

**NAME**

xcb\_change\_property - Changes a window property

**SYNOPSIS**

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

**Request function**

```
xcb_void_cookie_t xcb_change_property(xcb_connection_t *conn, uint8_t mode,
    xcb_window_t window, xcb_atom_t property, xcb_atom_t type, uint8_t format, uint32_t data_len,
    const void *data);
```

**REQUEST ARGUMENTS**

*conn*            The XCB connection to X11.

*mode*            One of the following values:

*XCB\_PROP\_MODE\_REPLACE*

Discard the previous property value and store the new data.

*XCB\_PROP\_MODE\_PREPEND*

Insert the new data before the beginning of existing data. The *format* must match existing property value. If the property is undefined, it is treated as defined with the correct type and format with zero-length data.

*XCB\_PROP\_MODE\_APPEND*

Insert the new data after the beginning of existing data. The *format* must match existing property value. If the property is undefined, it is treated as defined with the correct type and format with zero-length data.

*window*          The window whose property you want to change.

*property*        The property you want to change (an atom).

*type*            The type of the property you want to change (an atom).

*format*          Specifies whether the data should be viewed as a list of 8-bit, 16-bit or 32-bit

quantities. Possible values are 8, 16 and 32. This information allows the X server to correctly perform byte-swap operations as necessary.

*data\_len* Specifies the number of elements (see *format*).

*data* The property data.

## DESCRIPTION

Sets or updates a property on the specified *window*. Properties are for example the window title (*WM\_NAME*) or its minimum size (*WM\_NORMAL\_HINTS*). Protocols such as EWMH also use properties - for example EWMH defines the window title, encoded as UTF-8 string, in the *\_NET\_WM\_NAME* property.

## 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\_change\_property\_checked*. See **xcb-requests(3)** for details.

## ERRORS

*xcb\_alloc\_error\_t*  
The X server could not store the property (no memory?).

*xcb\_atom\_error\_t*  
*property* or *type* do not refer to a valid atom.

*xcb\_match\_error\_t*  
TODO: reasons?

*xcb\_value\_error\_t*  
TODO: reasons?

*xcb\_window\_error\_t*  
The specified *window* does not exist.

## EXAMPLE

```
/*
 * Sets the WM_NAME property of the window to "XCB Example".
 */
```

```
*/  
void my_example(xcb_connection_t *conn, xcb_window_t window) {  
    xcb_change_property(conn,  
        XCB_PROP_MODE_REPLACE,  
        window,  
        XCB_ATOM_WM_NAME,  
        XCB_ATOM_STRING,  
        8,  
        strlen("XCB Example"),  
        "XCB Example");  
    xcb_flush(conn);  
}
```

**SEE ALSO**

**xcb-requests(3)**, **xcb-examples(3)**, **xcb\_intern\_atom(3)**, **xprop(1)**

**AUTHOR**

Generated from xproto.xml. Contact [xcb@lists.freedesktop.org](mailto:xcb@lists.freedesktop.org) for corrections and improvements.