
Subject: Re: ? Weird DRAW widget VALUE ?

Posted by [David Foster](#) on Wed, 27 Jan 1999 08:00:00 GMT

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Peter Cornelius wrote:

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>
> Re again...
>
> With IDL 4.0.1 on Windoze95, I am trying to use some code like:
>
> [...]
> PRO PDMENU298_Event, Event
>
>   COMMON DRAW_Comm
>
>   CASE Event.Value OF
>   [...]
>   'DISPLAY.Display Mode.ROI': BEGIN
>     MESSAGE, 'Event for DISPLAY.Display Mode.ROI', /INFORMATIONAL
>     WSET, DRAW288_Id
>     WIDGET_CONTROL, DRAW288_Id, GET_VALUE=win
>     HELP, DRAW288_Id
>     HELP, win
>     ROI=CW_DEFROI(DRAW288_Id)
>     HELP, ROI
>     END
>   [...]
>   ENDCASE
> END
> [...]
>
> But what I get is the following:
>
> % PDMENU298_EVENT: Event for DISPLAY.Display Mode.ROI
> DRAW288_ID (DRAW_COMM)
>       LONG      =      32
> WIN          STRING  = 'Display Mode'
> % Compiled module: CW_DEFROI.
> % Compiled module: CW_BGROUP.
> % Type conversion error: Unable to convert
>   given STRING to Long.
> % Detected at: CW_DEFROI      232
>   c:\progra~1\rsi\idl40\lib\cw_defro.pro
> % Type conversion error: Unable to convert
>   given STRING to Long.
> % Detected at: CW_DEFROI      242
>   c:\progra~1\rsi\idl40\lib\cw_defro.pro
> % Type conversion error: Unable to convert
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> given STRING to Long.
> % Detected at: CW_DEFROI      264
> c:\progra~1\rsi\idl40\lib\cw_defro.pro
> ROI      LONG      =      -1
>
> Now, I expect CW_DEFROI to be in order, what puzzles
> me is that I get STRING as return, although the DRAW288_Id
> is ok (it's in the COMMON DRAW_Comm block 8-S). In CW_DEFROI,
> it hangs just at the lines
>
> [...]
> WIDGET_CONTROL, draw, GET_VALUE=win
> WSET, win
> [...]
>
> which obviously doesn't work with a STRING. Is there anyone who
> can give me a hint how this STRING could have gotten into
> win?

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First suggestion, get rid of common blocks! Store "state" information in a structure, create a pointer that points to it, and store this pointer as the UVALUE of the top-level-base widget.

I would guess that the order of parameters in your common-block is incorrect, as the string you are getting looks like it's associated with a button or label widget, and you're passing this widget to CW_DEFROI().

Dave

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