
Subject: Re: Problems with CursorImage/Popups/Frames on X11

Posted by [mrjt](#) on Tue, 22 Jan 2008 09:52:29 GMT

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Well, turns out I was completely wrong and it *is* possible (at least on KDE) to implement X11 docking with native windows. You have to SetFocus on the window when it's moved so that X11 passes back focus when the move stops. It's pure luck that I did that *and* had an EventDump going at the same time

However, during my studies I did find the solution to two of the problems I was having with using pop-ups as main windows.

1) CursorImage not working. In X11Wnd.cpp (ln. 590, SetMouseCursor) there is the following code:

Quote: if(IsPopUp()) {

Ctrl *tw = GetTopWindow();

if(tw)

w = tw->GetWindow();

w = GetTopCtrl()->GetWindow();

}This effectively passes all CursorImage events to the owner of the pop-up, and commenting it out makes them work correctly. Presumably there is a good reason for this, but I can't think of a case where this would be necessary at the cost of breaking the behaviour of all other pop-ups. Could it be removed?

2) Popups not overlapping each other properly (not moving to foreground). This can be fixed by replacing line 192/192 in CtrlKbd.cpp (SetFocus0) with:

Quote: Ptr<Ctrl> topctrl = GetTopCtrl();

Ptr<Ctrl> topwindow = topctrl->IsPopUp() ? topctrl : GetTopWindow();This is not a serious issue though, since you can manually call SetForeground on the popup when it gets focus.

The only remaining problem is the managing of popups (which I thought would be the easy bit)- ie hiding/showing in accordance to changing in window stacking order, minization etc. - I'm pretty sure you should do this using CirculateRequest/CirculateNotify, but I can't persuade X11 to send me the events even though the eventmask is correct.

I'm now much happier. Thanks for your help.