active_pointer_grab[LSB] | xcb_get_property[LSB] | xcb_recolor_cursor[LSB] |
| xcb_change_active_pointer_grab_checked[LSB] | xcb_get_property_reply[LSB] | xcb_recolor_cursor_checked[LSB] |
| xcb_change_gc[LSB] | xcb_get_property_unchecked[LSB] | xcb_rectangle_end[LSB] |
| xcb_change_gc_checked[LSB] | xcb_get_property_value[LSB] | xcb_rectangle_next[LSB] |
| xcb_change_hosts[LSB] | xcb_get_property_value_end[LSB] | xcb_reparent_window[LSB] |
| xcb_change_hosts_checked[LSB] | xcb_get_property_value_length[LSB] | xcb_reparent_window_checked[LSB] |
| xcb_change_keyboard_control[LSB] | xcb_get_screen_saver[LSB] | xcb_request_check[Libxcb 1.7] |
| xcb_change_keyboard_control_checked[LSB] | xcb_get_screen_saver_reply[LSB] | xcb_rgb_end[LSB] |
| xcb_change_keyboard_mapping[LSB] | xcb_get_screen_saver_unchecked[LSB] | xcb_rgb_next[LSB] |

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| | | |
|---|---|---|
| xcb_change_keyboard_mapping_checked[LSB] | xcb_get_selection_owner[LSB] | xcb_rotate_properties[LSB] |
| xcb_change_pointer_control[LSB] | xcb_get_selection_owner_reply[LSB] | xcb_rotate_properties_checked[LSB] |
| xcb_change_pointer_control_checked[LSB] | xcb_get_selection_owner_unchecked[LSB] | xcb_screen_allowed_depths_iterator[LSB] |
| xcb_change_property[LSB] | xcb_get_setup[Libxcb 1.7] | xcb_screen_allowed_depths_length[LSB] |
| xcb_change_property_checked[LSB] | xcb_get_window_attributes[LSB] | xcb_screen_end[LSB] |
| xcb_change_save_set[LSB] | xcb_get_window_attributes_reply[LSB] | xcb_screen_next[LSB] |
| xcb_change_save_set_checked[LSB] | xcb_get_window_attributes_unchecked[LSB] | xcb_segment_end[LSB] |
| xcb_change_window_attributes[LSB] | xcb_grab_button[LSB] | xcb_segment_next[LSB] |
| xcb_change_window_attributes_checked[LSB] | xcb_grab_button_checked[LSB] | xcb_send_event[LSB] |
| xcb_char2b_end[LSB] | xcb_grab_key[LSB] | xcb_send_event_checked[LSB] |
| xcb_char2b_next[LSB] | xcb_grab_key_checked[LSB] | xcb_send_request[Libxcb 1.7] |
| xcb_charinfo_end[LSB] | xcb_grab_keyboard[LSB] | xcb_set_access_control[LSB] |
| xcb_charinfo_next[LSB] | xcb_grab_keyboard_reply[LSB] | xcb_set_access_control_checked[LSB] |
| xcb_circulate_window[LSB] | xcb_grab_keyboard_unchecked[LSB] | xcb_set_clip_rectangles[LSB] |
| xcb_circulate_window_checked[LSB] | xcb_grab_pointer[LSB] | xcb_set_clip_rectangles_checked[LSB] |
| xcb_clear_area[LSB] | xcb_grab_pointer_reply[LSB] | xcb_set_close_down_mode[LSB] |
| xcb_clear_area_checked[LSB] | xcb_grab_pointer_unchecked[LSB] | xcb_set_close_down_mode_checked[LSB] |
| xcb_client_message_data_end[LSB] | xcb_grab_server[LSB] | xcb_set_dashes[LSB] |
| xcb_client_message_data_next[LSB] | xcb_grab_server_checked[LSB] | xcb_set_dashes_checked[LSB] |
| xcb_close_font[LSB] | xcb_host_address[LSB] | xcb_set_font_path[LSB] |
| xcb_close_font_checked[LSB] | xcb_host_address_end[LSB] | xcb_set_font_path_checked[LSB] |

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| | | |
|---|---|---|
| xcb_coloritem_end[LSB] | xcb_host_address_length[LSB] | xcb_set_input_focus[LSB] |
| xcb_coloritem_next[LSB] | xcb_host_end[LSB] | xcb_set_input_focus_checked[LSB] |
| xcb_colormap_end[LSB] | xcb_host_next[LSB] | xcb_set_modifier_mapping[LSB] |
| xcb_colormap_next[LSB] | xcb_image_text_16[LSB] | xcb_set_modifier_mapping_reply[LSB] |
| xcb_configure_window[LSB] | xcb_image_text_16_checked[LSB] | xcb_set_modifier_mapping_unchecked[LSB] |
| xcb_configure_window_checked[LSB] | xcb_image_text_8[LSB] | xcb_set_pointer_mapping[LSB] |
| xcb_connect[Libxcb 1.7] | xcb_image_text_8_checked[LSB] | xcb_set_pointer_mapping_reply[LSB] |
| xcb_connect_to_display_with_auth_info[Libxcb 1.7] | xcb_install_colormap[LSB] | xcb_set_pointer_mapping_unchecked[LSB] |
| xcb_connect_to_fd[Libxcb 1.7] | xcb_install_colormap_checked[LSB] | xcb_set_screen_saver[LSB] |
| xcb_connection_has_error[Libxcb 1.7] | xcb_intern_atom[LSB] | xcb_set_screen_saver_checked[LSB] |
| xcb_convert_selection[LSB] | xcb_intern_atom_reply[LSB] | xcb_set_selection_owner[LSB] |
| xcb_convert_selection_checked[LSB] | xcb_intern_atom_unchecked[LSB] | xcb_set_selection_owner_checked[LSB] |
| xcb_copy_area[LSB] | xcb_keycode_end[LSB] | xcb_setup_authenticate_end[LSB] |
| xcb_copy_area_checked[LSB] | xcb_keycode_next[LSB] | xcb_setup_authenticate_next[LSB] |
| xcb_copy_colormap_and_free[LSB] | xcb_keysym_end[LSB] | xcb_setup_authenticate_reason[LSB] |
| xcb_copy_colormap_and_free_checked[LSB] | xcb_keysym_next[LSB] | xcb_setup_authenticate_reason_end[LSB] |
| xcb_copy_gc[LSB] | xcb_kill_client[LSB] | xcb_setup_authenticate_reason_length[LSB] |
| xcb_copy_gc_checked[LSB] | xcb_kill_client_checked[LSB] | xcb_setup_end[LSB] |
| xcb_copy_plane[LSB] | xcb_list_extensions[LSB] | xcb_setup_failed_end[LSB] |
| xcb_copy_plane_checked[LSB] | xcb_list_extensions_names_iterator[LSB] | xcb_setup_failed_next[LSB] |

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| | | |
|---|---|---|
| xcb_create_colormap[LSB] | xcb_list_extensions_names_length[LSB] | xcb_setup_failed_reason[LSB] |
| xcb_create_colormap_checked[LSB] | xcb_list_extensions_reply[LSB] | xcb_setup_failed_reason_end[LSB] |
| xcb_create_cursor[LSB] | xcb_list_extensions_unchecked[LSB] | xcb_setup_failed_reason_length[LSB] |
| xcb_create_cursor_checked[LSB] | xcb_list_fonts[LSB] | xcb_setup_next[LSB] |
| xcb_create_gc[LSB] | xcb_list_fonts_names_iterator[LSB] | xcb_setup_pixmap_formats[LSB] |
| xcb_create_gc_checked[LSB] | xcb_list_fonts_names_length[LSB] | xcb_setup_pixmap_formats_iterator[LSB] |
| xcb_create_glyph_cursor[LSB] | xcb_list_fonts_reply[LSB] | xcb_setup_pixmap_formats_length[LSB] |
| xcb_create_glyph_cursor_checked[LSB] | xcb_list_fonts_unchecked[LSB] | xcb_setup_request_authorization_protocol_data[LSB] |
| xcb_create_pixmap[LSB] | xcb_list_fonts_with_info[LSB] | xcb_setup_request_authorization_protocol_data_end[LSB] |
| xcb_create_pixmap_checked[LSB] | xcb_list_fonts_with_info_name[LSB] | xcb_setup_request_authorization_protocol_data_length[LSB] |
| xcb_create_window[LSB] | xcb_list_fonts_with_info_name_end[LSB] | xcb_setup_request_authorization_protocol_name[LSB] |
| xcb_create_window_checked[LSB] | xcb_list_fonts_with_info_name_length[LSB] | xcb_setup_request_authorization_protocol_name_end[LSB] |
| xcb_cursor_end[LSB] | xcb_list_fonts_with_info_properties[LSB] | xcb_setup_request_authorization_protocol_name_length[LSB] |
| xcb_cursor_next[LSB] | xcb_list_fonts_with_info_properties_iterator[LSB] | xcb_setup_request_end[LSB] |
| xcb_delete_property[LSB] | xcb_list_fonts_with_info_properties_length[LSB] | xcb_setup_request_next[LSB] |
| xcb_delete_property_checked[LSB] | xcb_list_fonts_with_info_reply[LSB] | xcb_setup_roots_iterator[LSB] |
| xcb_depth_end[LSB] | xcb_list_fonts_with_info_unchecked[LSB] | xcb_setup_roots_length[LSB] |
| xcb_depth_next[LSB] | xcb_list_hosts[LSB] | xcb_setup_vendor[LSB] |

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|---|---|---|
| xcb_depth_visuals[LSB] | xcb_list_hosts_hosts_iterator[LSB] | xcb_setup_vendor_end[LSB] |
| xcb_depth_visuals_iterator[LSB] | xcb_list_hosts_hosts_length[LSB] | xcb_setup_vendor_length[LSB] |
| xcb_depth_visuals_length[LSB] | xcb_list_hosts_reply[LSB] | xcb_store_colors[LSB] |
| xcb_destroy_subwindows[LSB] | xcb_list_hosts_unchecked[LSB] | xcb_store_colors_checked[LSB] |
| xcb_destroy_subwindows_checked[LSB] | xcb_list_installed_colormaps[LSB] | xcb_store_named_color[LSB] |
| xcb_destroy_window[LSB] | xcb_list_installed_colormaps_cmaps[LSB] | xcb_store_named_color_checked[LSB] |
| xcb_destroy_window_checked[LSB] | xcb_list_installed_colormaps_cmaps_end[LSB] | xcb_str_end[LSB] |
| xcb_discard_reply[LSB] | xcb_list_installed_colormaps_cmaps_length[LSB] | xcb_str_name[LSB] |
| xcb_disconnect[Libxcb 1.7] | xcb_list_installed_colormaps_reply[LSB] | xcb_str_name_end[LSB] |
| xcb_drawable_end[LSB] | xcb_list_installed_colormaps_unchecked[LSB] | xcb_str_name_length[LSB] |
| xcb_drawable_next[LSB] | xcb_list_properties[LSB] | xcb_str_next[LSB] |
| xcb_fill_poly[LSB] | xcb_list_properties_atoms[LSB] | xcb_take_socket[LSB] |
| xcb_fill_poly_checked[LSB] | xcb_list_properties_atoms_end[LSB] | xcb_timecoord_end[LSB] |
| xcb_flush[Libxcb 1.7] | xcb_list_properties_atoms_length[LSB] | xcb_timecoord_next[LSB] |
| xcb_font_end[LSB] | xcb_list_properties_reply[LSB] | xcb_timestamp_end[LSB] |
| xcb_font_next[LSB] | xcb_list_properties_unchecked[LSB] | xcb_timestamp_next[LSB] |
| xcb_fontable_end[LSB] | xcb_lookup_color[LSB] | xcb_translate_coordinates[LSB] |
| xcb_fontable_next[LSB] | xcb_lookup_color_reply[LSB] | xcb_translate_coordinates_reply[LSB] |
| xcb_fontprop_end[LSB] | xcb_lookup_color_unchecked[LSB] | xcb_translate_coordinates_unchecked[LSB] |
| xcb_fontprop_next[LSB] | xcb_map_subwindows[LSB] | xcb_ungrab_button[LSB] |

