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)