Subject: Background job on remote machine: problems with IDL_IDLBridge
Posted by mg.elianto on Wed, 21 Aug 2013 16:23:55 GMT
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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:

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, the 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