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| | | |
|---|---|---|
| xcb_force_screen_saver[LSB] | xcb_map_subwindows_checked[LSB] | xcb_ungrab_button_checked[LSB] |
| xcb_force_screen_saver_checked[LSB] | xcb_map_window[LSB] | xcb_ungrab_key[LSB] |
| xcb_format_end[LSB] | xcb_map_window_checked[LSB] | xcb_ungrab_key_checked[LSB] |
| xcb_format_next[LSB] | xcb_no_operation[LSB] | xcb_ungrab_keyboard[LSB] |
| xcb_free_colormap[LSB] | xcb_no_operation_checked[LSB] | xcb_ungrab_keyboard_checked[LSB] |
| xcb_free_colormap_checked[LSB] | xcb_open_font[LSB] | xcb_ungrab_pointer[LSB] |
| xcb_free_colors[LSB] | xcb_open_font_checked[LSB] | xcb_ungrab_pointer_checked[LSB] |
| xcb_free_colors_checked[LSB] | xcb_parse_display[Libxcb 1.7] | xcb_ungrab_server[LSB] |
| xcb_free_cursor[LSB] | xcb_pixmap_end[LSB] | xcb_ungrab_server_checked[LSB] |
| xcb_free_cursor_checked[LSB] | xcb_pixmap_next[LSB] | xcb_uninstall_colormap[LSB] |
| xcb_free_gc[LSB] | xcb_point_end[LSB] | xcb_uninstall_colormap_checked[LSB] |
| xcb_free_gc_checked[LSB] | xcb_point_next[LSB] | xcb_unmap_subwindows[LSB] |
| xcb_free_pixmap[LSB] | xcb_poll_for_event[Libxcb 1.7] | xcb_unmap_subwindows_checked[LSB] |
| xcb_free_pixmap_checked[LSB] | xcb_poll_for_reply[Libxcb 1.7] | xcb_unmap_window[LSB] |
| xcb_gcontext_end[LSB] | xcb_poly_arc[LSB] | xcb_unmap_window_checked[LSB] |
| xcb_gcontext_next[LSB] | xcb_poly_arc_checked[LSB] | xcb_visualid_end[LSB] |
| xcb_generate_id[Libxcb 1.7] | xcb_poly_fill_arc[LSB] | xcb_visualid_next[LSB] |
| xcb_get_atom_name[LSB] | xcb_poly_fill_arc_checked[LSB] | xcb_visualtype_end[LSB] |
| xcb_get_atom_name_name[LSB] | xcb_poly_fill_rectangle[LSB] | xcb_visualtype_next[LSB] |
| xcb_get_atom_name_name_end[LSB] | xcb_poly_fill_rectangle_checked[LSB] | xcb_wait_for_event[Libxcb 1.7] |
| xcb_get_atom_name_name_length[LSB] | xcb_poly_line[LSB] | xcb_wait_for_reply[Libxcb 1.7] |

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| | | |
|---|---|---|
| xcb_get_atom_name_reply[LSB] | xcb_poly_line_checked[LSB] | xcb_warp_pointer[LSB] |
| xcb_get_atom_name_unchecked[LSB] | xcb_poly_point[LSB] | xcb_warp_pointer_checked[LSB] |
| xcb_get_extension_data[Libxcb 1.7] | xcb_poly_point_checked[LSB] | xcb_window_end[LSB] |
| xcb_get_file_descriptor[Libxcb 1.7] | xcb_poly_rectangle[LSB] | xcb_window_next[LSB] |
| xcb_get_font_path[LSB] | xcb_poly_rectangle_checked[LSB] | xcb_writev[LSB] |
| xcb_get_font_path_path_iterator[LSB] | xcb_poly_segment[LSB] | xcb_xc_misc_get_version[LSB] |
| xcb_get_font_path_path_length[LSB] | xcb_poly_segment_checked[LSB] | xcb_xc_misc_get_version_reply[LSB] |
| xcb_get_font_path_reply[LSB] | xcb_poly_text_16[LSB] | xcb_xc_misc_get_version_unchecked[LSB] |
| xcb_get_font_path_unchecked[LSB] | xcb_poly_text_16_checked[LSB] | xcb_xc_misc_get_xid_list[LSB] |
| xcb_get_geometry[LSB] | xcb_poly_text_8[LSB] | xcb_xc_misc_get_xid_list_ids[LSB] |
| xcb_get_geometry_reply[LSB] | xcb_poly_text_8_checked[LSB] | xcb_xc_misc_get_xid_list_ids_end[LSB] |
| xcb_get_geometry_unchecked[LSB] | xcb_popcount[Libxcb 1.7] | xcb_xc_misc_get_xid_list_ids_length[LSB] |
| xcb_get_image[LSB] | xcb_prefetch_extension_data[Libxcb 1.7] | xcb_xc_misc_get_xid_list_reply[LSB] |
| xcb_get_image_data[LSB] | xcb_prefetch_maximum_request_length[LSB] | xcb_xc_misc_get_xid_list_unchecked[LSB] |
| xcb_get_image_data_end[LSB] | xcb_put_image[LSB] | xcb_xc_misc_get_xid_range[LSB] |
| xcb_get_image_data_length[LSB] | xcb_put_image_checked[LSB] | xcb_xc_misc_get_xid_range_reply[LSB] |
| xcb_get_image_reply[LSB] | xcb_query_best_size[LSB] | xcb_xc_misc_get_xid_range_unchecked[LSB] |
| xcb_get_image_unchecked[LSB] | xcb_query_best_size_reply[LSB] | |

**Table A-23 libxcb Data Interfaces**

| | | |
|---|---|---|
| xcb_big_requests_id[LSB] | xcb_xc_misc_id[LSB] | |

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## A.21 libQtCore

The behavior of the interfaces in this library is specified by the following Standards.

Itanium™ C++ ABI [CXXABI-1.86]
This Specification [LSB]
QtCore 4.2.0 [QtCore]

**Table A-24 libQtCore Function Interfaces**

| | | |
|---|---|---|
| _Z10qvsnprintfPcjPKcS_[QtCore] | _Z8qReallocPvj[LSB] | _ZThn8_N16QTextCodecPluginD0Ev[CXXABI-1.86] |
| _Z7qMallocj[LSB] | _Z9qsnprintfPcjPKcz[QtCore] | _ZThn8_N16QTextCodecPluginD1Ev[CXXABI-1.86] |
| _Z7qMemSetPvij[LSB] | _ZN7QString8vsprintfEPKcPc[QtCore] | _ZThn8_NK16QTextCodecPlugin4keysEv[CXXABI-1.86] |
| _Z8qMemCopyPvPKvj[LSB] | _ZThn8_N16QTextCodecPlugin6createERK7QString[CXXABI-1.86] | |

## A.22 libQtGui

The behavior of the interfaces in this library is specified by the following Standards.

Itanium™ C++ ABI [CXXABI-1.86]

**Table A-25 libQtGui Function Interfaces**

| | | |
|---|---|---|
| _ZThn12_N10QDropEventD0Ev[CXXABI-1.86] | _ZThn8_N12QTextBrowserD1Ev[CXXABI-1.86] | _ZThn8_N6QLabelD0Ev[CXXABI-1.86] |
| _ZThn12_N10QDropEventD1Ev[CXXABI-1.86] | _ZThn8_N13QErrorMessageD0Ev[CXXABI-1.86] | _ZThn8_N6QLabelD1Ev[CXXABI-1.86] |
| _ZThn12_N14QDragMoveEventD0Ev[CXXABI-1.86] | _ZThn8_N13QErrorMessageD1Ev[CXXABI-1.86] | _ZThn8_N7QDialogD0Ev[CXXABI-1.86] |
| _ZThn12_N14QDragMoveEventD1Ev[CXXABI-1.86] | _ZThn8_N13QSplashScreenD0Ev[CXXABI-1.86] | _ZThn8_N7QDialogD1Ev[CXXABI-1.86] |
| _ZThn12_N15QDragEnterEventD0Ev[CXXABI-1.86] | _ZThn8_N13QSplashScreenD1Ev[CXXABI-1.86] | _ZThn8_N7QLayout10invalidateEv[CXXABI-1.86] |
| _ZThn12_N15QDragEnterEventD1Ev[CXXABI-1.86] | _ZThn8_N14QDesktopWidgetD0Ev[CXXABI-1.86] | _ZThn8_N7QLayout6layoutEv[CXXABI-1.86] |


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| | | |
|---|---|---|
| _ZThn12_NK10QDropEvent11encodedDataEPKc[CXXABI-1.86] | _ZThn8_N14QDesktopWidgetD1Ev[CXXABI-1.86] | _ZThn8_N7QLayoutD0Ev[CXXABI-1.86] |
| _ZThn12_NK10QDropEvent6formatEi[CXXABI-1.86] | _ZThn8_N14QImageIOPluginD0Ev[CXXABI-1.86] | _ZThn8_N7QLayoutD1Ev[CXXABI-1.86] |
| _ZThn12_NK10QDropEvent8providesEPKc[CXXABI-1.86] | _ZThn8_N14QImageIOPluginD1Ev[CXXABI-1.86] | _ZThn8_N7QSliderD0Ev[CXXABI-1.86] |
| _ZThn8_N10QBoxLayout10invalidateEv[CXXABI-1.86] | _ZThn8_N14QStackedLayout11setGeometryERK5QRect[CXXABI-1.86] | _ZThn8_N7QSliderD1Ev[CXXABI-1.86] |
| _ZThn8_N10QBoxLayout11setGeometryERK5QRect[CXXABI-1.86] | _ZThn8_N14QStackedLayoutD0Ev[CXXABI-1.86] | _ZThn8_N7QTabBarD0Ev[CXXABI-1.86] |
| _ZThn8_N10QBoxLayoutD0Ev[CXXABI-1.86] | _ZThn8_N14QStackedLayoutD1Ev[CXXABI-1.86] | _ZThn8_N7QTabBarD1Ev[CXXABI-1.86] |
| _ZThn8_N10QBoxLayoutD1Ev[CXXABI-1.86] | _ZThn8_N14QStackedWidgetD0Ev[CXXABI-1.86] | _ZThn8_N7QWidgetD0Ev[CXXABI-1.86] |
| _ZThn8_N10QLCDNumberD0Ev[CXXABI-1.86] | _ZThn8_N14QStackedWidgetD1Ev[CXXABI-1.86] | _ZThn8_N7QWidgetD1Ev[CXXABI-1.86] |
| _ZThn8_N10QLCDNumberD1Ev[CXXABI-1.86] | _ZThn8_N15QAbstractButtonD0Ev[CXXABI-1.86] | _ZThn8_N8QMenuBarD0Ev[CXXABI-1.86] |
| _ZThn8_N10QScrollBarD0Ev[CXXABI-1.86] | _ZThn8_N15QAbstractButtonD1Ev[CXXABI-1.86] | _ZThn8_N8QMenuBarD1Ev[CXXABI-1.86] |
| _ZThn8_N10QScrollBarD1Ev[CXXABI-1.86] | _ZThn8_N15QAbstractSliderD0Ev[CXXABI-1.86] | _ZThn8_N8QToolBarD0Ev[CXXABI-1.86] |
| _ZThn8_N10QStatusBarD0Ev[CXXABI-1.86] | _ZThn8_N15QAbstractSliderD1Ev[CXXABI-1.86] | _ZThn8_N8QToolBarD1Ev[CXXABI-1.86] |
| _ZThn8_N10QStatusBarD1Ev[CXXABI-1.86] | _ZThn8_N15QProgressDialogD0Ev[CXXABI-1.86] | _ZThn8_N8QToolBoxD0Ev[CXXABI-1.86] |
| _ZThn8_N10QTabWidgetD0Ev[CXXABI-1.86] | _ZThn8_N15QProgressDialogD1Ev[CXXABI-1.86] | _ZThn8_N8QToolBoxD1Ev[CXXABI-1.86] |
| _ZThn8_N10QTabWidgetD1Ev[CXXABI-1.86] | _ZThn8_N15QX11EmbedWidgetD0Ev[CXXABI-1.86] | _ZThn8_N9QComboBoxD0Ev[CXXABI-1.86] |

