Hi David, Liam

Liam: Are you using IDL 5.4?

I noticed this change when I switched to v5.4, both on a Linux and Sun
system. I wonder if RSI changed stderr/stdout or something like that. All
my atjobs stopped sending me output. I ran the commands interactively and
all appeared normal. However, I cannot get the redirect command to work in
v5.4. Makes debugging harder...

Not even a 'printf, -2, "Hello World"' works!

David, my solution was this: If the output is *not* critical, then debug
by starting IDL and typing:
IDL> @filename
where 'filename' will be used like this:
% idl < filename >& output.txt

If output is important for more than debugging, I do the following:
IDL> mail, 'me@some.com you@dot.com', 'me', 'a message', important_output

```
PRO mail, to, from, subj, mesg
  unique = STRTRIM( STRING( LONG( systime( 1 ) ) ), 2 ) + '.email'
  openw, lun, unique, /get
  printf, lun, "To: " + to    ; To, From, Subject necessary for sendmail
  printf, lun, "From: " + from
  printf, lun, "Subject: " + subj
  printf, lun, mesg
  close, lun
  sendCmd = 'sendmail -t < ' + unique
  spawn, sendCmd, /sh
  cleanCmd = 'rm ' + unique
  spawn, cleanCmd, /sh
END
```

hope this helps, and please let us know if you get non-interactive output
captured!

-k.

On Mon, 26 Nov 2001, David Shadovitz wrote:

> Liam,

>
> Thanks for that. But I cannot even get that far! If I just make a simple
> file containing IDL commands, it runs fine unless I try to redirect its
> output. When I redirect its output, the output file is empty. Here's what I
> mean:
>
> $ cat runidl
> print, 'Hello world'
> exit
>
> $ idl runidl
> IDL Version 5.4 (sunos sparc). (c) 2000, Research Systems, Inc.
> Hello world
>
> $ idl runidl > runidl.out
> IDL Version 5.4 (sunos sparc). (c) 2000, Research Systems, Inc.
>
> $ cat runidl.out
> $
>
> Any ideas?
> -David
>
> "Liam E. Gumley" wrote:
>
>> 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, cplog3  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/
>
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>

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