
Subject: Re: Problems with long IDL background jobs
Posted by [Nigel Wade](#) on Fri, 07 Nov 2003 09:52:45 GMT
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J.K. wrote:

- > I have some processing that takes about 12hrs so
- > I'd like to run this in the background. I'm on
- > IRIX. It must be something simple that I'm doing
- > wrong. After I log out and close my X11 connections,
- > I'll get a message in my log file:
- >
- > XIO: fatal IO error 131 (Connection reset by peer) on X server "xxxxxxx:0.0"
- > after 116 requests (116 known processed) with 0 events remaining.
- >
- > Am I not redirecting standard out properly?
- > Below is what I'm doing. Any help appreciated.

No, that's the X client (IDL) complaining it's lost its connection to the X server.

- >
- > idlstartbg.pro startup file, I only set the path, no device commands.
- > !PATH=!PATH+":~/idl:~/wave/wvproc:~/wave/fermi98
- >
- > runidl batch file:
- > #!/bin/csh
- > setenv IDL_STARTUP idlstartbg.pro
- > idl \$1 >& log.\$1 &
- >
- > runback.pro
- > .run sdsnan
- > exit
- >
- > sdsnan.pro is a main
- > filelist = strarr(600)
- > openr, unit, "list",/get_lun
- > i = -1
- > fn = ''
- > while (not eof(unit)) do begin
- > i = i + 1
- > readf, unit, fn
- > filelist(i) = fn
- > print, i,filelist(i)
- > endwhile
- > close, unit
- > ; do lots of other stuff with some print statments
- > end
- >

> How I execute:
> nohup runidl runback >& out &
>
> exit (close X window)
>
>
> Produces:
> out: empty
> log.runback has standard out but also the X11 message and job does not
> complete.
>
> What am I doing wrong?
> If I change all print to printf in sdsnan.pro to write to a file it
> works but why can't I capture the standard out?
>
> Thanks,
> John K.

Does your IDL code do any plotting? I didn't think IDL actually opened any connection to the X server unless you issued a command which initiates graphics.

Anyway, try issuing the command 'unset DISPLAY' before running IDL (assuming you are using sh/ksh). And, for good measure, in IDL use the command SET_PLOT,'PS' to change the default display device to PostScript.

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