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| | | |
|---|---|---|
| _ZThn8_N10QTableViewD0Ev[CXXABI-1.86] | _ZThn8_N15QX11EmbedWidgetD1Ev[CXXABI-1.86] | _ZThn8_N9QComboBoxD1Ev[CXXABI-1.86] |
| _ZThn8_N10QTableViewD1Ev[CXXABI-1.86] | _ZThn8_N16QAbstractSpinBoxD0Ev[CXXABI-1.86] | _ZThn8_N9QGroupBoxD0Ev[CXXABI-1.86] |
| _ZThn8_N10QWorkspaceD0Ev[CXXABI-1.86] | _ZThn8_N16QAbstractSpinBoxD1Ev[CXXABI-1.86] | _ZThn8_N9QGroupBoxD1Ev[CXXABI-1.86] |
| _ZThn8_N10QWorkspaceD1Ev[CXXABI-1.86] | _ZThn8_N17QAbstractItemViewD0Ev[CXXABI-1.86] | _ZThn8_N9QLineEditD0Ev[CXXABI-1.86] |
| _ZThn8_N11QDockWidgetD0Ev[CXXABI-1.86] | _ZThn8_N17QAbstractItemViewD1Ev[CXXABI-1.86] | _ZThn8_N9QLineEditD1Ev[CXXABI-1.86] |
| _ZThn8_N11QDockWidgetD1Ev[CXXABI-1.86] | _ZThn8_N17QAccessiblePluginD0Ev[CXXABI-1.86] | _ZThn8_N9QListViewD0Ev[CXXABI-1.86] |
| _ZThn8_N11QFileDialogD0Ev[CXXABI-1.86] | _ZThn8_N17QAccessiblePluginD1Ev[CXXABI-1.86] | _ZThn8_N9QListViewD1Ev[CXXABI-1.86] |
| _ZThn8_N11QFileDialogD1Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem10sceneEventEP6QEvent[CXXABI-1.86] | _ZThn8_N9QSizeGripD0Ev[CXXABI-1.86] |
| _ZThn8_N11QFocusFrameD0Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem12focusInEventEP11QFocusEvent[CXXABI-1.86] | _ZThn8_N9QSizeGripD1Ev[CXXABI-1.86] |
| _ZThn8_N11QFocusFrameD1Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem12setExtensionEN13QGraphicsItem9ExtensionERK8QVariant[CXXABI-1.86] | _ZThn8_N9QSplitterD0Ev[CXXABI-1.86] |
| _ZThn8_N11QFontDialogD0Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem13dragMoveEventEP27QGraphicsSceneDragDropEvent[CXXABI-1.86] | _ZThn8_N9QSplitterD1Ev[CXXABI-1.86] |
| _ZThn8_N11QFontDialogD1Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem13focusOutEventEP11QFocusEvent[CXXABI-1.86] | _ZThn8_N9QTextEditD0Ev[CXXABI-1.86] |
| _ZThn8_N11QGridLayout10invalidateEv[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem13keyPressEventEP9QKeyEvent[CXXABI-1.86] | _ZThn8_N9QTextEditD1Ev[CXXABI-1.86] |

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|---|---|---|
| _ZThn8_N11QGridLayout11setGeometryERK5QRect[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem14dragEnterEventEP27QGraphicsSceneDragDropEvent[CXXABI-1.86] | _ZThn8_N9QTreeViewD0Ev[CXXABI-1.86] |
| _ZThn8_N11QGridLayoutD0Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem14dragLeaveEventEP27QGraphicsSceneDragDropEvent[CXXABI-1.86] | _ZThn8_N9QTreeViewD1Ev[CXXABI-1.86] |
| _ZThn8_N11QGridLayoutD1Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem14hoverMoveEventEP24QGraphicsSceneHoverEvent[CXXABI-1.86] | _ZThn8_NK10QBoxLayout11maximumSizeEv[CXXABI-1.86] |
| _ZThn8_N11QHBoxLayoutD0Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem14mouseMoveEventEP24QGraphicsSceneMouseEvent[CXXABI-1.86] | _ZThn8_NK10QBoxLayout11minimumSizeEv[CXXABI-1.86] |
| _ZThn8_N11QHBoxLayoutD1Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem15hoverEnterEventEP24QGraphicsSceneHoverEvent[CXXABI-1.86] | _ZThn8_NK10QBoxLayout14heightForWidthEi[CXXABI-1.86] |
| _ZThn8_N11QHeaderViewD0Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem15hoverLeaveEventEP24QGraphicsSceneHoverEvent[CXXABI-1.86] | _ZThn8_NK10QBoxLayout17hasHeightForWidthEv[CXXABI-1.86] |
| _ZThn8_N11QHeaderViewD1Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem15keyReleaseEventEP9QKeyEvent[CXXABI-1.86] | _ZThn8_NK10QBoxLayout19expandingDirectionsEv[CXXABI-1.86] |
| _ZThn8_N11QListWidgetD0Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem15mousePressEventEP24QGraphicsSceneMouseEvent[CXXABI-1.86] | _ZThn8_NK10QBoxLayout21minimumHeightForWidthEi[CXXABI-1.86] |
| _ZThn8_N11QListWidgetD1Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem16contextMenuEventEP30QGraphicsSceneContextMenuEvent[CXXABI-1.86] | _ZThn8_NK10QBoxLayout8sizeHintEv[CXXABI-1.86] |
| _ZThn8_N11QMainWindowD0Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem16inputMethodEventEP17QInputMet | _ZThn8_NK11QGridLayout11maximumSizeEv[CXXABI-1.86] |

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|---|---|---|
| | hodEvent[CXXABI-1.86] | |
| _ZThn8_N11QMainWindowD1Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem17mouseReleaseEventEP24QGraphicsSceneMouseEvent[CXXABI-1.86] | _ZThn8_NK11QGridLayout11minimumSizeEv[CXXABI-1.86] |
| _ZThn8_N11QMessageBoxD0Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem21mouseDoubleClickEventEP24QGraphicsSceneMouseEvent[CXXABI-1.86] | _ZThn8_NK11QGridLayout14heightForWidthEi[CXXABI-1.86] |
| _ZThn8_N11QMessageBoxD1Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem5paintEP8QPainterPK24QStyleOptionGraphicsItemP7QWidget[CXXABI-1.86] | _ZThn8_NK11QGridLayout17hasHeightForWidthEv[CXXABI-1.86] |
| _ZThn8_N11QPushButtonD0Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItem9dropEventEP27QGraphicsSceneDragDropEvent[CXXABI-1.86] | _ZThn8_NK11QGridLayout19expandingDirectionsEv[CXXABI-1.86] |
| _ZThn8_N11QPushButtonD1Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItemD0Ev[CXXABI-1.86] | _ZThn8_NK11QGridLayout21minimumHeightForWidthEi[CXXABI-1.86] |
| _ZThn8_N11QRubberBandD0Ev[CXXABI-1.86] | _ZThn8_N17QGraphicsTextItemD1Ev[CXXABI-1.86] | _ZThn8_NK11QGridLayout8sizeHintEv[CXXABI-1.86] |
| _ZThn8_N11QRubberBandD1Ev[CXXABI-1.86] | _ZThn8_N17QIconEnginePluginD0Ev[CXXABI-1.86] | _ZThn8_NK14QStackedLayout11minimumSizeEv[CXXABI-1.86] |
| _ZThn8_N11QScrollAreaD0Ev[CXXABI-1.86] | _ZThn8_N17QIconEnginePluginD1Ev[CXXABI-1.86] | _ZThn8_NK14QStackedLayout8sizeHintEv[CXXABI-1.86] |
| _ZThn8_N11QScrollAreaD1Ev[CXXABI-1.86] | _ZThn8_N18QX11EmbedContainerD0Ev[CXXABI-1.86] | _ZThn8_NK17QGraphicsTextItem10opaqueAreaEv[CXXABI-1.86] |
| _ZThn8_N11QToolButtonD0Ev[CXXABI-1.86] | _ZThn8_N18QX11EmbedContainerD1Ev[CXXABI-1.86] | _ZThn8_NK17QGraphicsTextItem12boundingRectEv[CXXABI-1.86] |
| _ZThn8_N11QToolButtonD1Ev[CXXABI-1.86] | _ZThn8_N19QAbstractScrollAreaD0Ev[CXXABI-1.86] | _ZThn8_NK17QGraphicsTextItem12isObscuredByEPK13QGraphicsItem[CXXABI-1.86] |

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|---|---|---|
| _ZThn8_N11QTreeWidgetD0Ev[CXXABI-1.86] | _ZThn8_N19QAbstractScrollAreaD1Ev[CXXABI-1.86] | _ZThn8_NK17QGraphicsTextItem16inputMethodQueryEN2Qt16InputMethodQueryE[CXXABI-1.86] |
| _ZThn8_N11QTreeWidgetD1Ev[CXXABI-1.86] | _ZThn8_N19QInputContextPluginD0Ev[CXXABI-1.86] | _ZThn8_NK17QGraphicsTextItem17supportsExtensionEN13QGraphicsItem9ExtensionE[CXXABI-1.86] |
| _ZThn8_N11QVBoxLayoutD0Ev[CXXABI-1.86] | _ZThn8_N19QInputContextPluginD1Ev[CXXABI-1.86] | _ZThn8_NK17QGraphicsTextItem4typeEv[CXXABI-1.86] |
| _ZThn8_N11QVBoxLayoutD1Ev[CXXABI-1.86] | _ZThn8_N20QPictureFormatPlugin11loadPictureERK7QStringS2_P8QPicture[CXXABI-1.86] | _ZThn8_NK17QGraphicsTextItem5shapeEv[CXXABI-1.86] |
| _ZThn8_N12QColorDialogD0Ev[CXXABI-1.86] | _ZThn8_N20QPictureFormatPlugin11savePictureERK7QStringS2_RK8QPicture[CXXABI-1.86] | _ZThn8_NK17QGraphicsTextItem8containsERK7QPointF[CXXABI-1.86] |
| _ZThn8_N12QColorDialogD1Ev[CXXABI-1.86] | _ZThn8_N20QPictureFormatPluginD0Ev[CXXABI-1.86] | _ZThn8_NK17QGraphicsTextItem9extensionERK8QVariant[CXXABI-1.86] |
| _ZThn8_N12QInputDialogD0Ev[CXXABI-1.86] | _ZThn8_N20QPictureFormatPluginD1Ev[CXXABI-1.86] | _ZThn8_NK7QLayout11maximumSizeEv[CXXABI-1.86] |
| _ZThn8_N12QInputDialogD1Ev[CXXABI-1.86] | _ZThn8_N23QAccessibleBridgePluginD0Ev[CXXABI-1.86] | _ZThn8_NK7QLayout11minimumSizeEv[CXXABI-1.86] |
| _ZThn8_N12QPrintDialogD0Ev[CXXABI-1.86] | _ZThn8_N23QAccessibleBridgePluginD1Ev[CXXABI-1.86] | _ZThn8_NK7QLayout19expandingDirectionsEv[CXXABI-1.86] |
| _ZThn8_N12QPrintDialogD1Ev[CXXABI-1.86] | _ZThn8_N5QDialD0Ev[CXXABI-1.86] | _ZThn8_NK7QLayout7isEmptyEv[CXXABI-1.86] |
| _ZThn8_N12QStylePluginD0Ev[CXXABI-1.86] | _ZThn8_N5QDialD1Ev[CXXABI-1.86] | _ZThn8_NK7QLayout8geometryEv[CXXABI-1.86] |
| _ZThn8_N12QStylePluginD1Ev[CXXABI-1.86] | _ZThn8_N5QMenuD0Ev[CXXABI-1.86] | _ZThn8_NK7QWidget11paintEngineEv[CXXABI-1.86] |
| _ZThn8_N12QTableWidgetD0Ev[CXXABI-1.86] | _ZThn8_N5QMenuD1Ev[CXXABI-1.86] | _ZThn8_NK7QWidget6metricEN12QPaintDevi |

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| | | ce17PaintDeviceMetric E[CXXABI-1.86] |
| _ZThn8_N12QTableWi dgetD1Ev[CXXABI-1.86] | _ZThn8_N6QFrameD0 Ev[CXXABI-1.86] | _ZThn8_NK7QWidget7 devTypeEv[CXXABI-1.86] |
| _ZThn8_N12QTextBro wserD0Ev[CXXABI-1.86] | _ZThn8_N6QFrameD1 Ev[CXXABI-1.86] | |

## A.23 libQtOpenGL

The behavior of the interfaces in this library is specified by the following Standards.

