

**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](mailto:xcb@lists.freedesktop.org) for corrections and improvements.