
Subject: Widget_Control

Posted by [dean](#) on Tue, 28 Jun 1994 22:27:21 GMT

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I am attempting to use WIDGET_CONTROL to pass a structure to a widget _EVENT PRO. However, I am getting an invalid event id. I am working with IDL for Windows 3.5.1.

My goal here is to have two separate window displays with the cursor dumping from either window 1 or window 2.

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===== Error =====

```
IDL> mine
% WIDGET_EVENT: Invalid widget identifier: 33.
% Execution halted at KD_DISPLAY_EVEN <F:\IDL\TRAINING\MINE.PRO(25)>
(WIDGET_EVENT).
%   Called from XMANAGER <E:\IDL35\LIB\WIDGETS\XMANAGER.PRO(458)>.
%   Called from MINE <F:\IDL\TRAINING\MINE.PRO( 110)>.
%   Called from $MAIN$ .
```

===== Mine.pro

=====

```
FUNCTION Read_Image_Data, file, xsize, ysize
```

```
IF N_Params() NE 3 THEN $
```

```
    Message, 'Must call Read_Image_Data with three parameters.'
```

```
Openr, unit, file, /Get_LUN
```

```
image = BytArr(xsize,ysize)
```

```
ReadU, unit, image
```

```
Free_LUN, unit
```

```
Return, image
```

```
END
```

```
PRO KD_DISPLAY_EVENT, event
```

```
Widget_Control, event.id, GET_UVALUE = eventval
```

```
WIDGET_CONTROL, event.top, GET_UVALUE = WDRAWstr
```

```
;HELP, /STRUCTURE, WDRAWstr
```

```
CASE eventval OF
```

```
    "DRAW_WIN_EVENT" : BEGIN
```

```
        WSET, WDRAWSTR.Win_id
```

```

        WSHOW, WDRAWSTR.Win_id
        pxvnt = WIDGET_EVENT(WDRAWSTR.Win_id)
        HELP, /STRUCTURE, pxvnt
        WHILE (pxvnt.press NE 4 ) DO BEGIN
            pxvnt = WIDGET_EVENT(WDRAWSTR.Win_id)
            x = pxvnt.x
            y = pxvnt.y
            PRINT, ' Win >',wid,' X >', x,' Y >',y
        ENDWHILE
    END
ENDCASE
END

PRO KD_DISPLAY, Parent, name, image, xsize, ysize

wBase = WIDGET_BASE(title = name, GROUP_LEADER = Parent)
wDraw = WIDGET_DRAW(wBase, $
    UVALUE = 'DRAW_WIN_EVENT', $
    XSIZE=xsize, YSIZE=ysize, $
    /MOTION_EVENTS, $
    /BUTTON_EVENTS, $
    RETAIN = 2)

WIDGET_CONTROL, wBase, /REALIZE

WIDGET_CONTROL, wDraw, GET_VALUE = Win

WSET, Win
WSHOW, Win
TV, image

WDRAWstr = { WDRAWSTR, Par_id:Parent, Win_id:Win }

XManager, 'KD_DISPLAY' , wBase

WIDGET_CONTROL, wBase, SET_UVALUE = WDRAWstr

END

PRO mine_event, event

    WIDGET_CONTROL, Event.Id, GET_UVALUE = Ev

    CASE Ev OF

        "IMAGE1": BEGIN

```

```

        name = 'ctscan.dat'
        xsize = 256
        ysize = 256
        image = Read_Image_Data(Filepath(Subdir='images', name), xsize,
ysize)
        KD_DISPLAY, Event.top, name, image, xsize, ysize
    END

```

```

"IMAGE2": BEGIN
    name = 'galaxy.dat'
    xsize = 256
    ysize = 256
    image = Read_Image_Data(Filepath(Subdir='images', name), xsize,
ysize)
    KD_DISPLAY, Event.top, name, image, xsize, ysize
END

```

```

"QUIT": WIDGET_CONTROL, Event.Top, /DESTROY

```

```

ENDCASE
END

```

```

PRO MINE

```

```

wBase = WIDGET_BASE(/COLUMN)
wBase2 = WIDGET_BASE(wBase, /ROW)

```

```

wButton = WIDGET_BUTTON(wBase2, VALUE="Image1", UVALUE="IMAGE1")
wButton = WIDGET_BUTTON(wBase2, VALUE="Image2", UVALUE="IMAGE2")

```

```

wBase2 = WIDGET_BASE(wBase, /ROW)

```

```

wLabel = WIDGET_LABEL(wBase2, VALUE="Cursor position:", /FRAME)
wEdit = WIDGET_TEXT(wBase2, VALUE='0,0', EDITABLE=0)

```

```

wButton = WIDGET_BUTTON(wBase, VALUE="Quit", UVALUE="QUIT")

```

```

WIDGET_CONTROL, wBase, /REALIZE

```

```

XMANAGER, "MINE", wBase
END

```