Itanium™ C++ ABI [CXXABI-1.86]

**Table A-26 libQtOpenGL Function Interfaces**

| | | |
|---|---|---|
| _ZThn8_N9QGLWidget D0Ev[CXXABI-1.86] | _ZThn8_N9QGLWidget D1Ev[CXXABI-1.86] | _ZThn8_NK9QGLWidg et11paintEngineEv[CX XABI-1.86] |

## A.24 libQtSql

The behavior of the interfaces in this library is specified by the following Standards.

Itanium™ C++ ABI [CXXABI-1.86]

**Table A-27 libQtSql Function Interfaces**

| | | |
|---|---|---|
| _ZThn8_N16QSqlDrive rPluginD0Ev[CXXABI-1.86] | _ZThn8_N16QSqlDrive rPluginD1Ev[CXXABI-1.86] | |

## A.25 libQtSvg

The behavior of the interfaces in this library is specified by the following Standards.

Itanium™ C++ ABI [CXXABI-1.86]

**Table A-28 libQtSvg Function Interfaces**

| | | |
|---|---|---|
| _ZThn8_N10QSvgWidg etD0Ev[CXXABI-1.86] | _ZThn8_N16QGraphics SvgItem5paintEP8QPai nterPK24QStyleOption GraphicsItemP7QWidg et[CXXABI-1.86] | _ZThn8_NK16QGraphi csSvgItem4typeEv[CXX ABI-1.86] |
| _ZThn8_N10QSvgWidg etD1Ev[CXXABI-1.86] | _ZThn8_NK16QGraphi csSvgItem12boundingR ectEv[CXXABI-1.86] | |

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## A.26 libQtXml

The behavior of the interfaces in this library is specified by the following Standards.

Itanium™ C++ ABI [CXXABI-1.86]

**Table A-29 libQtXml Function Interfaces**

| | | |
|---|---|---|
| _ZThn12_N18QXmlDefaultHandler13resolveEntityERK7QStringS2_RP15QXmlInputSource[CXXABI-1.86] | _ZThn16_N18QXmlDefaultHandler8startDTDERK7QStringS2_S2_[CXXABI-1.86] | _ZThn4_N18QXmlDefaultHandler10fatalErrorERK18QXmlParseException[CXXABI-1.86] |
| _ZThn12_NK18QXmlDefaultHandler11errorStringEv[CXXABI-1.86] | _ZThn16_N18QXmlDefaultHandler9endEntityERK7QString[CXXABI-1.86] | _ZThn4_N18QXmlDefaultHandler5errorERK18QXmlParseException[CXXABI-1.86] |
| _ZThn16_N18QXmlDefaultHandler10startCDATAEv[CXXABI-1.86] | _ZThn16_NK18QXmlDefaultHandler11errorStringEv[CXXABI-1.86] | _ZThn4_N18QXmlDefaultHandler7warningERK18QXmlParseException[CXXABI-1.86] |
| _ZThn16_N18QXmlDefaultHandler11startEntityERK7QString[CXXABI-1.86] | _ZThn20_N18QXmlDefaultHandler13attributeDeclERK7QStringS2_S2_S2_S2_[CXXABI-1.86] | _ZThn4_NK18QXmlDefaultHandler11errorStringEv[CXXABI-1.86] |
| _ZThn16_N18QXmlDefaultHandler6endDTDEv[CXXABI-1.86] | _ZThn20_N18QXmlDefaultHandler18externalEntityDeclERK7QStringS2_S2_[CXXABI-1.86] | _ZThn8_N18QXmlDefaultHandler12notationDeclERK7QStringS2_S2_[CXXABI-1.86] |
| _ZThn16_N18QXmlDefaultHandler7commentERK7QString[CXXABI-1.86] | _ZThn20_N18QXmlDefaultHandler18internalEntityDeclERK7QStringS2_[CXXABI-1.86] | _ZThn8_N18QXmlDefaultHandler18unparsedEntityDeclERK7QStringS2_S2_S2_[CXXABI-1.86] |
| _ZThn16_N18QXmlDefaultHandler8endCDATAEv[CXXABI-1.86] | _ZThn20_NK18QXmlDefaultHandler11errorStringEv[CXXABI-1.86] | _ZThn8_NK18QXmlDefaultHandler11errorStringEv[CXXABI-1.86] |

## A.27 libasound

The behavior of the interfaces in this library is specified by the following Standards.

ALSA Library API Reference [ALSA]

**Table A-30 libasound Function Interfaces**

| | | |
|---|---|---|
| snd_asoundlib_version(ALSA_0.9)[ALSA] | snd_mixer_elem_prev(ALSA_0.9)[ALSA] | snd_pcm_status_dump(ALSA_0.9)[ALSA] |
| snd_async_add_ctl_handler(ALSA_0.9)[ALSA] | snd_mixer_elem_set_callback(ALSA_0.9)[ALSA] | snd_pcm_status_free(ALSA_0.9)[ALSA] |

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|---|---|---|
| snd_async_add_handler(ALSA_0.9)[ALSA] | snd_mixer_elem_set_callback_private(ALSA_0.9)[ALSA] | snd_pcm_status_get_avail(ALSA_0.9)[ALSA] |
| snd_async_add_pcm_handler(ALSA_0.9)[ALSA] | snd_mixer_find_selem(ALSA_0.9)[ALSA] | snd_pcm_status_get_avail_max(ALSA_0.9)[ALSA] |
| snd_async_del_handler(ALSA_0.9)[ALSA] | snd_mixer_first_elem(ALSA_0.9)[ALSA] | snd_pcm_status_get_delay(ALSA_0.9)[ALSA] |
| snd_async_handler_get_callback_private(ALSA_0.9)[ALSA] | snd_mixer_free(ALSA_0.9)[ALSA] | snd_pcm_status_get_state(ALSA_0.9)[ALSA] |
| snd_async_handler_get_ctl(ALSA_0.9)[ALSA] | snd_mixer_get_callback_private(ALSA_0.9)[ALSA] | snd_pcm_status_get_trigger_tstamp(ALSA_0.9)[ALSA] |
| snd_async_handler_get_pcm(ALSA_0.9)[ALSA] | snd_mixer_get_count(ALSA_0.9)[ALSA] | snd_pcm_status_get_tstamp(ALSA_0.9)[ALSA] |
| snd_card_get_index(ALSA_0.9)[ALSA] | snd_mixer_handle_events(ALSA_0.9)[ALSA] | snd_pcm_status_malloc(ALSA_0.9)[ALSA] |
| snd_card_get_longname(ALSA_0.9)[ALSA] | snd_mixer_last_elem(ALSA_0.9)[ALSA] | snd_pcm_status_sizeof(ALSA_0.9)[ALSA] |
| snd_card_get_name(ALSA_0.9)[ALSA] | snd_mixer_load(ALSA_0.9)[ALSA] | snd_pcm_stream(ALSA_0.9)[ALSA] |
| snd_card_load(ALSA_0.9)[ALSA] | snd_mixer_open(ALSA_0.9)[ALSA] | snd_pcm_stream_name(ALSA_0.9)[ALSA] |
| snd_card_next(ALSA_0.9)[ALSA] | snd_mixer_poll_descriptors(ALSA_0.9)[ALSA] | snd_pcm_sw_params(ALSA_0.9)[ALSA] |
| snd_config_add(ALSA_0.9)[ALSA] | snd_mixer_poll_descriptors_count(ALSA_0.9)[ALSA] | snd_pcm_sw_params_copy(ALSA_0.9)[ALSA] |
| snd_config_copy(ALSA_0.9)[ALSA] | snd_mixer_poll_descriptors_revents(ALSA_0.9)[ALSA] | snd_pcm_sw_params_current(ALSA_0.9)[ALSA] |
| snd_config_delete(ALSA_0.9)[ALSA] | snd_mixer_selem_channel_name(ALSA_0.9)[ALSA] | snd_pcm_sw_params_dump(ALSA_0.9)[ALSA] |
| snd_config_get_ascii(ALSA_0.9)[ALSA] | snd_mixer_selem_get_capture_group(ALSA_0.9)[ALSA] | snd_pcm_sw_params_free(ALSA_0.9)[ALSA] |
| snd_config_get_id(ALSA_0.9)[ALSA] | snd_mixer_selem_get_capture_switch(ALSA_0.9)[ALSA] | snd_pcm_sw_params_get_avail_min(ALSA_0.9.0rc4)[ALSA] |
| snd_config_get_integer(ALSA_0.9)[ALSA] | snd_mixer_selem_get_capture_volume(ALSA_0.9)[ALSA] | snd_pcm_sw_params_get_boundary(ALSA_0.9)[ALSA] |

