

**NAME**

XIconifyWindow, XWithdrawWindow, XReconfigureWMWindow - manipulate top-level windows

**SYNTAX**

Status XIconifyWindow(Display *\*display*, Window *w*, int *screen\_number*);

Status XWithdrawWindow(Display *\*display*, Window *w*, int *screen\_number*);

Status XReconfigureWMWindow(Display *\*display*, Window *w*, int *screen\_number*, unsigned int *value\_mask*, XWindowChanges *\*values*);

**ARGUMENTS**

*display* Specifies the connection to the X server.

*screen\_number* Specifies the appropriate screen number on the host server.

*value\_mask* Specifies which values are to be set using information in the values structure. This mask is the bitwise inclusive OR of the valid configure window values bits.

*values* Specifies the **XWindowChanges** structure.

*w* Specifies the window.

**DESCRIPTION**

The **XIconifyWindow** function sends a WM\_CHANGE\_STATE **ClientMessage** event with a format of 32 and a first data element of **IconicState** (as described in section 4.1.4 of the *Inter-Client Communication Conventions Manual*) and a window of *w* to the root window of the specified screen with an event mask set to **SubstructureNotifyMask|SubstructureRedirectMask**. Window managers may elect to receive this message and if the window is in its normal state, may treat it as a request to change the window's state from normal to iconic. If the WM\_CHANGE\_STATE property cannot be interned, **XIconifyWindow** does not send a message and returns a zero status. It returns a nonzero status if the client message is sent successfully; otherwise, it returns a zero status.

The **XWithdrawWindow** function unmaps the specified window and sends a synthetic **UnmapNotify** event to the root window of the specified screen. Window managers may elect to receive this message and may treat it as a request to change the window's state to withdrawn. When a window is in the withdrawn state, neither its normal nor its iconic representations is visible. It returns a nonzero status if the **UnmapNotify** event is successfully sent; otherwise, it returns a zero status.

**XWithdrawWindow** can generate a **BadWindow** error.

The **XReconfigureWMWindow** function issues a **ConfigureWindow** request on the specified top-level window. If the stacking mode is changed and the request fails with a **BadMatch** error, the error is trapped by Xlib and a synthetic **ConfigureRequestEvent** containing the same configuration parameters is sent to the root of the specified window. Window managers may elect to receive this event and treat it as a request to reconfigure the indicated window. It returns a nonzero status if the request or event is successfully sent; otherwise, it returns a zero status.

**XReconfigureWMWindow** can generate **BadValue** and **BadWindow** errors.

## DIAGNOSTICS

**BadValue** Some numeric value falls outside the range of values accepted by the request. Unless a specific range is specified for an argument, the full range defined by the argument's type is accepted. Any argument defined as a set of alternatives can generate this error.

**BadWindow** A value for a Window argument does not name a defined Window.

## SEE ALSO

XChangeWindowAttributes(3), XConfigureWindow(3), XCreateWindow(3), XDestroyWindow(3), XRaiseWindow(3), XMapWindow(3), XUnmapWindow(3)

*Xlib - C Language X Interface*