

NAME

xcb_set_input_focus - Sets input focus

SYNOPSIS

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

Request function

```
xcb_void_cookie_t xcb_set_input_focus(xcb_connection_t *conn, uint8_t revert_to,
    xcb_window_t focus, xcb_timestamp_t time);
```

REQUEST ARGUMENTS

conn The XCB connection to X11.

revert_to One of the following values:

XCB_INPUT_FOCUS_NONE

The focus reverts to *XCB_NONE*, so no window will have the input focus.

XCB_INPUT_FOCUS_POINTER_ROOT

The focus reverts to *XCB_POINTER_ROOT* respectively. When the focus reverts, FocusIn and FocusOut events are generated, but the last-focus-change time is not changed.

XCB_INPUT_FOCUS_PARENT

The focus reverts to the parent (or closest viewable ancestor) and the new revert_to value is *XCB_INPUT_FOCUS_NONE*.

XCB_INPUT_FOCUS_FOLLOW_KEYBOARD

NOT YET DOCUMENTED. Only relevant for the xinput extension.

Specifies what happens when the *focus* window becomes unviewable (if *focus* is neither *XCB_NONE* nor *XCB_POINTER_ROOT*).

focus The window to focus. All keyboard events will be reported to this window. The window must be viewable (TODO), or a *xcb_match_error_t* occurs (TODO).

If *focus* is *XCB_NONE* (TODO), all keyboard events are discarded until a new focus window is set.

If *focus* is *XCB_POINTER_ROOT* (TODO), focus is on the root window of the screen on which the pointer is on currently.

time Timestamp to avoid race conditions when running X over the network.

The special value *XCB_CURRENT_TIME* will be replaced with the current server time.

DESCRIPTION

Changes the input focus and the last-focus-change time. If the specified *time* is earlier than the current last-focus-change time, the request is ignored (to avoid race conditions when running X over the network).

A FocusIn and FocusOut event is generated when focus is changed.

RETURN VALUE

Returns an *xcb_void_cookie_t*. Errors (if any) have to be handled in the event loop.

If you want to handle errors directly with *xcb_request_check* instead, use *xcb_set_input_focus_checked*. See **xcb-requests(3)** for details.

ERRORS

xcb_match_error_t

The specified *focus* window is not viewable.

xcb_value_error_t

TODO: Reasons?

xcb_window_error_t

The specified *focus* window does not exist.

SEE ALSO

xcb-requests(3), **xcb_focus_in_event_t(3)**, **xcb_focus_out_event_t(3)**

AUTHOR

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