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|---|---|---|
| snd_config_get_integer64(ALSA_0.9)[ALSA] | snd_mixer_selem_get_capture_volume_range(ALSA_0.9)[ALSA] | snd_pcm_sw_params_get_silence_size(ALSA_0.9.0rc4)[ALSA] |
| snd_config_get_string(ALSA_0.9)[ALSA] | snd_mixer_selem_get_enum_item(ALSA_0.9)[ALSA] | snd_pcm_sw_params_get_silence_threshold(ALSA_0.9.0rc4)[ALSA] |
| snd_config_get_type(ALSA_0.9)[ALSA] | snd_mixer_selem_get_enum_item_name(ALSA_0.9)[ALSA] | snd_pcm_sw_params_get_start_threshold(ALSA_0.9.0rc4)[ALSA] |
| snd_config_imake_integer(ALSA_0.9)[ALSA] | snd_mixer_selem_get_enum_items(ALSA_0.9)[ALSA] | snd_pcm_sw_params_get_stop_threshold(ALSA_0.9.0rc4)[ALSA] |
| snd_config_imake_integer64(ALSA_0.9)[ALSA] | snd_mixer_selem_get_id(ALSA_0.9)[ALSA] | snd_pcm_sw_params_get_tstamp_mode(ALSA_0.9.0rc4)[ALSA] |
| snd_config_imake_string(ALSA_0.9)[ALSA] | snd_mixer_selem_get_index(ALSA_0.9)[ALSA] | snd_pcm_sw_params_malloc(ALSA_0.9)[ALSA] |
| snd_config_iterator_end(ALSA_0.9)[ALSA] | snd_mixer_selem_get_name(ALSA_0.9)[ALSA] | snd_pcm_sw_params_set_avail_min(ALSA_0.9)[ALSA] |
| snd_config_iterator_entry(ALSA_0.9)[ALSA] | snd_mixer_selem_get_playback_switch(ALSA_0.9)[ALSA] | snd_pcm_sw_params_set_silence_size(ALSA_0.9)[ALSA] |
| snd_config_iterator_first(ALSA_0.9)[ALSA] | snd_mixer_selem_get_playback_volume(ALSA_0.9)[ALSA] | snd_pcm_sw_params_set_silence_threshold(ALSA_0.9)[ALSA] |
| snd_config_iterator_next(ALSA_0.9)[ALSA] | snd_mixer_selem_get_playback_volume_range(ALSA_0.9)[ALSA] | snd_pcm_sw_params_set_start_threshold(ALSA_0.9)[ALSA] |
| snd_config_load(ALSA_0.9)[ALSA] | snd_mixer_selem_has_capture_channel(ALSA_0.9)[ALSA] | snd_pcm_sw_params_set_stop_threshold(ALSA_0.9)[ALSA] |
| snd_config_make_compound(ALSA_0.9)[ALSA] | snd_mixer_selem_has_capture_switch(ALSA_0.9)[ALSA] | snd_pcm_sw_params_set_tstamp_mode(ALSA_0.9)[ALSA] |
| snd_config_make_integer(ALSA_0.9)[ALSA] | snd_mixer_selem_has_capture_switch_exclusive(ALSA_0.9)[ALSA] | snd_pcm_sw_params_set_xfer_align(ALSA_0.9)[ALSA] |
| snd_config_make_integer64(ALSA_0.9)[ALSA] | snd_mixer_selem_has_capture_switch_joined(ALSA_0.9)[ALSA] | snd_pcm_sw_params_sizeof(ALSA_0.9)[ALSA] |
| snd_config_make_string(ALSA_0.9)[ALSA] | snd_mixer_selem_has_capture_volume(ALSA_0.9)[ALSA] | snd_pcm_type(ALSA_0.9)[ALSA] |

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|---|---|---|
| snd_config_save(ALSA_0.9)[ALSA] | snd_mixer_selem_has_capture_volume_joined(ALSA_0.9)[ALSA] | snd_pcm_type_name(ALSA_0.9.0)[ALSA] |
| snd_config_search(ALSA_0.9)[ALSA] | snd_mixer_selem_has_common_switch(ALSA_0.9)[ALSA] | snd_pcm_unlink(ALSA_0.9)[ALSA] |
| snd_config_searchv(ALSA_0.9)[ALSA] | snd_mixer_selem_has_common_volume(ALSA_0.9)[ALSA] | snd_pcm_wait(ALSA_0.9)[ALSA] |
| snd_config_set_ascii(ALSA_0.9)[ALSA] | snd_mixer_selem_has_playback_channel(ALSA_0.9)[ALSA] | snd_pcm_writei(ALSA_0.9)[ALSA] |
| snd_config_set_integer(ALSA_0.9)[ALSA] | snd_mixer_selem_has_playback_switch(ALSA_0.9)[ALSA] | snd_pcm_writen(ALSA_0.9)[ALSA] |
| snd_config_set_integer64(ALSA_0.9)[ALSA] | snd_mixer_selem_has_playback_switch_joined(ALSA_0.9)[ALSA] | snd_rawmidi_close(ALSA_0.9)[ALSA] |
| snd_config_set_string(ALSA_0.9)[ALSA] | snd_mixer_selem_has_playback_volume(ALSA_0.9)[ALSA] | snd_rawmidi_drain(ALSA_0.9)[ALSA] |
| snd_config_top(ALSA_0.9)[ALSA] | snd_mixer_selem_has_playback_volume_joined(ALSA_0.9)[ALSA] | snd_rawmidi_drop(ALSA_0.9)[ALSA] |
| snd_config_update(ALSA_0.9)[ALSA] | snd_mixer_selem_id_copy(ALSA_0.9)[ALSA] | snd_rawmidi_info(ALSA_0.9)[ALSA] |
| snd_config_update_free_global(ALSA_0.9)[ALSA] | snd_mixer_selem_id_free(ALSA_0.9)[ALSA] | snd_rawmidi_info_copy(ALSA_0.9)[ALSA] |
| snd_ctl_card_info(ALSA_0.9)[ALSA] | snd_mixer_selem_id_get_index(ALSA_0.9)[ALSA] | snd_rawmidi_info_free(ALSA_0.9)[ALSA] |
| snd_ctl_card_info_clear(ALSA_0.9)[ALSA] | snd_mixer_selem_id_get_name(ALSA_0.9)[ALSA] | snd_rawmidi_info_get_card(ALSA_0.9)[ALSA] |
| snd_ctl_card_info_copy(ALSA_0.9)[ALSA] | snd_mixer_selem_id_malloc(ALSA_0.9)[ALSA] | snd_rawmidi_info_get_device(ALSA_0.9)[ALSA] |
| snd_ctl_card_info_free(ALSA_0.9)[ALSA] | snd_mixer_selem_id_set_index(ALSA_0.9)[ALSA] | snd_rawmidi_info_get_flags(ALSA_0.9)[ALSA] |
| snd_ctl_card_info_get_components(ALSA_0.9)[ALSA] | snd_mixer_selem_id_set_name(ALSA_0.9)[ALSA] | snd_rawmidi_info_get_id(ALSA_0.9)[ALSA] |

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| snd_ctl_card_info_get_driver(ALSA_0.9)[ALSA] | snd_mixer_selem_id_sizeof(ALSA_0.9)[ALSA] | snd_rawmidi_info_get_name(ALSA_0.9)[ALSA] |
| snd_ctl_card_info_get_id(ALSA_0.9)[ALSA] | snd_mixer_selem_is_active(ALSA_0.9)[ALSA] | snd_rawmidi_info_get_stream(ALSA_0.9)[ALSA] |
| snd_ctl_card_info_get_longname(ALSA_0.9)[ALSA] | snd_mixer_selem_is_capture_mono(ALSA_0.9)[ALSA] | snd_rawmidi_info_get_subdevice(ALSA_0.9)[ALSA] |
| snd_ctl_card_info_get_mixername(ALSA_0.9)[ALSA] | snd_mixer_selem_is_enum_capture(ALSA_0.9)[ALSA] | snd_rawmidi_info_get_subdevice_name(ALSA_0.9)[ALSA] |
| snd_ctl_card_info_get_name(ALSA_0.9)[ALSA] | snd_mixer_selem_is_enum_playback(ALSA_0.9)[ALSA] | snd_rawmidi_info_get_subdevices_avail(ALSA_0.9)[ALSA] |
| snd_ctl_card_info_malloc(ALSA_0.9)[ALSA] | snd_mixer_selem_is_enumerated(ALSA_0.9)[ALSA] | snd_rawmidi_info_get_subdevices_count(ALSA_0.9)[ALSA] |
| snd_ctl_card_info_sizeof(ALSA_0.9)[ALSA] | snd_mixer_selem_is_playback_mono(ALSA_0.9)[ALSA] | snd_rawmidi_info_malloc(ALSA_0.9)[ALSA] |
| snd_ctl_close(ALSA_0.9)[ALSA] | snd_mixer_selem_register(ALSA_0.9)[ALSA] | snd_rawmidi_info_set_device(ALSA_0.9)[ALSA] |
| snd_ctl_elem_add_boolean(ALSA_0.9)[ALSA] | snd_mixer_selem_set_capture_switch(ALSA_0.9)[ALSA] | snd_rawmidi_info_set_stream(ALSA_0.9)[ALSA] |
| snd_ctl_elem_add_iec958(ALSA_0.9)[ALSA] | snd_mixer_selem_set_capture_switch_all(ALSA_0.9)[ALSA] | snd_rawmidi_info_set_subdevice(ALSA_0.9)[ALSA] |
| snd_ctl_elem_add_integer(ALSA_0.9)[ALSA] | snd_mixer_selem_set_capture_volume(ALSA_0.9)[ALSA] | snd_rawmidi_info_sizeof(ALSA_0.9)[ALSA] |
| snd_ctl_elem_id_clear(ALSA_0.9)[ALSA] | snd_mixer_selem_set_capture_volume_all(ALSA_0.9)[ALSA] | snd_rawmidi_nonblock(ALSA_0.9)[ALSA] |
| snd_ctl_elem_id_copy(ALSA_0.9)[ALSA] | snd_mixer_selem_set_capture_volume_range(ALSA_0.9)[ALSA] | snd_rawmidi_open(ALSA_0.9)[ALSA] |
| snd_ctl_elem_id_free(ALSA_0.9)[ALSA] | snd_mixer_selem_set_enum_item(ALSA_0.9)[ALSA] | snd_rawmidi_poll_descriptors(ALSA_0.9)[ALSA] |
| snd_ctl_elem_id_get_device(ALSA_0.9)[ALSA] | snd_mixer_selem_set_playback_switch(ALSA_0.9)[ALSA] | snd_rawmidi_poll_descriptors_count(ALSA_0.9)[ALSA] |

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| snd_ctl_elem_id_get_index(ALSA_0.9)[ALSA] | snd_mixer_selem_set_playback_switch_all(ALSA_0.9)[ALSA] | snd_rawmidi_poll_descriptors_revents(ALSA_0.9)[ALSA] |
| snd_ctl_elem_id_get_interface(ALSA_0.9)[ALSA] | snd_mixer_selem_set_playback_volume(ALSA_0.9)[ALSA] | snd_rawmidi_read(ALSA_0.9)[ALSA] |
| snd_ctl_elem_id_get_name(ALSA_0.9)[ALSA] | snd_mixer_selem_set_playback_volume_all(ALSA_0.9)[ALSA] | snd_rawmidi_write(ALSA_0.9)[ALSA] |
| snd_ctl_elem_id_get_numid(ALSA_0.9)[ALSA] | snd_mixer_selem_set_playback_volume_range(ALSA_0.9)[ALSA] | snd_seq_alloc_named_queue(ALSA_0.9)[ALSA] |
| snd_ctl_elem_id_get_subdevice(ALSA_0.9)[ALSA] | snd_mixer_set_callback(ALSA_0.9)[ALSA] | snd_seq_alloc_queue(ALSA_0.9)[ALSA] |
| snd_ctl_elem_id_malloc(ALSA_0.9)[ALSA] | snd_mixer_set_callback_private(ALSA_0.9)[ALSA] | snd_seq_client_id(ALSA_0.9)[ALSA] |
| snd_ctl_elem_id_set_device(ALSA_0.9)[ALSA] | snd_mixer_wait(ALSA_0.9)[ALSA] | snd_seq_client_info_copy(ALSA_0.9)[ALSA] |
| snd_ctl_elem_id_set_index(ALSA_0.9)[ALSA] | snd_output_buffer_open(ALSA_0.9)[ALSA] | snd_seq_client_info_free(ALSA_0.9)[ALSA] |
| snd_ctl_elem_id_set_interface(ALSA_0.9)[ALSA] | snd_output_buffer_string(ALSA_0.9)[ALSA] | snd_seq_client_info_get_client(ALSA_0.9)[ALSA] |
| snd_ctl_elem_id_set_name(ALSA_0.9)[ALSA] | snd_output_close(ALSA_0.9)[ALSA] | snd_seq_client_info_get_name(ALSA_0.9)[ALSA] |
| snd_ctl_elem_id_set_numid(ALSA_0.9)[ALSA] | snd_output_putc(ALSA_0.9)[ALSA] | snd_seq_client_info_get_num_ports(ALSA_0.9)[ALSA] |
| snd_ctl_elem_id_set_subdevice(ALSA_0.9)[ALSA] | snd_output_puts(ALSA_0.9)[ALSA] | snd_seq_client_info_get_type(ALSA_0.9)[ALSA] |
| snd_ctl_elem_id_sizeof(ALSA_0.9)[ALSA] | snd_output_stdio_attach(ALSA_0.9)[ALSA] | snd_seq_client_info_malloc(ALSA_0.9)[ALSA] |
| snd_ctl_elem_iface_name(ALSA_0.9)[ALSA] | snd_output_stdio_open(ALSA_0.9)[ALSA] | snd_seq_client_info_set_client(ALSA_0.9)[ALSA] |
| snd_ctl_elem_info(ALSA_0.9)[ALSA] | snd_pcm_access_mask_any(ALSA_0.9)[ALSA] | snd_seq_client_info_set_name(ALSA_0.9)[ALSA] |
| snd_ctl_elem_info_clear(ALSA_0.9)[ALSA] | snd_pcm_access_mask_copy(ALSA_0.9)[ALSA] | snd_seq_client_info_sizeof(ALSA_0.9)[ALSA] |

