Subject: Global variables and IDL

Posted by Kristian Kjaer on Fri, 20 Aug 1999 07:00:00 GMT

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A while back, (13 Apr 1999 00:00:00 GMT, but I only read it now)
David Fanning wrote: << Subject: Re: Global variables and IDL

<< So I might write a "preferences" file for the application
<< that each person who installs the application has to modify
<< for their site. One item might be the location of the
<< "data directory". On the PC, this might look like this:
<<
<<   DEFSYSV, '!Data_Directory', 'E:\secret\data'
<<
<< The UNIX user would modify this line to this:
<<
<<   DEFSYSV, '!Data_Directory', '/usr/people/bob/secret/data'

(For what it's worth:)
For this kind of static information (where are the data, how to
print, etc.) I wrote a function, platform.pro which is called
whenever a module needs the information:

host=platform()

Platform.pro creates (internally) a number of structures similar to

```
dos_online_prfile32={                  $
online   :    'TRUE'              ,$
dataroot :    'p:\bw1\tascom\dat'      ,$
localdataroot :'d:\bw1\tascom\dat'       ,$
plotfile :    'd:\temp\plot.ps'        ,$
plotcmd :     'start PRFILE32.exe /q d:\temp\plot.ps'  ,$
retain   :    1   $ ; used in window,retain=host.retain
}
linux_offline_lpr={... etc
```

By a call

getenv('IDL_PLATFORM') ; IDL_PLATFORM: Environment var. telling us
where we are running

platform.pro decides which structure to return.
Then, if the code has to run on a new machine, platform.pro
needs adding to, but when, as happens more often in this case,
updated code is ported to any 'old' machine, no local changes
are needed.

Kristian

Subject: Re: Global variables
Posted by davidf on Tue, 08 Feb 2000 08:00:00 GMT
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R.Bauer (R.Bauer@fz-juelich.de) writes:

> And don't use .reset_session!

Now, Reimer, you're not trying to have your cake and
eat it too, are you? :-)

Cheers,

David

--
David Fanning, Ph.D.
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Coyote's Guide to IDL Programming: http://www.dfanning.com/
Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: Global variables
Posted by R.Bauer on Tue, 08 Feb 2000 08:00:00 GMT
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David Fanning wrote:
>
> Erik Hummel (erik.hummel@philips.com) writes:
>
>> On a PC with Windows NT and object programming I like to use global
>> constants. I
>> like to define for instance some integer constant without the use of
>> common
>> blocks (the common block always has to be repeated before the variables
>> can be used)
>> or system variable.
>> Is it possible to declare a global constant without the use of common
>> blocks?
>
> Try DEFSYSV.
>
> Cheers,

>

>

And don't use .reset_session!

File Attachments
1) R.Bauer.vcf, downloaded 102 times

Subject: Re: Global variables
Posted by Erik Hummel on Tue, 08 Feb 2000 08:00:00 GMT
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Thanks!

David Fanning wrote:

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> David
> --
> David Fanning, Ph.D.
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===

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