

---

Subject: retrieving standard error stream from IDL

Posted by [Vincent Fournier-Sicr](#) on Mon, 07 Jun 1999 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

I am trying to interface my IDL code w/ some C-code that outputs error messages on the standard error stream ; the C-part of the code crashes and I would like to retrieve what was sent on the standard error stream.

Could somebody tell me how to do that?

Thanks,

Vincent

---

---

Subject: Re: retrieving standard error stream from IDL

Posted by [David Foster](#) on Thu, 10 Jun 1999 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Vincent Fournier-Sicre wrote:

>  
> I am trying to interface my IDL code w/ some C-code that outputs error  
> messages on the standard error stream ; the C-part of the code crashes  
> and I would like to retrieve what was sent on the standard error stream.  
>  
> Could somebody tell me how to do that?  
> Thanks,  
> Vincent

Vincent -

How are you interfacing to C? If you are using SPAWN, then you can redirect stderr in your command line:

```
command = 'ls -R1 ' + initdir + ' 2>&1'  
SPAWN, ["/bin/sh", "-c", command], results, /NOSHELL, COUNT=count
```

The output from stderr and stdio will appear in results[].

If you are using CALL\_EXTERNAL or LINK\_IMAGE then you can use C system calls to redirect stderr to stdio if that does you any good. Sorry, offhand I don't remember the function calls.

Doesn't the output from stderr show up on your terminal?

Dave Foster

--

~~~~~  
David S. Foster      Univ. of California, San Diego

Programmer/Analyst    Brain Image Analysis Laboratory  
foster@bial1.ucsd.edu    Department of Psychiatry  
(619) 622-5892        8950 Via La Jolla Drive, Suite 2240  
La Jolla, CA 92037

~~~~~

---

---

Subject: Re: retrieving standard error stream from IDL  
Posted by [Vincent Fournier-Sicr](#) on Fri, 11 Jun 1999 07:00:00 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

> Vincent -  
>  
> How are you interfacing to C? If you are using SPAWN, then you can  
> redirect stderr in your command line:  
>  
>    command = 'ls -R1 ' + initdir + ' 2>&1'  
>    SPAWN, ["/bin/sh", "-c", command], results, /NOSHELL, COUNT=count  
>  
> The output from stderr and stdio will appear in results[].  
>  
> If you are using CALL\_EXTERNAL or LINK\_IMAGE then you can use  
> C system calls to redirect stderr to stdio if that does you any  
> good. Sorry, offhand I don't remember the function calls.  
  
>  
> Doesn't the output from stderr show up on your terminal?

I am using CALL\_EXTERNAL and the standard error does show on the terminal, but  
I was getting so many messages on the standard error stream that I had to  
store them in a file; I did that in the C-code by doing the following :

```
fpstderr=open("stderr.tmp",O_RDWR|O_CREAT|O_TRUNC,0755);  
close(2);  
dup(fpstderr);
```

Vincent

---