
Subject: widget event structure doesn't transfer

Posted by [Oana Coman](#) on Mon, 13 Aug 2012 20:42:41 GMT

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hi guys,

I have a widget base(1) with a couple of buttons on it, and when i click one of the buttons it brings up a base widget(2) containing a draw widget and a couple of fields from which I want to save the input to do stuff in that first widget with all the buttons (so when i click a button there, i can use the data I got from (2) to do stuff in (1)).

The code for widget 1 is in one .pro file, and the code for widget 2 is in another. Would this be the reason the information is not transferring between the two? I thought that would be ok. Or maybe my code is crazy (which is most probable)

here is what I have in the widget 1 definition module to get to widget 2 (thes are just to save space):

```
w_userRoi= widget_button(p,value = 'Get User Defined ROI',frame = 2,$
                        event_pro = 'userROI')
widget_control,w_top , set_uval = { .....,$
                                userROI: -1L,$ ;since I don't have an event structure yet. Maybe I
should put something else here??
                                userCon: w_userCon,$
                                cx1: w_cx1 ,$
                                .....,$etcetcetc}
```

and here is my actual UserROI code, in UserROI.pro

Pro UserROI, event

```
tlb = Widget_Base(Title='User Defined ROI', row=4,xsize=260, $
  /Base_Align_Center, Group_Leader=event.top)
drawID = Widget_Draw(tlb, Xsize=260,Ysize=260, uvalue=13)
widget_control, drawID, get_value=wid
wset, wid
```

```
;get data from widget 1
widget_control, event.top, get_uval = w
widget_control, w.imagevu, get_uval = w
widget_control, w.cw_image, get_uval=w
widget_control, w.data, get_uval = d
widget_control, w.stretch, get_uval=s
widget_control,s.smin, get_valu=smin
widget_control,s.smax, get_valu=smax
```

```
image=congrid(d.image, 260,260)
```

```
xlabelbase = Widget_Base(tlb, Row=1)
```

```

w_xStart = cw_field(xlabelbase, /text, title='X:', frame=2, valu=0, xsize=6)
w_xDelta= cw_field(xlabelbase, /text, title='dx:', frame=2, valu=0, xsize=6)

ylabelbase = Widget_Base(tlb, Row=1)
w_yStart= cw_field(ylabelbase, /text, title='Y:', frame=2, valu=0, xsize=6)
w_yDelta= cw_field(ylabelbase, /text, title='dy:', frame=2,valu=0, xsize=6)

buttonBase = Widget_Base(tlb, column=3, /align_center, /base_align_center)
cancelID = Widget_Button(buttonBase, Value='Cancel', event_pro='TextBox_quit')
viewID = Widget_Button(buttonBase, Value='View', event_pro='textbox_view')
acceptID = Widget_Button(buttonBase, Value='Accept', event_pro='textbox_accept')
; Realize the widget hierarchy.

```

```
Widget_Control, tlb, /Realize
```

```
tvimage1, bytscl(image, smin, smax)
```

```

info = {   use:0,$
          image:image,$
          origImage:d.image,$
          wid:wid,$
          drawID: drawID,$
          xstart:w_xStart,$
          xdelta:w_xDelta,$
          ystart:w_yStart,$
          ydelta:w_yDelta,$
          xend:-1L,$
          yend:-1L}

```

```
Widget_Control, tlb, Set_UValue=info, /No_Copy
```

```

widget_control, event.top, get_uval=w
w.userROI = tlb
widget_control, event.top, set_uval=w

```

```

XManager, 'textbox', tlb
END

```

When I try to call my userROI data in widget 1, I get:
 % WIDGET_CONTROL: Invalid widget identifier: 143.

Do you have any thoughts on this? Where did I go wrong?
 Thanks.