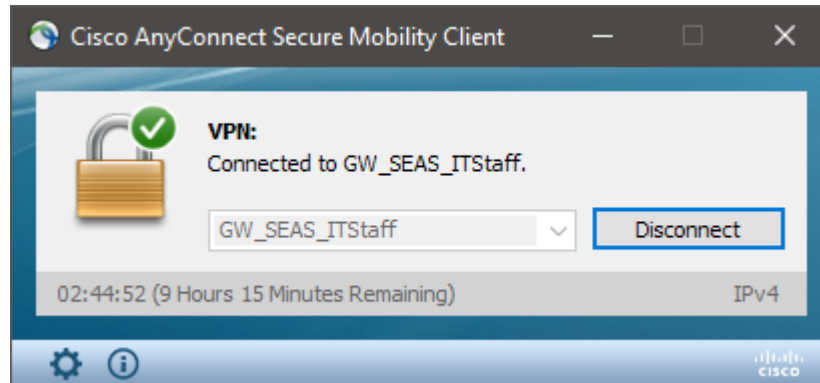


Accessing TH411 Linux Lab Remotely

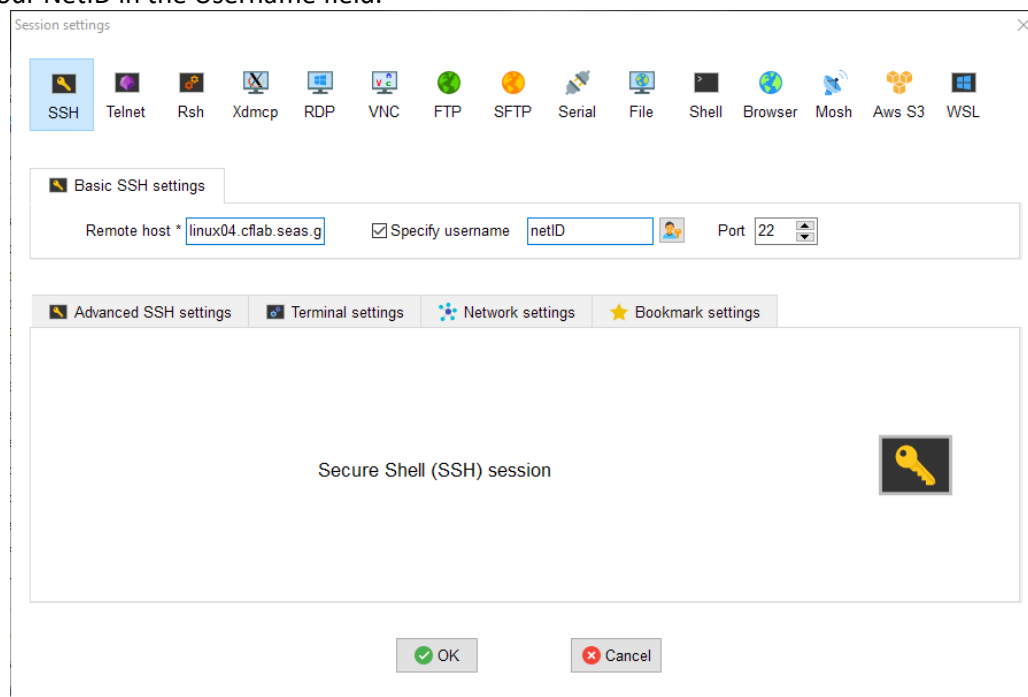
1. Connect to the GWU VPN. You can access the VPN software here: <https://it.gwu.edu/virtual-private-network-vpn>



