Subject: widget tab: prevent switching? Posted by Justus Skorps on Wed, 26 Nov 2008 09:16:37 GMT View Forum Message <> Reply to Message

Hi all.

in my GUI I have an widget_tab with different tabs, each containing only a widget_base with a widget_draw. I need a possibility to temporary prevent to switch to another tab without disabling the widget draw on the current tab. Disabling the whole widget tab prevents switching but also disables button events from the widget draw of the current tab. The only workaround I found so far (switch back to the current tab when a tab event occurs) leads to some other problems and a lot of code work...

I also tried to disable the bases of each tabs or set the tab mode to 0, nothing works...

Anyone knows a way to prevent the switching?

thanx, **Justus**

Subject: Re: widget tab: prevent switching? Posted by Spon on Wed, 26 Nov 2008 17:20:31 GMT View Forum Message <> Reply to Message

On Nov 26, 9:16 am, Justus Skorps < ju...@gmx.de> wrote:

- > Hi all,
- > in my GUI I have an widget tab with different tabs, each containing
- > only a widget_base with a widget_draw. I need a possibility to
- > temporary prevent to switch to another tab without disabling the
- > widget draw on the current tab. Disabling the whole widget tab
- > prevents switching but also disables button_events from the
- > widget_draw of the current tab. The only workaround I found so far
- > (switch back to the current tab when a tab event occurs) leads to some
- > other problems and a lot of code work...
- > I also tried to disable the bases of each tabs or set the tab mode to
- > 0, nothing works...
- > Anyone knows a way to prevent the switching?
- > thanx,
- > Justus

Ok, this is the least inelegant solution I've come up with so far. It effectively switches back to the current tab when a tab event occurs while the tab is locked - which was your original workaround. Making use of the tab widget's own uvalue to store info about current and locked tabs makes it a managable enough proposition, in my opinion.

```
PRO TabTest Tab Dispatch, Event
 Widget_Control, Event.ID, Get_UValue = TabInfo
 If TabInfo.Locked Then $
  Widget Control, Event.ID, Set Tab Current = TabInfo.Current $
 Else Begin
  Case Event. Tab of
   0:
   1:
   2: Begin
      : Lock this tab
      TabInfo.Current = 2L
      TabInfo.Locked = 1
      Widget Control, Event.ID, Set UValue = TabInfo
      Widget Control, UVal.Draw2, Sensitive = 1
      : Do some stuff and switch TabInfo.Locked back to 0
       : when it's safe to reactivate the tabs
     End
  EndCase
 EndElse
END
PRO TabTest Done, Event
 Widget_Control, Event.Top, Get_UValue = UVal
 ; Desensitize draw widget
 Widget_Control, UVal.Draw2, Sensitive = 0
 ; Unlock tab widget
 Widget_Control, UVal.Tab, Get_UValue = TabInfo
 TabInfo.Locked = 0
 Widget_Control, UVal.Tab, Set_UValue = TabInfo
END
PRO Tabtest Foo, Event
 Print, 'Event Generated'
END
PRO TabTest
 TLB = Widget_Base(Col = 1)
 Tab = Widget Tab(TLB, $
  Event_Pro = 'TabTest_Tab_Dispatch', $
  UVALUE = {Current : 0L, Locked : 0})
```

```
Base0 = Widget_Base(Tab)
 Draw0 = Widget Draw(Base0, XSize = 200, YSize = 200, $
  /Button_Events, Event_Pro = 'Tabtest_Foo')
 Base1 = Widget_Base(Tab)
 Draw1 = Widget_Draw(Base1, XSize = 200, YSize = 200, $
  /Button Events, Event Pro = 'Tabtest Foo')
 Base2 = Widget Base(Tab)
 Draw2 = Widget Draw(Base2, XSize = 200, YSize = 160, $
  /Button Events, Event Pro = 'Tabtest Foo')
 Btn = Widget Button(Base2, Value = 'Done', $
  Event_Pro = 'TabTest_Done')
Widget_Control, TLB, /Realize
UVal = \{ Tab : Tab, \}
     Draw2 : Draw2 }
Widget_Control, TLB, Set_UValue = UVal
XManager, 'TabTest', TLB
```

END

Subject: Re: widget_tab: prevent switching?
Posted by Spon on Wed, 26 Nov 2008 17:27:19 GMT
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On Nov 26, 5:20 pm, Spon <christoph.b...@gmail.com> wrote: > Base2 = Widget Base(Tab)

Sorry, this should be a row/column base if you want your button to appear

Base2 = Widget_Base(Tab, /Col)

Subject: Re: widget_tab: prevent switching?
Posted by Justus Skorps on Fri, 28 Nov 2008 08:50:42 GMT
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Thx for your answer Chris. But this also leaves me with a bunch of new code which makes my program even more confusing. Switching between tabs is always not simple because I always have to adjust the values of some buttons, maintain the zoom history of the current tabs, And of course I do not want to to all this just to switch back because the switching should have been forbidden...but I guess there is no

"nice" way...I should have expect this from IDL...the more time I spent with this s### the more I hate it...

Subject: Re: widget_tab

Posted by David Fanning on Thu, 11 Dec 2008 16:09:50 GMT

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steverajiv writes:

- > Is there any way to change the order of tabs using widget_control or
- > widget_info (e.g., swap tab1 and tab2 etc..)

I don't think there is any way to change the order of the tabs. I suppose you could try rebuilding them in a different order, but it hardly seems worth the effort.

Cheers,

David

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: http://www.dfanning.com/

Sepore ma de ni thui. ("Perhaps thou speakest truth.")