

NAME

XkbResizeDeviceButtonActions - Allocate additional space for button actions in an *XkbDeviceInfoRec* structure

SYNOPSIS

Status *XkbResizeDeviceButtonActions* (*XkbDeviceInfoPtr device_info*, **unsigned int** *new_total*);

ARGUMENTS

device_info

structure in which to allocate button actions

new_total

new total number of button actions needed

DESCRIPTION

XkbResizeDeviceButtonActions reallocates space, if necessary, to make sure there is room for a total of *new_total* button actions in the *device_info* structure. Any new entries allocated are zeroed. If successful, *XkbResizeDeviceButtonActions* returns Success. If *new_total* is zero, all button actions are deleted, *device_info->num_btns* is set to zero, and *device_info->btn_acts* is set to NULL. If *device_info* is invalid or *new_total* is greater than 255, BadValue is returned. If a memory allocation failure occurs, a BadAlloc is returned.

To free an *XkbDeviceInfoRec* structure, use *XkbFreeDeviceInfo*.

STRUCTURES

Information about X Input Extension devices is transferred between a client program and the Xkb extension in an *XkbDeviceInfoRec* structure:

```
typedef struct {
    char *      name;      /* name for device */
    Atom        type;      /* name for class of devices */
    unsigned short device_spec; /* device of interest */
    Bool        has_own_state; /* True=>this device has its own state */
    unsigned short supported; /* bits indicating supported capabilities */
    unsigned short unsupported; /* bits indicating unsupported capabilities */
    unsigned short num_btns; /* number of entries in btn_acts */
    XkbAction *  btn_acts; /* button actions */
    unsigned short sz_leds; /* total number of entries in LEDs vector */
    unsigned short num_leds; /* number of valid entries in LEDs vector */
    unsigned short dflt_kbd_fb; /* input extension ID of default (core kbd) indicator */
}
```

```
    unsigned short    dflt_led_fb; /* input extension ID of default indicator feedback */
    XkbDeviceLedInfoPtr leds;      /* LED descriptions */
} XkbDeviceInfoRec, *XkbDeviceInfoPtr;
```

DIAGNOSTICS

BadAlloc Unable to allocate storage

BadValue An argument is out of range

SEE ALSO

XkbFreeDeviceInfo(3)