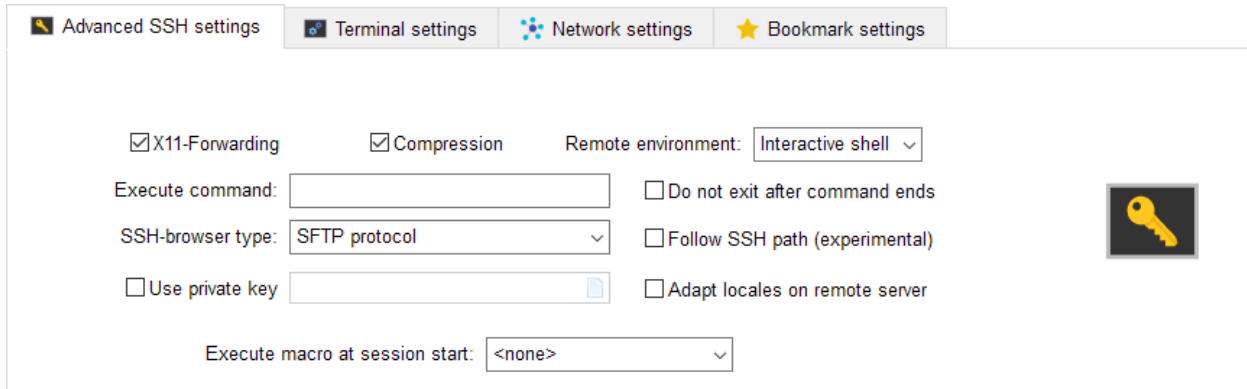
2. Download MobaXterm from here: <https://mobaxterm.mobatek.net/>
3. Install and launch MobaXterm. Click on the Session button in the upper left hand corner:



4. Choose a linux lab machine from 02-33. For "Remote Host" enter the full machine name of the workstation you want to connect to. The name format is: linux[02-33].cfclab.seas.gwu.edu. Enter your NetID in the Username field.



5. Under the “Advanced SSH Settings” tab, check the “X11-Forwarding” box. Then hit OK to connect.



Advanced SSH settings | Terminal settings | Network settings | Bookmark settings

X11-Forwarding Compression Remote environment: Interactive shell ▾

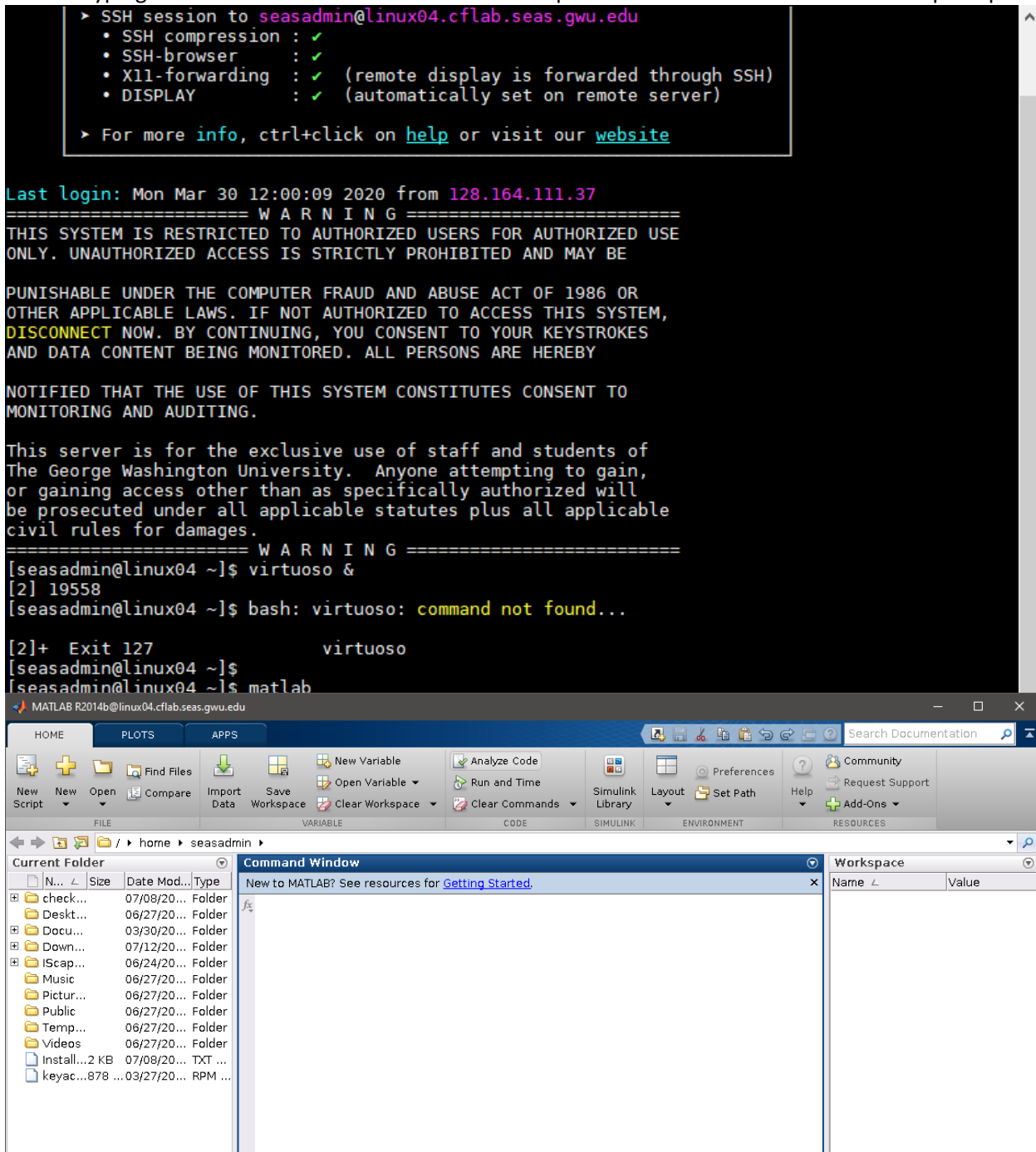
Execute command: Do not exit after command ends