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| snd_ctl_elem_info_copy (ALSA_0.9)[ALSA] | snd_pcm_access_mask_ free(ALSA_0.9)[ALSA] | snd_seq_close(ALSA_0. 9)[ALSA] |
| snd_ctl_elem_info_free( ALSA_0.9)[ALSA] | snd_pcm_access_mask_ malloc(ALSA_0.9)[ALS A] | snd_seq_connect_from( ALSA_0.9)[ALSA] |
| snd_ctl_elem_info_get_ count(ALSA_0.9)[ALSA ] | snd_pcm_access_mask_ none(ALSA_0.9)[ALSA] | snd_seq_connect_to(AL SA_0.9)[ALSA] |
| snd_ctl_elem_info_get_i d(ALSA_0.9)[ALSA] | snd_pcm_access_mask_ set(ALSA_0.9)[ALSA] | snd_seq_control_queue (ALSA_0.9)[ALSA] |
| snd_ctl_elem_info_get_i tem_name(ALSA_0.9)[ ALSA] | snd_pcm_access_mask_ sizeof(ALSA_0.9)[ALSA ] | snd_seq_create_port(A LSA_0.9)[ALSA] |
| snd_ctl_elem_info_get_i tems(ALSA_0.9)[ALSA] | snd_pcm_access_mask_ test(ALSA_0.9)[ALSA] | snd_seq_create_simple_ port(ALSA_0.9)[ALSA] |
| snd_ctl_elem_info_get_ max(ALSA_0.9)[ALSA] | snd_pcm_access_name( ALSA_0.9)[ALSA] | snd_seq_delete_port(A LSA_0.9)[ALSA] |
| snd_ctl_elem_info_get_ max64(ALSA_0.9)[ALS A] | snd_pcm_area_copy(A LSA_0.9)[ALSA] | snd_seq_delete_simple_ port(ALSA_0.9)[ALSA] |
| snd_ctl_elem_info_get_ min(ALSA_0.9)[ALSA] | snd_pcm_area_silence( ALSA_0.9)[ALSA] | snd_seq_disconnect_fro m(ALSA_0.9)[ALSA] |
| snd_ctl_elem_info_get_ min64(ALSA_0.9)[ALS A] | snd_pcm_areas_copy(A LSA_0.9)[ALSA] | snd_seq_disconnect_to( ALSA_0.9)[ALSA] |
| snd_ctl_elem_info_get_ name(ALSA_0.9)[ALSA ] | snd_pcm_areas_silence( ALSA_0.9)[ALSA] | snd_seq_drain_output( ALSA_0.9)[ALSA] |
| snd_ctl_elem_info_get_ numid(ALSA_0.9)[ALS A] | snd_pcm_avail_update( ALSA_0.9)[ALSA] | snd_seq_drop_output( ALSA_0.9)[ALSA] |
| snd_ctl_elem_info_get_ step(ALSA_0.9)[ALSA] | snd_pcm_build_linear_ format(ALSA_0.9)[ALS A] | snd_seq_drop_output_ buffer(ALSA_0.9)[ALS A] |
| snd_ctl_elem_info_get_ step64(ALSA_0.9)[ALS A] | snd_pcm_bytes_to_fra mes(ALSA_0.9)[ALSA] | snd_seq_event_input(A LSA_0.9)[ALSA] |
| snd_ctl_elem_info_get_ type(ALSA_0.9)[ALSA] | snd_pcm_bytes_to_sam ples(ALSA_0.9)[ALSA] | snd_seq_event_input_p ending(ALSA_0.9)[ALS A] |
| snd_ctl_elem_info_is_in active(ALSA_0.9)[ALSA ] | snd_pcm_close(ALSA_ 0.9)[ALSA] | snd_seq_event_length( ALSA_0.9)[ALSA] |
| snd_ctl_elem_info_is_lo cked(ALSA_0.9)[ALSA] | snd_pcm_delay(ALSA_ 0.9)[ALSA] | snd_seq_event_output( ALSA_0.9)[ALSA] |

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| snd_ctl_elem_info_is_readable(ALSA_0.9)[ALSA] | snd_pcm_drain(ALSA_0.9)[ALSA] | snd_seq_event_output_direct(ALSA_0.9)[ALSA] |
| snd_ctl_elem_info_is_user(ALSA_0.9)[ALSA] | snd_pcm_drop(ALSA_0.9)[ALSA] | snd_seq_free_event(ALSA_0.9)[ALSA] |
| snd_ctl_elem_info_is_volatile(ALSA_0.9)[ALSA] | snd_pcm_dump(ALSA_0.9)[ALSA] | snd_seq_free_queue(ALSA_0.9)[ALSA] |
| snd_ctl_elem_info_is_writable(ALSA_0.9)[ALSA] | snd_pcm_format_big_endian(ALSA_0.9)[ALSA] | snd_seq_get_any_client_info(ALSA_0.9)[ALSA] |
| snd_ctl_elem_info_malloc(ALSA_0.9)[ALSA] | snd_pcm_format_cpu_endian(ALSA_0.9)[ALSA] | snd_seq_get_any_port_info(ALSA_0.9)[ALSA] |
| snd_ctl_elem_info_set_id(ALSA_0.9)[ALSA] | snd_pcm_format_description(ALSA_0.9)[ALSA] | snd_seq_get_client_info(ALSA_0.9)[ALSA] |
| snd_ctl_elem_info_set_item(ALSA_0.9)[ALSA] | snd_pcm_format_float(ALSA_0.9)[ALSA] | snd_seq_get_input_buffer_size(ALSA_0.9)[ALSA] |
| snd_ctl_elem_info_sizeof(ALSA_0.9)[ALSA] | snd_pcm_format_linear(ALSA_0.9)[ALSA] | snd_seq_get_output_buffer_size(ALSA_0.9)[ALSA] |
| snd_ctl_elem_list(ALSA_0.9)[ALSA] | snd_pcm_format_little_endian(ALSA_0.9)[ALSA] | snd_seq_get_port_info(ALSA_0.9)[ALSA] |
| snd_ctl_elem_list_alloc_space(ALSA_0.9)[ALSA] | snd_pcm_format_mask_any(ALSA_0.9)[ALSA] | snd_seq_get_port_subscription(ALSA_0.9)[ALSA] |
| snd_ctl_elem_list_clear(ALSA_0.9)[ALSA] | snd_pcm_format_mask_copy(ALSA_0.9)[ALSA] | snd_seq_get_queue_status(ALSA_0.9)[ALSA] |
| snd_ctl_elem_list_copy(ALSA_0.9)[ALSA] | snd_pcm_format_mask_free(ALSA_0.9)[ALSA] | snd_seq_get_queue_tempo(ALSA_0.9)[ALSA] |
| snd_ctl_elem_list_free(ALSA_0.9)[ALSA] | snd_pcm_format_mask_malloc(ALSA_0.9)[ALSA] | snd_seq_nonblock(ALSA_0.9)[ALSA] |
| snd_ctl_elem_list_free_space(ALSA_0.9)[ALSA] | snd_pcm_format_mask_none(ALSA_0.9)[ALSA] | snd_seq_open(ALSA_0.9)[ALSA] |
| snd_ctl_elem_list_get_count(ALSA_0.9)[ALSA] | snd_pcm_format_mask_set(ALSA_0.9)[ALSA] | snd_seq_parse_address(ALSA_0.9)[ALSA] |
| snd_ctl_elem_list_get_id(ALSA_0.9)[ALSA] | snd_pcm_format_mask_sizeof(ALSA_0.9)[ALSA] | snd_seq_poll_descriptors(ALSA_0.9)[ALSA] |

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| snd_ctl_elem_list_get_name(ALSA_0.9)[ALSA] | snd_pcm_format_mask_test(ALSA_0.9)[ALSA] | snd_seq_poll_descriptors_count(ALSA_0.9)[ALSA] |
| snd_ctl_elem_list_get_used(ALSA_0.9)[ALSA] | snd_pcm_format_name(ALSA_0.9)[ALSA] | snd_seq_poll_descriptors_revents(ALSA_0.9)[ALSA] |
| snd_ctl_elem_list_malloc(ALSA_0.9)[ALSA] | snd_pcm_format_physical_width(ALSA_0.9)[ALSA] | snd_seq_port_info_copy(ALSA_0.9)[ALSA] |
| snd_ctl_elem_list_set_offset(ALSA_0.9)[ALSA] | snd_pcm_format_set_silence(ALSA_0.9)[ALSA] | snd_seq_port_info_free(ALSA_0.9)[ALSA] |
| snd_ctl_elem_list_sizeof(ALSA_0.9)[ALSA] | snd_pcm_format_signed(ALSA_0.9)[ALSA] | snd_seq_port_info_get_addr(ALSA_0.9)[ALSA] |
| snd_ctl_elem_read(ALSA_0.9)[ALSA] | snd_pcm_format_size(ALSA_0.9)[ALSA] | snd_seq_port_info_get_capability(ALSA_0.9)[ALSA] |
| snd_ctl_elem_remove(ALSA_0.9)[ALSA] | snd_pcm_format_unsigned(ALSA_0.9)[ALSA] | snd_seq_port_info_get_client(ALSA_0.9)[ALSA] |
| snd_ctl_elem_type_name(ALSA_0.9)[ALSA] | snd_pcm_format_value(ALSA_0.9)[ALSA] | snd_seq_port_info_get_name(ALSA_0.9)[ALSA] |
| snd_ctl_elem_value_clear(ALSA_0.9)[ALSA] | snd_pcm_format_width(ALSA_0.9)[ALSA] | snd_seq_port_info_get_port(ALSA_0.9)[ALSA] |
| snd_ctl_elem_value_copy(ALSA_0.9)[ALSA] | snd_pcm_forward(ALSA_0.9.0rc8)[ALSA] | snd_seq_port_info_get_type(ALSA_0.9)[ALSA] |
| snd_ctl_elem_value_free(ALSA_0.9)[ALSA] | snd_pcm_frames_to_bytes(ALSA_0.9)[ALSA] | snd_seq_port_info_malloc(ALSA_0.9)[ALSA] |
| snd_ctl_elem_value_get_boolean(ALSA_0.9)[ALSA] | snd_pcm_hw_free(ALSA_0.9)[ALSA] | snd_seq_port_info_set_capability(ALSA_0.9)[ALSA] |
| snd_ctl_elem_value_get_byte(ALSA_0.9)[ALSA] | snd_pcm_hw_params(ALSA_0.9)[ALSA] | snd_seq_port_info_set_client(ALSA_0.9)[ALSA] |
| snd_ctl_elem_value_get_bytes(ALSA_0.9)[ALSA] | snd_pcm_hw_params_any(ALSA_0.9)[ALSA] | snd_seq_port_info_set_midi_channels(ALSA_0.9)[ALSA] |
| snd_ctl_elem_value_get_enumerated(ALSA_0.9)[ALSA] | snd_pcm_hw_params_can_mmap_sample_resolution(ALSA_0.9)[ALSA] | snd_seq_port_info_set_name(ALSA_0.9)[ALSA] |
| snd_ctl_elem_value_get_id(ALSA_0.9)[ALSA] | snd_pcm_hw_params_can_pause(ALSA_0.9)[ALSA] | snd_seq_port_info_set_port(ALSA_0.9)[ALSA] |

