
Subject: Re: Capturing screen output

Posted by [Liam E. Gumley](#) on Tue, 20 Nov 2001 22:21:56 GMT

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David Shadovitz wrote:

```
>
> I'm running IDL 5.4 on a Sun.
>
> I've got a file, cpsub1, which looks like this:
>
> $ cat cpsub1
> echo "computePPP, /batch, inputfile='abc.hdf'" | idl
>
> If I run it by simply typing cpsub1 at the command line, all of the IDL
> messages and PRINT statement outputs are sent to the screen:
>
> $ cpsub1
> % Compiled module: MODULE1
> % Compiled module: MODULE2
> % Compiled module: MODULE3
> Entered main routine...
> Computing the power...
> Done.
> $
>
> I'd like to capture that information in a log file, so I tried
> redirecting standard output, like this:
>
> $ cat cpsub2
> echo "computePPP, /batch, inputfile='abc.hdf'" | idl > cplog2
>
> $ cpsub2
> % Compiled module: MODULE1
> % Compiled module: MODULE2
> % Compiled module: MODULE3
> $
>
> As you can see, now only the IDL messages are written to the screen.
> But the PRINT statement outputs aren't sent to the log file! Upon
> completion, cplog2 is a 0-byte file.
>
> Then I tried redirecting both standard output and standard error:
>
> $ cat cpsub3
> echo "computePPP, /batch, inputfile='abc.hdf'" | idl > cplog3 2>&1
> $ cpsub3
> $
>
```

> Now nothing is written to the screen. But neither is it going to the
> log file! Upon completion, cplot3 is a 0-byte file.
>
> Can anyone help me capture the IDL messages and the PRINT statement
> output into a file? I'm running my code in this odd manner because
> ultimately I want to run the job in batch mode via 'ssub'.

David,

The following method works for me (I normally use the C shell):

```
#---cut here---  
#!/bin/csh -f  
  
# Sample script to execute IDL in batch mode  
  
# Create IDL run script  
echo "print, 'Hello world'" > runidl  
echo "exit" >> runidl  
  
# Run IDL  
/usr/local/bin/idl runidl >& runidl.out  
#---cut here---
```

You may need to adjust the last line if IDL is installed in a non-default directory.

Cheers,
Liam.
Practical IDL Programming
<http://www.gumley.com/>
