XSetWMIconName, XGetWMIconName, XSetIconName, XGetIconName – set or read a window’s WM_ICON_NAME property

void XSetWMIconName(display, w, text_prop)
    Display *display;
    Window w;
    XTextProperty *text_prop;
Status XGetWMIconName(display, w, text_prop_return)
    Display *display;
    Window w;
    XTextProperty *text_prop_return;
XSetIconName(display, w, icon_name)
    Display *display;
    Window w;
    char *icon_name;
Status XGetIconName(display, w, icon_name_return)
    Display *display;
    Window w;
    char **icon_name_return;

display Specifies the connection to the X server.
icon_name Specifies the icon name, which should be a null-terminated string.
icon_name_return Returns the window’s icon name, which is a null-terminated string.
text_prop Specifies the XTextProperty structure to be used.
text_prop_return Returns the XTextProperty structure.
w Specifies the window.

The XSetWMIconName convenience function calls XSetTextProperty to set the WM_ICON_NAME property.
The XGetWMIconName convenience function calls XGetTextProperty to obtain the WM_ICON_NAME property. It returns a nonzero status on success; otherwise, it returns a zero status.
The XSetIconName function sets the name to be displayed in a window’s icon.
XSetIconName can generate BadAlloc and BadWindow errors.
The XGetIconName function returns the name to be displayed in the specified window’s icon. If it succeeds, it returns a nonzero status; otherwise, if no icon name has been set for the window, it returns zero.
If you never assigned a name to the window, XGetIconName sets icon_name_return to NULL. If the data returned by the server is in the Latin Portable Character Encoding, then the returned string is in the Host Portable Character Encoding. Otherwise, the result is implementation-dependent. When finished with it, a client must free the icon name string using XFree.
XGetIconName can generate a BadWindow error.

WM_ICON_NAME The name to be used in an icon.

BadAlloc The server failed to allocate the requested resource or server memory.  BadWindow A value for a Window argument does not name a defined Window.

XAllocClassHint(3X11), XAllocIconSize(3X11), XAllocSizeHints(3X11), XAllocWMHints(3X11),
XFree(3X11), XSetCommand(3X11), XSetTransientForHint(3X11), XSetTextProperty(3X11),
XSetWMClientMachine(3X11), XSetWMColormapWindows(3X11), XSetWMName(3X11),
XSetWMProperties(3X11), XSetWMProtocols(3X11), XStringListToTextProperty(3X11)
Xlib – C Language X Interface