
Subject: common variables between widgets
Posted by [boehmholger](#) on Tue, 29 Oct 2002 22:57:05 GMT
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Hi there,

I'm a beginner to IDL with some knowledge of VB and C++.
Presently, I try to catch on to widget-programming and now encounter
some problems regarding the scope of variables.

My problem:

I want to load an image file by pushing a button and then manipulate
the image data using a slider. How can I allow the slider-procedure to
"see" the image data as loaded in the button-procedure?

Looking forward to your tips,
Holger

Subject: Re: common variables between widgets
Posted by [R.Bauer](#) on Fri, 01 Nov 2002 17:20:52 GMT
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Holger Boehm wrote:

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> some problems regarding the scope of variables.
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> I want to load an image file by pushing a button and then manipulate
> the image data using a slider. How can I allow the slider-procedure to
> "see" the image data as loaded in the button-procedure?
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> Looking forward to your tips,
> Holger

Dear Holger,

here is a small example,
if you like to have more examples and especially in German you can have
a look at
http://www.fz-juelich.de/vislab/software/idl_samples/IDL-Bei spielsammlung.html
This is the examples library from our new IDL book written in German.

Title:

Praxisbezogene IDL Programmierung
Authors:
M. Busch, R.Bauer, H.Heer, M.Wagener

ISBN: 3-89336-308-4, EUR 44,00

Further information:
<http://www.fz-juelich.de/zb/text/publikation/infotechnik.htm> I

PRO small_widget_event,event

```
name=WIDGET_INFO(event.id,/UNAME)
PRINT,name
```

```
WIDGET_CONTROL,event.top,get_uvalue=data
```

```
CASE name OF
  'QUIT': WIDGET_CONTROL,event.top,/destroy
  'START': BEGIN
;    *data=DIST(256)
    WIDGET_CONTROL,get_value=wid,$
    WIDGET_INFO(event.top,find_by_uname='DRAW')
    WSET,wid
    TVSCL,*data
  END
  'SLIDER' :BEGIN
    WIDGET_CONTROL,event.id,get_value=value
    TVSCL,*data<value
  END
  ELSE:
ENDCASE
```

END

```
PRO small_widget
data=PTR_NEW(DIST(256))
base=WIDGET_BASE(col=2,title='variables between widgets',$
  uvalue=data)
id=WIDGET_BUTTON(base,value='START',uname='START')
id=WIDGET_BUTTON(base,value='QUIT',uname='QUIT')

base2=WIDGET_BASE(base,row=1, $
  title='variables between widgets')
id=WIDGET_DRAW(base2,retain=2,xsize=256,ysize=256,$
  uname='DRAW')
```

```
id=WIDGET_SLIDER(base2,/vertical,min=1,$
    max=255,value=255,uname='SLIDER')
```

```
WIDGET_CONTROL,/realize,base
XMANAGER,'small_widget',base
PTR_FREE,data
```

END

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Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de
<http://www.fz-juelich.de/icg/icg-i/>

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a IDL library at ForschungsZentrum Juelich
http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html
