#### **NAME**

XkbCopyKeyTypes - Copy more than one XkbKeyTypeRec structure

## **SYNOPSIS**

Status XkbCopyKeyTypes (XkbKeyTypePtr from, XkbKeyTypePtr into, int num\_types);

## **ARGUMENTS**

```
from
    pointer to array of XkbKeyTypeRecs to copy

into
    pointer to array of XkbKeyTypeRecs to change

num_types
    number of types to copy
```

## DESCRIPTION

XkbCopyKeyTypes copies num\_types XkbKeyTypeRec structures from the array specified by from into the array specified by into. It is intended for copying between, rather than within, keyboard descriptions, so it doesn't check for overlaps. The same rules that apply to the from and into parameters in XkbCopyKeyType apply to each entry of the from and into arrays of XkbCopyKeyTypes. If any allocation errors occur while copying from to into, XkbCopyKeyTypes returns BadAlloc. Otherwise, XkbCopyKeyTypes copies from to into and returns Success.

# RETURN VALUES

Success

The XkbCopyKeyTypes function returns Success when there are no allocation errors.

# **STRUCTURES**

Key types are used to determine the shift level of a key given the current state of the keyboard. The set of all possible key types for the Xkb keyboard description are held in the *types* field of the client map, whose total size is stored in *size\_types*, and whose total number of valid entries is stored in *num\_types*. Key types are defined using the following structure:

```
Atom name; /* name of key type */
Atom * level_names; /* array of names of each shift level */
} XkbKeyTypeRec, *XkbKeyTypePtr;
```

# **DIAGNOSTICS**

**BadAlloc** Unable to allocate storage

# **SEE ALSO**

XkbCopyKeyType(3)