

NAME

XkbAllocNames - Allocate symbolic names structures

SYNOPSIS

```
Status XkbAllocNames (XkbDescPtr xkb, unsigned int which, int num_rg, int num_key_aliases);
```

ARGUMENTS

xkb keyboard description for which names are to be allocated

which

mask of names to be allocated

num_rg

total number of radio group names needed

num_key_aliases

total number of key aliases needed

DESCRIPTION

Most applications do not need to directly allocate symbolic names structures. Do not allocate a names structure directly using *malloc* or *Xmalloc* if your application changes the number of key aliases or radio groups or constructs a symbolic names structure without loading the necessary components from the X server. Instead use *XkbAllocNames*.

XkbAllocNames can return *BadAlloc*, *BadMatch*, and *BadValue* errors. The *which* parameter is the bitwise inclusive OR of the valid names mask bits defined in Table 1.

Table 1 Symbolic Names

Masks

Mask	Value	Keyboard	Field
Bit	Component		
XkbKeycodesNameMask	(1<<0)	Xkb->nameskeycodes	
XkbGeometryNameMask	(1<<1)	Xkb->namesgeometry	
XkbSymbolsNameMask	(1<<2)	Xkb->namesymbols	
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[*]
XkbKeyNameMask	(1<<9)	Xkb->nameskeys[*], num_keys
XkbKeyAliasesMask	(1<<10)	Xkb->nameskey_aliases[*], num_key_aliases
XkbVirtualModNamesMask	(1<<11)	Xkb->namesvmods[*]
XkbGroupNameMask	(1<<12)	Xkb->namesgroups[*]
XkbRGNamesMask	(1<<13)	Xkb->namesradio_groups[*], num_rg
XkbComponentNamesMask	(0x3f)	Xkb->nameskeycodes, geometry, symbols, physical symbols, types, and compatibility map
XkbAllNamesMask	(0x3fff)	Xkb->namesall name components

Do not free symbolic names structures directly using *free* or *XFree*. Use *XkbFreeNames* instead.

DIAGNOSTICS

BadAlloc	Unable to allocate storage
BadMatch	A compatible version of Xkb was not available in the server or an argument has correct type and range, but is otherwise invalid
BadValue	An argument is out of range

SEE ALSO

XkbFreeNames(3)