

NAME

X Standards – X Consortium Standards

SYNOPSIS

The major goal of the X Consortium is to promote cooperation within the computer industry in the creation of standard software interfaces at all layers in the X Window System environment. The status of various standards, and the software in the X11R6 distribution, is explained below.

STANDARDS

The following documents are X Consortium standards:

X Window System Protocol

X Version 11, Release 6

Robert W. Scheifler

Xlib – C Language X Interface

X Version 11, Release 6

James Gettys, Robert W. Scheifler, Ron Newman

X Toolkit Intrinsics – C Language Interface

X Version 11, Release 6

Joel McCormack, Paul Asente, Ralph R. Swick, Donna Converse

Bitmap Distribution Format

Version 2.1

X Version 11, Release 6

Inter-Client Communication Conventions Manual

Version 2.0

X Version 11, Release 6

David Rosenthal, Stuart W. Marks

Compound Text Encoding

Version 1.1

X Version 11, Release 6

Robert W. Scheifler

X Logical Font Description Conventions

Version 1.5

X Version 11, Release 6

Jim Flowers, Stephen Gildea

X Display Manager Control Protocol

Version 1.0

X Version 11, Release 6

Keith Packard

X11 Nonrectangular Window Shape Extension

Version 1.0

X Version 11, Release 6

Keith Packard

X11 Input Extension Protocol Specification

Version 1.0

X Version 11, Release 6

George Sachs, Mark Patrick

X11 Input Extension Library Specification

X Version 11, Release 6
Mark Patrick, George Sachs

The X Font Service Protocol
Version 2.0
X Version 11, Release 6
Jim Fulton

PEX Protocol Specification
Version 5.1
Cheryl Huntington (architect), Paula Womack (editor)

PEXlib Specification and C Language Binding
Version 5.1
Jeff Stevenson

Inter-Client Exchange (ICE) Protocol
Version 1.0
X Version 11, Release 6
Robert Scheifler, Jordan Brown

Inter-Client Exchange (ICE) Library
Version 1.0
X Version 11, Release 6
Ralph Mor

X Session Management Protocol
Version 1.0
X Version 11, Release 6
Mike Wexler

X Session Management Library
Version 1.0
X Version 11, Release 6
Ralph Mor

The Input Method Protocol
Version 1.0
X Version 11, Release 6
Masahiko Narita, Hideki Hiura

X Synchronization Extension
Version 3.0
X Version 11, Release 6
Tim Glauert, Dave Carver, Jim Gettys, David P. Wiggins

X Image Extension, Protocol Reference Manual
Version 5.0
X Version 11, Release 6
Bob Shelley

XTEST Extension
Version 2.2
Kieron Drake

Big Requests Extension
Version 2.0
X Version 11, Release 6
Bob Scheifler

XC-MISC Extension
 Version 1.1
 X Version 11, Release 6
 Bob Scheifler, Dave Wiggins

DRAFT STANDARDS

The following documents are currently draft standards of the X Consortium.

X Image Extension Library
 Public Review Draft
 Gary Rogers

Extending X for Double-Buffering, Multi-Buffering, and Stereo
 Version 3.3
 Public Review Draft
 Jeffrey Friedberg, Larry Seiler, Jeff Vroom

INCLUDE FILES

The following include files are part of the Xlib standard.

<X11/cursorfont.h>
 <X11/keysym.h>
 <X11/keysymdef.h>
 <X11/X.h>
 <X11/Xatom.h>
 <X11/Xcms.h>
 <X11/Xlib.h>
 <X11/Xlibint.h>
 <X11/Xproto.h>
 <X11/Xprotostr.h>
 <X11/Xresource.h>
 <X11/Xutil.h>
 <X11/X10.h>

The following include files are part of the X Toolkit Intrinsic standard.

<X11/Composite.h>
 <X11/CompositeP.h>
 <X11/Constraint.h>
 <X11/ConstrainP.h>
 <X11/Core.h>
 <X11/CoreP.h>
 <X11/Intrinsic.h>
 <X11/IntrinsicP.h>
 <X11/Object.h>
 <X11/ObjectP.h>
 <X11/RectObj.h>
 <X11/RectObjP.h>
 <X11/Shell.h>
 <X11/ShellP.h>
 <X11/StringDefs.h>
 <X11/Vendor.h>
 <X11/VendorP.h>

The following include file is part of the Nonrectangular Window Shape Extension standard.

<X11/extensions/shape.h>

The following include files are part of the X Input Extension standard.

<X11/extensions/XI.h>

<X11/extensions/XInput.h>
 <X11/extensions/XIproto.h>

The following include files are part of the PEXlib standard.

<X11/PEX5/PEX.h>
 <X11/PEX5/PEXlib.h>
 <X11/PEX5/PEXlibint.h>
 <X11/PEX5/PEXproto.h>
 <X11/PEX5/PEXprotost.h>

The following include files are part of the ICElib standard.

<X11/ICE/ICE.h>
 <X11/ICE/ICEconn.h>
 <X11/ICE/ICELib.h>
 <X11/ICE/ICEmsg.h>
 <X11/ICE/ICEproto.h>
 <X11/ICE/ICEutil.h>

The following include files are part of the SMLib standard.

<X11/SM/SM.h>
 <X11/SM/SMLib.h>
 <X11/SM/SMproto.h>

The following include file is part of the Synchronization standard.

<X11/extensions/sync.h>

The following include files are part of the XIElib draft standard.

<X11/extensions/XIE.h>
 <X11/extensions/XIElib.h>
 <X11/extensions/XIEproto.h>
 <X11/extensions/XIEprotost.h>

The following include file is part of the XTEST standard.

<X11/extensions/XTest.h>

The following include file is part of the Multi-Buffering draft standard.

<X11/extensions/multibuf.h>

NON STANDARDS

The X11R6 distribution contains *sample* implementations, not *reference* implementations. Although much of the code is believed to be correct, the code should be assumed to be in error wherever it conflicts with the specification.

The only X Consortium standards are the ones listed above. No other documents, include files, or software in X11R6 carry special status within the X Consortium. For example, none of the following are standards: internal interfaces of the sample server; the MIT-SHM extension; the Athena Widget Set; the Xmu library; the Xau library; the RGB database; the fonts distributed with X11R6; the applications distributed with X11R6; the include files <X11/XWDFile.h>, <X11/Xfuncproto.h>, <X11/Xfuncs.h>, <X11/Xosdefs.h>, <X11/Xos.h>, and <X11/Xthreads.h>; the bitmap files in <X11/bitmaps>.

The following are works in progress within the X Consortium, and are neither standards nor draft standards: Fresco; Low Bandwidth X; X Keyboard Extension; Record Extension.