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| snd_ctl_elem_value_get_iec958(ALSA_0.9)[ALSA] | snd_pcm_hw_params_can_resume(ALSA_0.9)[ALSA] | snd_seq_port_info_set_port_specified(ALSA_0.9)[ALSA] |
| snd_ctl_elem_value_get_integer(ALSA_0.9)[ALSA] | snd_pcm_hw_params_can_sync_start(ALSA_0.9)[ALSA] | snd_seq_port_info_set_timestamp_queue(ALSA_0.9)[ALSA] |
| snd_ctl_elem_value_get_integer64(ALSA_0.9)[ALSA] | snd_pcm_hw_params_copy(ALSA_0.9)[ALSA] | snd_seq_port_info_set_timestamp_real(ALSA_0.9)[ALSA] |
| snd_ctl_elem_value_malloc(ALSA_0.9)[ALSA] | snd_pcm_hw_params_current(ALSA_0.9)[ALSA] | snd_seq_port_info_set_timestamping(ALSA_0.9)[ALSA] |
| snd_ctl_elem_value_set_boolean(ALSA_0.9)[ALSA] | snd_pcm_hw_params_dump(ALSA_0.9)[ALSA] | snd_seq_port_info_set_type(ALSA_0.9)[ALSA] |
| snd_ctl_elem_value_set_byte(ALSA_0.9)[ALSA] | snd_pcm_hw_params_free(ALSA_0.9)[ALSA] | snd_seq_port_info_sizeof(ALSA_0.9)[ALSA] |
| snd_ctl_elem_value_set_enumerated(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_access(ALSA_0.9.0rc4)[ALSA] | snd_seq_port_subscribe_copy(ALSA_0.9)[ALSA] |
| snd_ctl_elem_value_set_id(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_access_mask(ALSA_0.9)[ALSA] | snd_seq_port_subscribe_free(ALSA_0.9)[ALSA] |
| snd_ctl_elem_value_set_iec958(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_buffer_size(ALSA_0.9.0rc4)[ALSA] | snd_seq_port_subscribe_get_dest(ALSA_0.9)[ALSA] |
| snd_ctl_elem_value_set_integer(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_buffer_size_max(ALSA_0.9.0rc4)[ALSA] | snd_seq_port_subscribe_get_exclusive(ALSA_0.9)[ALSA] |
| snd_ctl_elem_value_set_integer64(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_buffer_size_min(ALSA_0.9.0rc4)[ALSA] | snd_seq_port_subscribe_get_queue(ALSA_0.9)[ALSA] |
| snd_ctl_elem_value_sizeof(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_buffer_time(ALSA_0.9.0rc4)[ALSA] | snd_seq_port_subscribe_get_sender(ALSA_0.9)[ALSA] |
| snd_ctl_elem_write(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_buffer_time_max(ALSA_0.9.0rc4)[ALSA] | snd_seq_port_subscribe_get_time_real(ALSA_0.9)[ALSA] |
| snd_ctl_event_clear(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_buffer_time_min(ALSA_0.9.0rc4)[ALSA] | snd_seq_port_subscribe_get_time_update(ALSA_0.9)[ALSA] |
| snd_ctl_event_copy(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_channels(ALSA_0.9.0rc4)[ALSA] | snd_seq_port_subscribe_malloc(ALSA_0.9)[ALSA] |

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| snd_ctl_event_elem_get_id(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_channels_max(ALSA_0.9.0rc4)[ALSA] | snd_seq_port_subscribe_set_dest(ALSA_0.9)[ALSA] |
| snd_ctl_event_elem_get_mask(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_channels_min(ALSA_0.9.0rc4)[ALSA] | snd_seq_port_subscribe_set_exclusive(ALSA_0.9)[ALSA] |
| snd_ctl_event_free(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_format(ALSA_0.9.0rc4)[ALSA] | snd_seq_port_subscribe_set_queue(ALSA_0.9)[ALSA] |
| snd_ctl_event_malloc(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_format_mask(ALSA_0.9)[ALSA] | snd_seq_port_subscribe_set_sender(ALSA_0.9)[ALSA] |
| snd_ctl_event_sizeof(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_period_size(ALSA_0.9.0rc4)[ALSA] | snd_seq_port_subscribe_set_time_real(ALSA_0.9)[ALSA] |
| snd_ctl_hwdep_info(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_period_size_max(ALSA_0.9.0rc4)[ALSA] | snd_seq_port_subscribe_set_time_update(ALSA_0.9)[ALSA] |
| snd_ctl_hwdep_next_device(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_period_size_min(ALSA_0.9.0rc4)[ALSA] | snd_seq_port_subscribe_sizeof(ALSA_0.9)[ALSA] |
| snd_ctl_name(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_period_time(ALSA_0.9.0rc4)[ALSA] | snd_seq_query_next_client(ALSA_0.9)[ALSA] |
| snd_ctl_nonblock(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_period_time_max(ALSA_0.9.0rc4)[ALSA] | snd_seq_query_next_port(ALSA_0.9)[ALSA] |
| snd_ctl_open(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_period_time_min(ALSA_0.9.0rc4)[ALSA] | snd_seq_query_port_subscribers(ALSA_0.9)[ALSA] |
| snd_ctl_pcm_info(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_periods(ALSA_0.9.0rc4)[ALSA] | snd_seq_query_subscribe_copy(ALSA_0.9)[ALSA] |
| snd_ctl_pcm_next_device(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_periods_max(ALSA_0.9.0rc4)[ALSA] | snd_seq_query_subscribe_free(ALSA_0.9)[ALSA] |
| snd_ctl_poll_descriptors(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_periods_min(ALSA_0.9.0rc4)[ALSA] | snd_seq_query_subscribe_get_addr(ALSA_0.9)[ALSA] |
| snd_ctl_poll_descriptors_count(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_rate(ALSA_0.9.0rc4)[ALSA] | snd_seq_query_subscribe_get_exclusive(ALSA_0.9)[ALSA] |
| snd_ctl_rawmidi_info(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_rate_max(ALSA_0.9.0rc4)[ALSA] | snd_seq_query_subscribe_get_index(ALSA_0.9)[ALSA] |

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| snd_ctl_rawmidi_next_device(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_rate_min(ALSA_0.9.0rc4)[ALSA] | snd_seq_query_subscribe_get_queue(ALSA_0.9)[ALSA] |
| snd_ctl_read(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_rate_numden(ALSA_0.9)[ALSA] | snd_seq_query_subscribe_get_root(ALSA_0.9)[ALSA] |
| snd_ctl_subscribe_events(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_rate_resample(ALSA_0.9)[ALSA] | snd_seq_query_subscribe_get_time_real(ALSA_0.9)[ALSA] |
| snd_hctl_close(ALSA_0.9)[ALSA] | snd_pcm_hw_params_get_sbits(ALSA_0.9)[ALSA] | snd_seq_query_subscribe_get_time_update(ALSA_0.9)[ALSA] |
| snd_hctl_elem_get_callback_private(ALSA_0.9)[ALSA] | snd_pcm_hw_params_is_double(ALSA_0.9)[ALSA] | snd_seq_query_subscribe_malloc(ALSA_0.9)[ALSA] |
| snd_hctl_elem_get_id(ALSA_0.9)[ALSA] | snd_pcm_hw_params_is_half_duplex(ALSA_0.9)[ALSA] | snd_seq_query_subscribe_set_index(ALSA_0.9)[ALSA] |
| snd_hctl_elem_info(ALSA_0.9)[ALSA] | snd_pcm_hw_params_is_joint_duplex(ALSA_0.9)[ALSA] | snd_seq_query_subscribe_set_root(ALSA_0.9)[ALSA] |
| snd_hctl_elem_next(ALSA_0.9)[ALSA] | snd_pcm_hw_params_malloc(ALSA_0.9)[ALSA] | snd_seq_query_subscribe_set_type(ALSA_0.9)[ALSA] |
| snd_hctl_elem_prev(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_access(ALSA_0.9)[ALSA] | snd_seq_query_subscribe_sizeof(ALSA_0.9)[ALSA] |
| snd_hctl_elem_read(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_access_mask(ALSA_0.9)[ALSA] | snd_seq_queue_status_copy(ALSA_0.9)[ALSA] |
| snd_hctl_elem_set_callback(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_buffer_size(ALSA_0.9)[ALSA] | snd_seq_queue_status_free(ALSA_0.9)[ALSA] |
| snd_hctl_elem_set_callback_private(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_buffer_size_near(ALSA_0.9.0rc4)[ALSA] | snd_seq_queue_status_get_real_time(ALSA_0.9)[ALSA] |
| snd_hctl_elem_write(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_buffer_time(ALSA_0.9)[ALSA] | snd_seq_queue_status_get_tick_time(ALSA_0.9)[ALSA] |
| snd_hctl_find_elem(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_buffer_time_near(ALSA_0.9.0rc4)[ALSA] | snd_seq_queue_status_malloc(ALSA_0.9)[ALSA] |
| snd_hctl_first_elem(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_channels(ALSA_0.9)[ALSA] | snd_seq_queue_status_sizeof(ALSA_0.9)[ALSA] |

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|---|---|---|
| snd_hctl_free(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_channels_near(ALSA_0.9.0rc4)[ALSA] | snd_seq_queue_tempo_copy(ALSA_0.9)[ALSA] |
| snd_hctl_get_callback_private(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_format(ALSA_0.9)[ALSA] | snd_seq_queue_tempo_free(ALSA_0.9)[ALSA] |
| snd_hctl_get_count(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_format_mask(ALSA_0.9)[ALSA] | snd_seq_queue_tempo_get_ppq(ALSA_0.9)[ALSA] |
| snd_hctl_handle_events(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_period_size(ALSA_0.9)[ALSA] | snd_seq_queue_tempo_get_tempo(ALSA_0.9)[ALSA] |
| snd_hctl_last_elem(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_period_size_near(ALSA_0.9.0rc4)[ALSA] | snd_seq_queue_tempo_malloc(ALSA_0.9)[ALSA] |
| snd_hctl_load(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_period_time(ALSA_0.9)[ALSA] | snd_seq_queue_tempo_set_ppq(ALSA_0.9)[ALSA] |
| snd_hctl_nonblock(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_period_time_near(ALSA_0.9.0rc4)[ALSA] | snd_seq_queue_tempo_set_tempo(ALSA_0.9)[ALSA] |
| snd_hctl_open(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_periods(ALSA_0.9)[ALSA] | snd_seq_queue_tempo_sizeof(ALSA_0.9)[ALSA] |
| snd_hctl_set_callback(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_periods_integer(ALSA_0.9)[ALSA] | snd_seq_set_client_info(ALSA_0.9)[ALSA] |
| snd_hctl_set_callback_private(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_periods_near(ALSA_0.9.0rc4)[ALSA] | snd_seq_set_client_name(ALSA_0.9)[ALSA] |
| snd_hctl_wait(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_rate(ALSA_0.9)[ALSA] | snd_seq_set_input_buffer_size(ALSA_0.9)[ALSA] |
| snd_hwdep_close(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_rate_near(ALSA_0.9.0rc4)[ALSA] | snd_seq_set_output_buffer_size(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_image_copy(ALSA_0.9)[ALSA] | snd_pcm_hw_params_set_rate_resample(ALSA_0.9)[ALSA] | snd_seq_set_port_info(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_image_free(ALSA_0.9)[ALSA] | snd_pcm_hw_params_sizeof(ALSA_0.9)[ALSA] | snd_seq_set_queue_tempo(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_image_get_image(ALSA_0.9)[ALSA] | snd_pcm_hw_params_test_access(ALSA_0.9)[ALSA] | snd_seq_subscribe_port(ALSA_0.9)[ALSA] |

