
Subject: Re: global variables in IDL

Posted by [Gert](#) on Thu, 27 Dec 2001 01:02:48 GMT

[View Forum Message](#) <> [Reply to Message](#)

David,

thanks for the tip - I could off course do it this way, but then i need to pass the pointer around to anyone who might need it. What i wanted to is

pro Widgetpro,

```
widgetID = getIDofGlobalswidget
WIDGET_CONTROL, widgetID, GET_UVALUE=sGlobals, /NO_COPY
```

```
print, sGlobal.threshold
```

```
...
end
```

is this possible? How can I do the 'getIDofGlobalswidget'?

Gert

"David Fanning" <david@dfanning.com> wrote in message

news:MPG.16926460c37f95ec9897bb@news.frii.com...

> Gert (gert.van.de.wouwer@NO_SPAMPandora.be) writes:

>

>> I want to keep some global variables in an IDL program containing different

>> widgets without having to pass the variables each time a new base widget is

>> created. It can be done with common blocks, but then you can have only 1

>> instance of the program running.

>> I was thinking of creating a widget (called Globals) and copy the variables

>> in a struct to its uvalue. If another widget then wants these variables, I

>> need to get a widget identifier to Globals and retrieve the struct. But how

>> can I get this widget identifier?

>

> It's odd, isn't it, how good ideas keep being rediscovered

> over and over again. :-)

>

> It sounds like what you need is, uh, a pointer!
>
> IDL> info = Ptr_New({all_your_stuff_in_here}, /No_Copy)
>
> Then, when you create your widgets, you simply
> pass the pointer to each program that needs it:
>
> IDL> widget_program_1, info
> IDL> widget_program_2, info
> IDL> widget_program_3, info
>
> The syntax of using pointers to structures is a little
> weird until you get used to it:
>
> TV, (*info).image, Order=(*info).order
>
> Alternatively, you can create your pointer in the first
> widget program, and pass it to the other programs that
> are called from the first, etc. There are lots of ways
> to do it, but all rely on a pointer of some sort.
>
> Cheers,
>
> David
>
> --
> David W. Fanning, Ph.D.
> Fanning Software Consulting
> Phone: 970-221-0438, E-mail: david@dfanning.com
> Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
> Toll-Free IDL Book Orders: 1-888-461-0155
