

NAME

`xcb_shm_get_image` - Copies data from the specified drawable to the shared memory segment.

SYNOPSIS

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

Request function

```
xcb_shm_get_image_cookie_t xcb_shm_get_image(xcb_connection_t *conn,
      xcb_drawable_t drawable, int16_t x, int16_t y, uint16_t width, uint16_t height,
      uint32_t plane_mask, uint8_t format, xcb_shm_seg_t shmseg, uint32_t offset);
```

Reply datastructure

```
typedef struct xcb_shm_get_image_reply_t {
    uint8_t    response_type;
    uint8_t    depth;
    uint16_t   sequence;
    uint32_t   length;
    xcb_visualid_t visual;
    uint32_t   size;
} xcb_shm_get_image_reply_t;
```

Reply function

```
xcb_shm_get_image_reply_t *xcb_shm_get_image_reply(xcb_connection_t *conn,
      xcb_shm_get_image_cookie_t cookie, xcb_generic_error_t **e);
```

REQUEST ARGUMENTS

- | | |
|-------------------|---|
| <i>conn</i> | The XCB connection to X11. |
| <i>drawable</i> | The drawable to copy the image out of. |
| <i>x</i> | The X coordinate in the drawable to begin copying at. |
| <i>y</i> | The Y coordinate in the drawable to begin copying at. |
| <i>width</i> | The width of the image to copy. |
| <i>height</i> | The height of the image to copy. |
| <i>plane_mask</i> | A mask that determines which planes are used. |

<i>format</i>	The format to use for the copy (???).
<i>shmseg</i>	The destination shared memory segment.
<i>offset</i>	The offset in the shared memory segment to copy data to.

REPLY FIELDS

<i>response_type</i>	The type of this reply, in this case <i>XCB_SHM_GET_IMAGE</i> . This field is also present in the <i>xcb_generic_reply_t</i> 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>depth</i>	The depth of the source drawable.
<i>visual</i>	The visual ID of the source drawable.
<i>size</i>	The number of bytes copied.

DESCRIPTION

Copy data from the specified drawable to the shared memory segment. The amount of bytes written to the destination image is always equal to the number of bytes read from the shared memory segment.

RETURN VALUE

Returns an *xcb_shm_get_image_cookie_t*. Errors have to be handled when calling the reply function *xcb_shm_get_image_reply*.

If you want to handle errors in the event loop instead, use *xcb_shm_get_image_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.