

NAME

xcb_get_window_attributes - Gets window attributes

SYNOPSIS

```
#include <xcb/xproto.h>
```

Request function

```
xcb_get_window_attributes_cookie_t xcb_get_window_attributes(xcb_connection_t *conn,  
xcb_window_t window);
```

Reply datastructure

```
typedef struct xcb_get_window_attributes_reply_t {  
    uint8_t    response_type;  
    uint8_t    backing_store;  
    uint16_t   sequence;  
    uint32_t   length;  
    xcb_visualid_t visual;  
    uint16_t   _class;  
    uint8_t    bit_gravity;  
    uint8_t    win_gravity;  
    uint32_t   backing_planes;  
    uint32_t   backing_pixel;  
    uint8_t    save_under;  
    uint8_t    map_is_installed;  
    uint8_t    map_state;  
    uint8_t    override_redirect;  
    xcb_colormap_t colormap;  
    uint32_t   all_event_masks;  
    uint32_t   your_event_mask;  
    uint16_t   do_not_propagate_mask;  
    uint8_t    pad0[2];  
} xcb_get_window_attributes_reply_t;
```

Reply function

```
xcb_get_window_attributes_reply_t *xcb_get_window_attributes_reply(xcb_connection_t *conn,  
xcb_get_window_attributes_cookie_t cookie, xcb_generic_error_t **e);
```

REQUEST ARGUMENTS

conn The XCB connection to X11.

window The window to get the attributes from.

REPLY FIELDS

response_type The type of this reply, in this case *XCB_GET_WINDOW_ATTRIBUTES*. This field is also present in the *xcb_generic_reply_t* and can be used to tell replies apart from each other.

sequence The sequence number of the last request processed by the X11 server.

length The length of the reply, in words (a word is 4 bytes).

backing_store One of the following values:

XCB_BACKING_STORE_NOT_USEFUL
TODO: NOT YET DOCUMENTED.

XCB_BACKING_STORE_WHEN_MAPPED
TODO: NOT YET DOCUMENTED.

XCB_BACKING_STORE_ALWAYS
TODO: NOT YET DOCUMENTED.

visual The associated visual structure of *window*.

_class One of the following values:

XCB_WINDOW_CLASS_COPY_FROM_PARENT
TODO: NOT YET DOCUMENTED.

XCB_WINDOW_CLASS_INPUT_OUTPUT
TODO: NOT YET DOCUMENTED.

XCB_WINDOW_CLASS_INPUT_ONLY
TODO: NOT YET DOCUMENTED.

bit_gravity One of the following values:

XCB_GRAVITY_BIT_FORGET
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_WIN_UNMAP
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_NORTH_WEST
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_NORTH
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_NORTH_EAST
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_WEST
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_CENTER
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_EAST
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_SOUTH_WEST
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_SOUTH
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_SOUTH_EAST
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_STATIC
TODO: NOT YET DOCUMENTED.

win_gravity One of the following values:

XCB_GRAVITY_BIT_FORGET
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_WIN_UNMAP
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_NORTH_WEST
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_NORTH
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_NORTH_EAST
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_WEST
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_CENTER
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_EAST
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_SOUTH_WEST
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_SOUTH
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_SOUTH_EAST
TODO: NOT YET DOCUMENTED.

XCB_GRAVITY_STATIC
TODO: NOT YET DOCUMENTED.

backing_planes Planes to be preserved if possible.

backing_pixel Value to be used when restoring planes.

save_under Boolean, should bits under be saved?

map_is_installed

TODO: NOT YET DOCUMENTED.

map_state One of the following values:

XCB_MAP_STATE_UNMAPPED

TODO: NOT YET DOCUMENTED.

XCB_MAP_STATE_UNVIEWABLE

TODO: NOT YET DOCUMENTED.

XCB_MAP_STATE_VIEWABLE

TODO: NOT YET DOCUMENTED.

override_redirect

Window managers should ignore this window if *override_redirect* is 1.

colormap Color map to be associated with window.

all_event_masks

Set of events all people have interest in.

your_event_mask

My event mask.

do_not_propagate_mask

Set of events that should not propagate.

DESCRIPTION

Gets the current attributes for the specified *window*.

RETURN VALUE

Returns an *xcb_get_window_attributes_cookie_t*. Errors have to be handled when calling the reply function *xcb_get_window_attributes_reply*.

If you want to handle errors in the event loop instead, use *xcb_get_window_attributes_unchecked*. See **xcb-requests(3)** for details.

ERRORS

xcb_drawable_error_t

TODO: reasons?

xcb_window_error_t

The specified *window* does not exist.

SEE ALSO

xcb-requests(3)

AUTHOR

Generated from xproto.xml. Contact xcb@lists.freedesktop.org for corrections and improvements.