SSH-browser type: SFTP protocol ▾ Follow SSH path (experimental)

Use private key Adapt locales on remote server

Execute macro at session start: <none> ▾

6. Once logged in, run commands to launch your programs as you normally would. For example, typing “matlab” will launch Matlab in a GUI. Be patient! It will take a few seconds to open up.



```
> SSH session to seasadmin@linux04.cflab.seas.gwu.edu
• SSH compression : ✓
• SSH-browser      : ✓
• X11-forwarding   : ✓ (remote display is forwarded through SSH)
• DISPLAY          : ✓ (automatically set on remote server)

> For more info, ctrl+click on help or visit our website

Last login: Mon Mar 30 12:00:09 2020 from 128.164.111.37
===== W A R N I N G =====
THIS SYSTEM IS RESTRICTED TO AUTHORIZED USERS FOR AUTHORIZED USE ONLY. UNAUTHORIZED ACCESS IS STRICTLY PROHIBITED AND MAY BE PUNISHABLE UNDER THE COMPUTER FRAUD AND ABUSE ACT OF 1986 OR OTHER APPLICABLE LAWS. IF NOT AUTHORIZED TO ACCESS THIS SYSTEM, DISCONNECT NOW. BY CONTINUING, YOU CONSENT TO YOUR KEYSTROKES AND DATA CONTENT BEING MONITORED. ALL PERSONS ARE HEREBY NOTIFIED THAT THE USE OF THIS SYSTEM CONSTITUTES CONSENT TO MONITORING AND AUDITING.

This server is for the exclusive use of staff and students of The George Washington University. Anyone attempting to gain, or gaining access other than as specifically authorized will be prosecuted under all applicable statutes plus all applicable civil rules for damages.

===== W A R N I N G =====
[seasadmin@linux04 ~]$ virtuoso &
[2] 19558
[seasadmin@linux04 ~]$ bash: virtuoso: command not found...

[2]+  Exit 127                  virtuoso
[seasadmin@linux04 ~]$
[seasadmin@linux04 ~]$ matlab
MATLAB R2014b@linux04.cflab.seas.gwu.edu
```

The screenshot below shows the MATLAB R2014b GUI interface. The top toolbar includes options like 'New Script', 'Find Files', 'Import Data', 'Save Workspace', 'Open Variable', 'Analyze Code', 'Run and Time', 'Simulink Library', 'Layout', 'Set Path', 'Help', and 'Add-One'. The 'Current Folder' pane shows the file structure of the user's home directory. The 'Command Window' is open, displaying the prompt 'New to MATLAB? See resources for Getting Started.' The 'Workspace' pane is empty.

7. After you are finished, **please type "exit" at the command prompt to disconnect.**