
Subject: Batch mode and ssh...

Posted by [Dave\[5\]](#) on Thu, 22 Jul 2010 09:05:26 GMT

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I need to execute an idl script that will take ~2 days to run. I'd like to run this on a remote system I SSH into in batch mode so that I can log off and use my local machine for other things. However, I cannot seem to both log off and get useful output from my script. My first attempt was to write a batch mode script containing (find_model_orich is the lengthy program):

```
.compile /home/driebel/IDL/Astro_lib/pro/readcol.pro
.compile find_model_orich
find_model_orich,/graph
retall
exit
```

I then executed this from the command line using:

```
nohup nice /opt/rsi/idl/bin/idl < batch_script >& log &
```

This does execute the program correctly in the background, but I cannot logout of the terminal without killing the execution. Thus, my laptop is stuck at work, holding open a terminal. The internet advised me that this was because of the way SSH interacts with background scripts and to try redirecting the output:

```
nohup nice /opt/rsi/idl/bin/idl batch_script >& /dev/null &
```

Indeed, I can now logout of the terminal, but ALL my output, such as the various graphs and text files my routine should generate (and I want, of course), get sent to /dev/null. Is there are way to get IDL batch mode to still output my graphs in the background, but to let me close my SSH session to the remote machine? Thanks,
Dave
