XStringListToTextProperty, XTextPropertyToStringList, XFreeStringList, XTextProperty – convert string lists and text property structure

```
Status XStringListToTextProperty(list, count, text_prop_return)
      char **list;
      int count;
      XTextProperty *text_prop_return;
```

```
Status XTextPropertyToStringList(text_prop, list_return, count_return)
       XTextProperty *text_prop;
       char ***list_return;
       int *count_return;
```

```
void XFreeStringList(list)
      char **list;
```

count Specifies the number of strings.

count_return Returns the number of strings.

list Specifies the list of strings to be freed.

list Specifies a list of null-terminated character strings.

list_return Returns a list of null-terminated character strings.

text_prop Specifies the **XTextProperty** structure to be used.

text_prop_return Returns the **XTextProperty** structure.

The XStringListToTextProperty function sets the specified **XTextProperty** to be of type STRING (format 8) with a value representing the concatenation of the specified list of null-separated character strings. An extra null byte (which is not included in the nitems member) is stored at the end of the value field of text_prop_return. The strings are assumed (without verification) to be in the STRING encoding. If insufficient memory is available for the new value string, **XStringListToTextProperty** does not set any fields in the **XTextProperty** structure and returns a zero status. Otherwise, it returns a nonzero status. To free the storage for the value field, use **XFree**.

The **XTextPropertyToStringList** function returns a list of strings representing the null-separated elements of the specified **XTextProperty** structure. The data in text_prop must be of type STRING and format 8. Multiple elements of the property (for example, the strings in a disjoint text selection) are separated by NULL (encoding 0). The contents of the property are not null-terminated. If insufficient memory is available for the list and its elements, **XTextPropertyToStringList** sets no return values and returns a zero status. Otherwise, it returns a nonzero status. To free the storage for the list and its contents, use **XFreeStringList**.

The **XFreeStringList** function releases memory allocated by **XmbTextPropertyToTextList** and **XTextPropertyToStringList** and the missing charset list allocated by **XCreateFontSet**.

The XTextProperty structure contains:

```
typedef struct {
            unsigned char *value;               /* property data */
            Atom encoding;                      /* type of property */
            int format;                         /* 8, 16, or 32 */
            unsigned long nitems;               /* number of items in value */
} XTextProperty;
```

XAllocClassHint(3X11), XAllocIconSize(3X11), XAllocSizeHints(3X11), XAllocWMHints(3X11), XFree(3X11), XSetCommand(3X11), XSetTransientForHint(3X11), XSetTextProperty(3X11), XSetWMClientMachine(3X11), XSetWMColormapWindows(3X11), XSetWMIconName(3X11), XSetWMName(3X11), XSetWMProperties(3X11), XSetWMProtocols(3X11)
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