XChangePointerDevice – change which device is the X pointer

Status XChangePointerDevice(display, device xaxis, yaxis)

- Display *display;
- XDevice *device;
- int xaxis;
- int yaxis;

*display* Specifies the connection to the X server. *device* Specifies the device to be used as the X pointer. *xaxis* Specifies the axis of the device to be used as the X pointer x-axis. *yaxis* Specifies the axis of the device to be used as the X pointer y-axis.

The `XChangePointerDevice` request causes the server to use the specified device as the X pointer. The device must have been opened by the client via `XOpenDevice` or a `BadDevice` error will result. The device must support input class Valuators or a `BadMatch` error will result. If the implementation does not support use of the specified device as the X pointer, a `BadDevice` error will result.

If the specified device is grabbed by another client, `AlreadyGrabbed` is returned. If the specified device is frozen by a grab on another device, `GrabFrozen` is returned. If the request is successful, `Success` is returned.

If the request succeeds, a `ChangeDeviceNotify` event is sent to all clients that have selected that event. A `MappingNotify` event with request = `MappingPointer` is sent to all clients. The specified device becomes the X pointer, and the old X pointer becomes accessible through the input extension protocol requests.

`XChangePointerDevice` can generate a `BadDevice` or a `BadMatch` error.

**BadDevice** An invalid device was specified. The specified device does not exist, has not been opened by this client via `XOpenInputDevice`, or is already one of the core X input devices (pointer or keyboard). This error may also occur if the server implementation does not support using the specified device as the X pointer.

**BadMatch** This error may occur if an `XChangePointerDevice` request was made specifying a device that has less than two valuators, or specifying a valuator index beyond the range supported by the device.

XChangeKeyboardDevice

*Programming With Xlib*