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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,

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>  
>  
> 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:

>  
>  
>  
> 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

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