
Subject: Re: Capturing screen output (stdout/stderr redirect problem)

Posted by [Gary Swift](#) on Thu, 29 Nov 2001 10:05:50 GMT

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> David Shadovitz wrote:

> 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

>

> [snip]

>

> 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, cplog3 is a 0-byte file.

...

>>

>> Wow! I ran the same test under IDL 5.2.1 on the same machine, and it worked! So I

>> wonder whether it is an IDL 5.4 bug, as you suggest, or whether our admins somehow

>> blew it on the installation. I'll start a new thread, asking other Solaris / IDL

>> 5.4 users to try this out.

There is a bug in IDL 5.4 for Solaris (on SPARC only, not x86 I think) with redirecting stdout or stderr. RSI says it's been fixed in 5.5. The workaround is to do a

flush, -1

and/or

flush, -2

whenever you care about the output. I suspect this is your problem. We've been adding the flushes routinely at the end of our event managers, just in case, especially if something does a spawn of a UNIX command.

Hope that solves your problem.

-- Gary Swift

Design MatriX

<http://www.designmatrix.com>

Email: [gary @designmatrix.com](mailto:gary@designmatrix.com)

Phone: 310 455 3107

IDL services: <http://www.designmatrix.com/services/IDL.html>
