

**NAME**

XFontsOfFontSet, XBaseFontNameListOfFontSet, XLocaleOfFontSet, XContextDependentDrawing, XContextualDrawing, XDirectionalDependentDrawing - obtain fontset information

**SYNTAX**

```
int XFontsOfFontSet(XFontSet font_set, XFontStruct ***font_struct_list_return, char
***font_name_list_return);
```

```
char *XBaseFontNameListOfFontSet(XFontSet font_set);
```

```
char *XLocaleOfFontSet(XFontSet font_set);
```

```
Bool XContextDependentDrawing(XFontSet font_set);
```

```
Bool XContextualDrawing(XFontSet font_set);
```

```
Bool XDirectionalDependentDrawing(XFontSet font_set);
```

**ARGUMENTS**

*font\_set* Specifies the font set.

*font\_name\_list\_return*  
Returns the list of font names.

*font\_struct\_list\_return*  
Returns the list of font structs.

**DESCRIPTION**

The **XFontsOfFontSet** function returns a list of one or more **XFontStructs** and font names for the fonts used by the Xmb and Xwc layers for the given font set. A list of pointers to the **XFontStruct** structures is returned to *font\_struct\_list\_return*. A list of pointers to null-terminated, fully specified font name strings in the locale of the font set is returned to *font\_name\_list\_return*. The *font\_name\_list* order corresponds to the *font\_struct\_list* order. The number of **XFontStruct** structures and font names is returned as the value of the function.

Because it is not guaranteed that a given character will be imaged using a single font glyph, there is no provision for mapping a character or default string to the font properties, font ID, or direction hint for the font for the character. The client may access the **XFontStruct** list to obtain these values for all the fonts currently in use.

Xlib does not guarantee that fonts are loaded from the server at the creation of an **XFontSet**. Xlib may choose to cache font data, loading it only as needed to draw text or compute text dimensions. Therefore, existence of the `per_char` metrics in the **XFontStruct** structures in the **XFontStructSet** is undefined. Also, note that all properties in the **XFontStruct** structures are in the STRING encoding.

The **XFontStruct** and font name lists are owned by Xlib and should not be modified or freed by the client. They will be freed by a call to **XFreeFontSet** with the associated **XFontSet**. Until freed, their contents will not be modified by Xlib.

The **XBaseFontNameListOfFontSet** function returns the original base font name list supplied by the client when the **XFontSet** was created. A null-terminated string containing a list of comma-separated font names is returned as the value of the function. White space may appear immediately on either side of separating commas.

If **XCreateFontSet** obtained an XLFD name from the font properties for the font specified by a non-XLFD base name, the **XBaseFontNameListOfFontSet** function will return the XLFD name instead of the non-XLFD base name.

The base font name list is owned by Xlib and should not be modified or freed by the client. It will be freed by a call to **XFreeFontSet** with the associated **XFontSet**. Until freed, its contents will not be modified by Xlib.

The **XLocaleOfFontSet** function returns the name of the locale bound to the specified **XFontSet**, as a null-terminated string.

The returned locale name string is owned by Xlib and should not be modified or freed by the client. It may be freed by a call to **XFreeFontSet** with the associated **XFontSet**. Until freed, it will not be modified by Xlib.

The **XContextDependentDrawing** function returns **True** if the drawing functions implement implicit text directionality or if text drawn with the `font_set` might include context-dependent drawing; otherwise, it returns **False**.

The **XContextualDrawing** function returns **True** if text drawn with the font set might include context-dependent drawing; otherwise, it returns **False**.

The **XDirectionalDependentDrawing** function returns **True** if the drawing functions implement implicit text directionality; otherwise, it returns **False**.

## SEE ALSO

XCreateFontSet(3), XCreateOM(3), XCreateOC(3), XExtentsOfFontSet(3), XFontSetExtents(3)

*Xlib - C Language X Interface*