

NAME

xcb_query_pointer - get pointer coordinates

SYNOPSIS

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

Request function

```
xcb_query_pointer_cookie_t xcb_query_pointer(xcb_connection_t *conn, xcb_window_t window);
```

Reply datastructure

```
typedef struct xcb_query_pointer_reply_t {
    uint8_t    response_type;
    uint8_t    same_screen;
    uint16_t   sequence;
    uint32_t   length;
    xcb_window_t root;
    xcb_window_t child;
    int16_t    root_x;
    int16_t    root_y;
    int16_t    win_x;
    int16_t    win_y;
    uint16_t   mask;
    uint8_t    pad0[2];
} xcb_query_pointer_reply_t;
```

Reply function

```
xcb_query_pointer_reply_t *xcb_query_pointer_reply(xcb_connection_t *conn,
    xcb_query_pointer_cookie_t cookie, xcb_generic_error_t **e);
```

REQUEST ARGUMENTS

conn The XCB connection to X11.

window A window to check if the pointer is on the same screen as *window* (see the *same_screen* field in the reply).

REPLY FIELDS

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

<i>sequence</i>	The sequence number of the last request processed by the X11 server.
<i>length</i>	The length of the reply, in words (a word is 4 bytes).
<i>same_screen</i>	If <i>same_screen</i> is False, then the pointer is not on the same screen as the argument window, <i>child</i> is None, and <i>win_x</i> and <i>win_y</i> are zero. If <i>same_screen</i> is True, then <i>win_x</i> and <i>win_y</i> are the pointer coordinates relative to the argument window's origin, and <i>child</i> is the child containing the pointer, if any.
<i>root</i>	The root window the pointer is logically on.
<i>child</i>	The child window containing the pointer, if any, if <i>same_screen</i> is true. If <i>same_screen</i> is false, <i>XCB_NONE</i> is returned.
<i>root_x</i>	The pointer X position, relative to <i>root</i> .
<i>root_y</i>	The pointer Y position, relative to <i>root</i> .
<i>win_x</i>	The pointer X coordinate, relative to <i>child</i> , if <i>same_screen</i> is true. Zero otherwise.
<i>win_y</i>	The pointer Y coordinate, relative to <i>child</i> , if <i>same_screen</i> is true. Zero otherwise.
<i>mask</i>	The current logical state of the modifier keys and the buttons. Note that the logical state of a device (as seen by means of the protocol) may lag the physical state if device event processing is frozen.

DESCRIPTION

Gets the root window the pointer is logically on and the pointer coordinates relative to the root window's origin.

RETURN VALUE

Returns an *xcb_query_pointer_cookie_t*. Errors have to be handled when calling the reply function *xcb_query_pointer_reply*.

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

ERRORS

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.