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|---|---|---|
| snd_hwdep_dsp_image_get_index(ALSA_0.9)[ALSA] | snd_pcm_hw_params_test_buffer_size(ALSA_0.9)[ALSA] | snd_seq_sync_output_queue(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_image_get_length(ALSA_0.9)[ALSA] | snd_pcm_hw_params_test_buffer_time(ALSA_0.9)[ALSA] | snd_seq_system_info(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_image_get_name(ALSA_0.9)[ALSA] | snd_pcm_hw_params_test_channels(ALSA_0.9)[ALSA] | snd_seq_system_info_copy(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_image_malloc(ALSA_0.9)[ALSA] | snd_pcm_hw_params_test_format(ALSA_0.9)[ALSA] | snd_seq_system_info_free(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_image_set_image(ALSA_0.9)[ALSA] | snd_pcm_hw_params_test_period_size(ALSA_0.9)[ALSA] | snd_seq_system_info_get_clients(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_image_set_index(ALSA_0.9)[ALSA] | snd_pcm_hw_params_test_period_time(ALSA_0.9)[ALSA] | snd_seq_system_info_get_ports(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_image_set_length(ALSA_0.9)[ALSA] | snd_pcm_hw_params_test_periods(ALSA_0.9)[ALSA] | snd_seq_system_info_get_queues(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_image_set_name(ALSA_0.9)[ALSA] | snd_pcm_hw_params_test_rate(ALSA_0.9)[ALSA] | snd_seq_system_info_malloc(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_image_sizeof(ALSA_0.9)[ALSA] | snd_pcm_hwsync(ALSA_0.9)[ALSA] | snd_seq_system_info_sizeof(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_load(ALSA_0.9)[ALSA] | snd_pcm_info(ALSA_0.9)[ALSA] | snd_seq_unsubscribe_port(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_status(ALSA_0.9)[ALSA] | snd_pcm_info_copy(ALSA_0.9)[ALSA] | snd_strerror(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_status_copy(ALSA_0.9)[ALSA] | snd_pcm_info_free(ALSA_0.9)[ALSA] | snd_timer_close(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_status_free(ALSA_0.9)[ALSA] | snd_pcm_info_get_card(ALSA_0.9)[ALSA] | snd_timer_continue(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_status_get_chip_ready(ALSA_0.9)[ALSA] | snd_pcm_info_get_class(ALSA_0.9)[ALSA] | snd_timer_id_copy(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_status_get_dsp_loaded(ALSA_0.9)[ALSA] | snd_pcm_info_get_device(ALSA_0.9)[ALSA] | snd_timer_id_free(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_status_get_id(ALSA_0.9)[ALSA] | snd_pcm_info_get_id(ALSA_0.9)[ALSA] | snd_timer_id_get_card(ALSA_0.9)[ALSA] |

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|---|---|---|
| snd_hwdep_dsp_status_get_num_dsps(ALSA_0.9)[ALSA] | snd_pcm_info_get_name(ALSA_0.9)[ALSA] | snd_timer_id_get_class(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_status_get_version(ALSA_0.9)[ALSA] | snd_pcm_info_get_stream(ALSA_0.9)[ALSA] | snd_timer_id_get_device(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_status_malloc(ALSA_0.9)[ALSA] | snd_pcm_info_get_subdevice(ALSA_0.9)[ALSA] | snd_timer_id_get_sclass(ALSA_0.9)[ALSA] |
| snd_hwdep_dsp_status_sizeof(ALSA_0.9)[ALSA] | snd_pcm_info_get_subdevice_name(ALSA_0.9)[ALSA] | snd_timer_id_get_subdevice(ALSA_0.9)[ALSA] |
| snd_hwdep_info(ALSA_0.9)[ALSA] | snd_pcm_info_get_subdevices_avail(ALSA_0.9)[ALSA] | snd_timer_id_malloc(ALSA_0.9)[ALSA] |
| snd_hwdep_info_copy(ALSA_0.9)[ALSA] | snd_pcm_info_get_subdevices_count(ALSA_0.9)[ALSA] | snd_timer_id_set_card(ALSA_0.9)[ALSA] |
| snd_hwdep_info_free(ALSA_0.9)[ALSA] | snd_pcm_info_malloc(ALSA_0.9)[ALSA] | snd_timer_id_set_class(ALSA_0.9)[ALSA] |
| snd_hwdep_info_get_card(ALSA_0.9)[ALSA] | snd_pcm_info_set_device(ALSA_0.9)[ALSA] | snd_timer_id_set_device(ALSA_0.9)[ALSA] |
| snd_hwdep_info_get_device(ALSA_0.9)[ALSA] | snd_pcm_info_set_stream(ALSA_0.9)[ALSA] | snd_timer_id_set_sclass(ALSA_0.9)[ALSA] |
| snd_hwdep_info_get_id(ALSA_0.9)[ALSA] | snd_pcm_info_set_subdevice(ALSA_0.9)[ALSA] | snd_timer_id_set_subdevice(ALSA_0.9)[ALSA] |
| snd_hwdep_info_get_iface(ALSA_0.9)[ALSA] | snd_pcm_info_sizeof(ALSA_0.9)[ALSA] | snd_timer_id_sizeof(ALSA_0.9)[ALSA] |
| snd_hwdep_info_get_name(ALSA_0.9)[ALSA] | snd_pcm_link(ALSA_0.9)[ALSA] | snd_timer_info(ALSA_0.9)[ALSA] |
| snd_hwdep_info_malloc(ALSA_0.9)[ALSA] | snd_pcm_mmap_begin(ALSA_0.9)[ALSA] | snd_timer_info_copy(ALSA_0.9)[ALSA] |
| snd_hwdep_info_set_device(ALSA_0.9)[ALSA] | snd_pcm_mmap_commit(ALSA_0.9)[ALSA] | snd_timer_info_free(ALSA_0.9)[ALSA] |
| snd_hwdep_info_sizeof(ALSA_0.9)[ALSA] | snd_pcm_mmap_readi(ALSA_0.9)[ALSA] | snd_timer_info_get_card(ALSA_0.9)[ALSA] |
| snd_hwdep_ioctl(ALSA_0.9)[ALSA] | snd_pcm_mmap_readn(ALSA_0.9)[ALSA] | snd_timer_info_get_id(ALSA_0.9)[ALSA] |
| snd_hwdep_open(ALSA_0.9)[ALSA] | snd_pcm_mmap_writei(ALSA_0.9)[ALSA] | snd_timer_info_get_name(ALSA_0.9)[ALSA] |
| snd_hwdep_poll_descriptors(ALSA_0.9)[ALSA] | snd_pcm_mmap_writen(ALSA_0.9)[ALSA] | snd_timer_info_get_resolution(ALSA_0.9)[ALSA] |

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|---|---|---|
| snd_hwdep_read(ALSA_0.9)[ALSA] | snd_pcm_name(ALSA_0.9)[ALSA] | snd_timer_info_malloc(ALSA_0.9)[ALSA] |
| snd_hwdep_write(ALSA_0.9)[ALSA] | snd_pcm_nonblock(ALSA_0.9)[ALSA] | snd_timer_info_sizeof(ALSA_0.9)[ALSA] |
| snd_input_buffer_open(ALSA_0.9)[ALSA] | snd_pcm_open(ALSA_0.9)[ALSA] | snd_timer_open(ALSA_0.9)[ALSA] |
| snd_input_close(ALSA_0.9)[ALSA] | snd_pcm_open_lconf(ALSA_0.9)[ALSA] | snd_timer_params(ALSA_0.9)[ALSA] |
| snd_input_stdio_attach(ALSA_0.9)[ALSA] | snd_pcm_pause(ALSA_0.9)[ALSA] | snd_timer_params_get_ticks(ALSA_0.9)[ALSA] |
| snd_input_stdio_open(ALSA_0.9)[ALSA] | snd_pcm_poll_descriptors(ALSA_0.9)[ALSA] | snd_timer_params_malloc(ALSA_0.9)[ALSA] |
| snd_lib_error_set_handler(ALSA_0.9)[ALSA] | snd_pcm_poll_descriptors_count(ALSA_0.9)[ALSA] | snd_timer_params_set_auto_start(ALSA_0.9)[ALSA] |
| snd_midi_event_decode(ALSA_0.9)[ALSA] | snd_pcm_poll_descriptors_revents(ALSA_0.9)[ALSA] | snd_timer_params_set_ticks(ALSA_0.9)[ALSA] |
| snd_midi_event_encode(ALSA_0.9)[ALSA] | snd_pcm_prepare(ALSA_0.9)[ALSA] | snd_timer_poll_descriptors(ALSA_0.9)[ALSA] |
| snd_midi_event_encode_byte(ALSA_0.9)[ALSA] | snd_pcm_readi(ALSA_0.9)[ALSA] | snd_timer_poll_descriptors_count(ALSA_0.9)[ALSA] |
| snd_midi_event_free(ALSA_0.9)[ALSA] | snd_pcm_readn(ALSA_0.9)[ALSA] | snd_timer_read(ALSA_0.9)[ALSA] |
| snd_midi_event_init(ALSA_0.9)[ALSA] | snd_pcm_recover(ALSA_0.9)[ALSA] | snd_timer_start(ALSA_0.9)[ALSA] |
| snd_midi_event_new(ALSA_0.9)[ALSA] | snd_pcm_reset(ALSA_0.9)[ALSA] | snd_timer_status(ALSA_0.9)[ALSA] |
| snd_midi_event_reset_decode(ALSA_0.9)[ALSA] | snd_pcm_resume(ALSA_0.9)[ALSA] | snd_timer_status_free(ALSA_0.9)[ALSA] |
| snd_midi_event_reset_encode(ALSA_0.9)[ALSA] | snd_pcm_rewind(ALSA_0.9)[ALSA] | snd_timer_status_get_lost(ALSA_0.9)[ALSA] |
| snd_mixer_attach(ALSA_0.9)[ALSA] | snd_pcm_samples_to_bytes(ALSA_0.9)[ALSA] | snd_timer_status_get_overrun(ALSA_0.9)[ALSA] |
| snd_mixer_close(ALSA_0.9)[ALSA] | snd_pcm_start(ALSA_0.9)[ALSA] | snd_timer_status_get_queue(ALSA_0.9)[ALSA] |
| snd_mixer_detach(ALSA_0.9)[ALSA] | snd_pcm_state(ALSA_0.9)[ALSA] | snd_timer_status_get_resolution(ALSA_0.9)[ALSA] |

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|---|---|---|
| snd_mixer_elem_get_callback_private(ALSA_0.9)[ALSA] | snd_pcm_state_name(ALSA_0.9)[ALSA] | snd_timer_status_malloc(ALSA_0.9)[ALSA] |
| snd_mixer_elem_get_type(ALSA_0.9)[ALSA] | snd_pcm_status(ALSA_0.9)[ALSA] | snd_timer_stop(ALSA_0.9)[ALSA] |
| snd_mixer_elem_next(ALSA_0.9)[ALSA] | snd_pcm_status_copy(ALSA_0.9)[ALSA] | |

**Table A-31 libasound Data Interfaces**

| | | |
|---|---|---|
| snd_config[ALSA] | snd_seq_event_types[ALSA] | |

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