

**NAME**

xcb\_query\_font - query font metrics

**SYNOPSIS**

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

**Request function**

```
xcb_query_font_cookie_t xcb_query_font(xcb_connection_t *conn, xcb_fontable_t font);
```

**Reply datastructure**

```
typedef struct xcb_query_font_reply_t {
    uint8_t    response_type;
    uint8_t    pad0;
    uint16_t   sequence;
    uint32_t   length;
    xcb_charinfo_t min_bounds;
    uint8_t    pad1[4];
    xcb_charinfo_t max_bounds;
    uint8_t    pad2[4];
    uint16_t   min_char_or_byte2;
    uint16_t   max_char_or_byte2;
    uint16_t   default_char;
    uint16_t   properties_len;
    uint8_t    draw_direction;
    uint8_t    min_byte1;
    uint8_t    max_byte1;
    uint8_t    all_chars_exist;
    int16_t    font_ascent;
    int16_t    font_descent;
    uint32_t   char_infos_len;
} xcb_query_font_reply_t;
```

**Reply function**

```
xcb_query_font_reply_t *xcb_query_font_reply(xcb_connection_t *conn,
    xcb_query_font_cookie_t cookie, xcb_generic_error_t **e);
```

**Reply accessors**

```
xcb_fontprop_t *xcb_query_font_properties(const xcb_query_font_request_t *reply);
```

```
int xcb_query_font_properties_length(const xcb_query_font_reply_t *reply);
```

```
xcb_fontprop_iterator_t xcb_query_font_properties_iterator(const xcb_query_font_reply_t *reply);
```

```
xcb_charinfo_t *xcb_query_font_char_infos(const xcb_query_font_request_t *reply);
```

```
int xcb_query_font_char_infos_length(const xcb_query_font_reply_t *reply);
```

```
xcb_charinfo_iterator_t xcb_query_font_char_infos_iterator(const xcb_query_font_reply_t *reply);
```

## REQUEST ARGUMENTS

*conn*            The XCB connection to X11.

*font*            The fontable (Font or Graphics Context) to query.

## REPLY FIELDS

*response\_type*   The type of this reply, in this case *XCB\_QUERY\_FONT*. This field is also present in the *xcb\_generic\_reply\_t* and can be used to tell replies apart from each other.

*sequence*        The sequence number of the last request processed by the X11 server.

*length*          The length of the reply, in words (a word is 4 bytes).

*min\_bounds*      minimum bounds over all existing char

*max\_bounds*      maximum bounds over all existing char

*min\_char\_or\_byte2*  
                  first character

*max\_char\_or\_byte2*  
                  last character

*default\_char*    char to print for undefined character

*properties\_len*   how many properties there are

*draw\_direction*   One of the following values:

*XCB\_FONT\_DRAW\_LEFT\_TO\_RIGHT*

TODO: NOT YET DOCUMENTED.

*XCB\_FONT\_DRAW\_RIGHT\_TO\_LEFT*

TODO: NOT YET DOCUMENTED.

*min\_byte1*      TODO: NOT YET DOCUMENTED.

*max\_byte1*      TODO: NOT YET DOCUMENTED.

*all\_chars\_exist* flag if all characters have nonzero size

*font\_ascent*     baseline to top edge of raster

*font\_descent*    baseline to bottom edge of raster

*char\_infos\_len* TODO: NOT YET DOCUMENTED.

## DESCRIPTION

Queries information associated with the font.

## RETURN VALUE

Returns an *xcb\_query\_font\_cookie\_t*. Errors have to be handled when calling the reply function *xcb\_query\_font\_reply*.

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

## ERRORS

This request does never generate any errors.

## SEE ALSO

**xcb-requests(3)**

## AUTHOR

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