
Subject: Capturing stdoutout

Posted by [Bernard Puc](#) on Thu, 21 May 1998 07:00:00 GMT

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Hello,

I am looking for ideas on how to implement the following: I have a widget application and I want to display whatever output various procedures/functions usually write to the output log window in a text window in the application. Any hints are welcome.

-Bernard Puc

puc@gsfc.nasa.gov

Subject: Re: Capturing stdoutout

Posted by [J.D. Smith](#) on Fri, 22 May 1998 07:00:00 GMT

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Bernard Puc wrote:

>

> Hello,

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> widget application and I want to display whatever output various
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>

> -Bernard Puc

> puc@gsfc.nasa.gov

This points to the need I see for IDL to contain a general *information* catching mechanism. I.e., I mean that:

message,'This message',/INFORMATIONAL

would send a signal, not of an error, but of an info type, which could be caught with catch.

Then, e.g., we simply could say:

catch,info,/INFORMATIONAL

if info ne 0 then widget_control,log,set_value=!INFO_STRING

and redirect all info into our widget. This way, a program run on the command line would give info on the command line, but we could easily put that info anywhere else if we so choose.

JD

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J.D. Smith |*| WORK: (607) 255-5842
Cornell University Dept. of Astronomy |*| (607) 255-4083
206 Space Sciences Bldg. |*| FAX: (607) 255-5875
Ithaca, NY 14853 |*|

Subject: Re: Capturing stdout
Posted by [Alex Schuster](#) on Fri, 22 May 1998 07:00:00 GMT
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Bernard Puc wrote:

> I am looking for ideas on how to implement the following: I have a
> widget application and I want to display whatever output various
> procedures/functions usually write to the output log window in a text
> window in the application. Any hints are welcome.

Any hints? Okay, then you could do a find and replace in each .pro file
your program needs, and replace print with printlog where printlog is a
procedure like this:

```
pro printlog var1, var2, var3, var4, var5, var6, var7, var8, var9, var10
  text = "
  for i = 1, n_params() do $
    foo = execute( 'text=text+string(var' + strtrim( i, 1 ) + ' ) + ' ) ' )
    widget_control, log_id, /append, set_value=text
  end
```

I concatenates all the given parameters to one string, and appends it in
the log widget. This worked fine for me, but if you cannot modify the
routines, or if they are written in C/Fortran, it wouldn't help you.

You can redirect the complete output by starting IDL via 'idl >
logfile', but you cannot access this file in IDL because it has be be
closed first.

Alex

--

Alex Schuster Wonko@weird.cologne.de PGP Key available
alex@pet.mpin-koeln.mpg.de
