
Subject: Re: Background job on remote machine: problems with IDL_IDLBridge
Posted by [mg.elianto](#) on Thu, 22 Aug 2013 15:25:32 GMT

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On Wednesday, August 21, 2013 12:23:55 PM UTC-4, mg.el...@gmail.com wrote:

> Hi all,

>

>

>

> this is Mario Gennaro writing (Space Telescope Science Institute), I am new to the group, I hope I'll find some help for my problem.

>

>

>

> I am used to run background IDL jobs on remote machines; this usually works:

>

>

>

> ssh -Y2 me@remotemachine

>

>

>

> nohup \$IDL_DIR/bin/idl < input-commands-list >& output-log-file

>

>

>

> then I can ctrl-d and let the process run on the remote machine. eventually I can log back in and see the progress by:

>

>

>

> tail -f output-log-file

>

>

>

> Fine; however I have problems when the IDL code running requires X windows.

>

> I solve this by writing codes that don't plot anything.

>

> Again, this works BUT here is the big trouble:

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>

>

> one of my codes uses the IDL_IDLBridge, which seems to require a valid X windows to exist, even if the child process doesn't plot anything.

>

>

>

> I thought I could solve this by using screen instead of nohup, but it doesn't seem to work.
>
>
>
> I tried to ssh into the remote machine, create a screen session, then launch my program within the screen session:
>
>
>
> ssh -Y2 me@remotemachine
>
> screen -R "Foo"
>
> screen-Foo-prompt \$: \$IDL_DIR/bin/idl < input-commands >& output-file
>
>
>
> ctrl-a d
>
>
>
> I can detach from the screen session, and the code keeps running, but if I disconnect from the remote machine (ctrl-d), I obtain this error (when I look back into the output log file):
>
>
>
> X connection to localhost:10.0 broken (explicit kill or server shutdown)
>
>
>
> Any clues?
>
>
>
> Cheers,
>
> Mario
