NAME

XkbUpdateMapFromCore - Update a local Xkb keyboard map to reflect the mapping expressed by a core format mapping

SYNOPSIS

Bool XkbUpdateMapFromCore (XkbDescPtr *xkb***, KeyCode** *first_key***, int** *num_keys***, int** *map_width***,
KeySym ****core_keysyms***, XkbChangesPtr** *changes***);**

ARGUMENTS

xkb keyboard description to update

first_key
    keycode of first key description to update

num_keys
    number of key descriptions to update

map_width
    width of core protocol keymap

core_keysyms
    symbols in core protocol keymap

changes
    backfilled with changes made to Xkb

DESCRIPTION

Xkb provides several functions that make it easier to apply the compatibility map to configure a client-side Xkb keyboard mapping, given a core protocol representation of part or all of a keyboard mapping. Obtain a core protocol representation of a keyboard mapping from an actual server (by using *XGetKeyboardMapping,* for example), a data file, or some other source.

XkbUpdateMapFromCore interprets input argument information representing a keyboard map in core format to update the Xkb keyboard description passed in *xkb.* Only a portion of the Xkb map is updated - the portion corresponding to keys with keycodes in the range *first_key* through *first_key + num_keys - 1.* If *XkbUpdateMapFromCore* is being called in response to a MappingNotify event, *first_key* and *num_keys* are reported in the MappingNotify event. *core_keysyms* contains the keysyms corresponding to the keycode range being updated, in core keyboard description order. *map_width* is the number of keysyms per key in *core_keysyms.* Thus, the first *map_width* entries in *core_keysyms* are for the key with keycode *first_key,* the next *map_width* entries are for key *first_key + 1,* and so on.

In addition to modifying the Xkb keyboard mapping in *xkb, XkbUpdateMapFromCore* backfills the changes structure whose address is passed in *changes* to indicate the modifications that were made. You may then use *changes* in subsequent calls such as *XkbSetMap,* to propagate the local modifications to a server.

SEE ALSO
   XkbSetMap(3)