NAME

XkbGetCompatMap - Fetch any combination of the current compatibility map components from the server

SYNOPSIS

Status XkbGetCompatMap (Display *display**, unsigned int** which**, XkbDescRec ***xkb**);**

ARGUMENTS

display
connection to server

which
mask of compatibility map components to fetch

xkb keyboard description where results placed

DESCRIPTION

When another client modifies the compatibility map, you are notified if you have selected for XkbCompatMapNotify events. *XkbGetCompatMap* is particularly useful when you receive an event of this type, as it allows you to update your program's version of the compatibility map to match the modified version now in the server. If your program is dealing with multiple servers and needs to configure them all in a similar manner, the updated compatibility map may be used to reconfigure other servers.

XkbGetCompatMap fetches the components of the compatibility map specified in *which* from the server specified by *display* and places them in the *compat* structure of the keyboard description *xkb.* Valid values for *which* are an inclusive OR of the values shown in Table 1.

Table 1 Compatibility Map Component
Masks

Mask	Value	Affecting
XkbSymInterpMask	(1<<0)	Symbol interpretations
XkbGroupCompatMask	(1<<1)	Group maps
XkbAllCompatMask	(0x3)	All compatibility map components

If no compatibility map structure is allocated in *xkb* upon entry, *XkbGetCompatMap* allocates one. If one already exists, its contents are overwritten with the returned results.

XkbGetCompatMap fetches compatibility map information for the device specified by the *device_spec* field of *xkb*. Unless you have specifically modified this field, it is the default keyboard device. *XkbGetCompatMap* returns Success if successful, BadAlloc if it is unable to obtain necessary storage for either the return values or work space, BadMatch if the *dpy* field of the *xkb* argument is non-NULL and does not match the *display* argument, and BadLength under certain conditions caused by server or Xkb implementation errors.

DIAGNOSTICS

BadAlloc   Unable to allocate storage

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