NAME
XkbGetNames - Obtain symbolic names from the server

SYNOPSIS
Status XkbGetNames (Display **dpy***, unsigned int** *which***, XkbDescPtr** *xkb***);**

ARGUMENTS
dpy connection to the X server

which
mask of names or map components to be updated

xkb keyboard description to be updated

DESCRIPTION
XkbGetNames retrieves symbolic names for the components of the keyboard extension from the X server. The *which* parameter specifies the name components to be updated in the *xkb* parameter, and is the bitwise inclusive OR of the valid names mask bits defined in Table 1.

Table 1 Symbolic Names
Masks

Mask Bit	Value	Keyboard Field Component
XkbKeycodesNameMask	(1<<0)	Xkb->nameskeycodes
XkbGeometryNameMask	(1<<1)	Xkb->namesgeometry
XkbSymbolsNameMask	(1<<2)	Xkb->namessymbols
XkbPhysSymbolsNameMask	(1<<3)	Xkb->namesphys_symbols
XkbTypesNameMask	(1<<4)	Xkb->namestype
XkbCompatNameMask	(1<<5)	Xkb->namescompat
XkbKeyTypeNamesMask	(1<<6)	Xkb->map type[*].name
XkbKTLevelNamesMask	(1<<7)	Xkb->map type[*].lvl_names[*]
XkbIndicatorNamesMask	(1<<8)	Xkb->namesindicators[*]
XkbKeyNamesMask	(1<<9)	Xkb->nameskeys[*], num_keys
XkbKeyAliasesMask	(1<<10)	Xkb->nameskey_aliases[*], num_key_aliases

XkbVirtualModNamesMask	(1<<11)	Xkb->names.vmods[*]
XkbGroupNamesMask	(1<<12)	Xkb->names.groups[*]
XkbRGNamesMask	(1<<13)	Xkb->names.radio_groups[*], num_rg
XkbComponentNamesMask	(0x3f)	Xkb->names.keycodes, geometry, symbols, physical symbols, types, and compatibility map
XkbAllNamesMask	(0x3fff)	Xkb->names.all name components

If the *names* field of the keyboard description *xkb* is NULL, *XkbGetNames* allocates and initializes the *names* component of the keyboard description before obtaining the values specified by *which*. If the *names field of xkb* is not NULL, *XkbGetNames* obtains the values specified by *which* and copies them into the keyboard description *Xkb*.

If the *map* component of the *xkb* parameter is NULL, *XkbGetNames* does not retrieve type or shift level names, even if XkbKeyTypeNamesMask or XkbKTLevelNamesMask are set in *which*.

XkbGetNames can return Success, or BadAlloc, BadLength, BadMatch, and BadImplementation errors.

To free symbolic names, use *XkbFreeNames*.

DIAGNOSTICS

    BadAlloc   Unable to allocate storage

    BadImplementation

                Invalid reply from server

    BadLength   The length of a request is shorter or longer than that required to minimally contain the arguments

    BadMatch   A compatible version of Xkb was not available in the server or an argument has correct type and range, but is otherwise invalid

SEE ALSO
    XkbFreeNames(3)