

NAME

`xcb_shm_create_segment` - Asks the server to allocate a shared memory segment.

SYNOPSIS

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

Request function

```
xcb_shm_create_segment_cookie_t xcb_shm_create_segment(xcb_connection_t *conn,
    xcb_shm_seg_t shmseg, uint32_t size, uint8_t read_only);
```

Reply datastructure

```
typedef struct xcb_shm_create_segment_reply_t {
    uint8_t response_type;
    uint8_t nfd;
    uint16_t sequence;
    uint32_t length;
    uint8_t pad0[24];
} xcb_shm_create_segment_reply_t;
```

Reply function

```
xcb_shm_create_segment_reply_t *xcb_shm_create_segment_reply(xcb_connection_t *conn,
    xcb_shm_create_segment_cookie_t cookie, xcb_generic_error_t **e);
```

REQUEST ARGUMENTS

- | | |
|------------------|--|
| <i>conn</i> | The XCB connection to X11. |
| <i>shmseg</i> | A shared memory segment ID created with <code>xcb_generate_id()</code> . |
| <i>size</i> | The size of the segment to create. |
| <i>read_only</i> | True if the server should map the segment read-only; otherwise false. |

REPLY FIELDS

- | | |
|----------------------|--|
| <i>response_type</i> | The type of this reply, in this case <code>XCB_SHM_CREATE_SEGMENT</code> . This field is also present in the <code>xcb_generic_reply_t</code> 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>nfd</i>	The number of file descriptors sent by the server. Will always be 1.
<i>shm_fd</i>	TODO: NOT YET DOCUMENTED.

DESCRIPTION

Asks the server to allocate a shared memory segment. The server's reply will include a file descriptor for the client to pass to `mmap()`.

RETURN VALUE

Returns an *xcb_shm_create_segment_cookie_t*. Errors have to be handled when calling the reply function *xcb_shm_create_segment_reply*.

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

ERRORS

This request does never generate any errors.

SEE ALSO

xcb-requests(3)

AUTHOR

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