Remote access to Cadence

If you are working off campus:

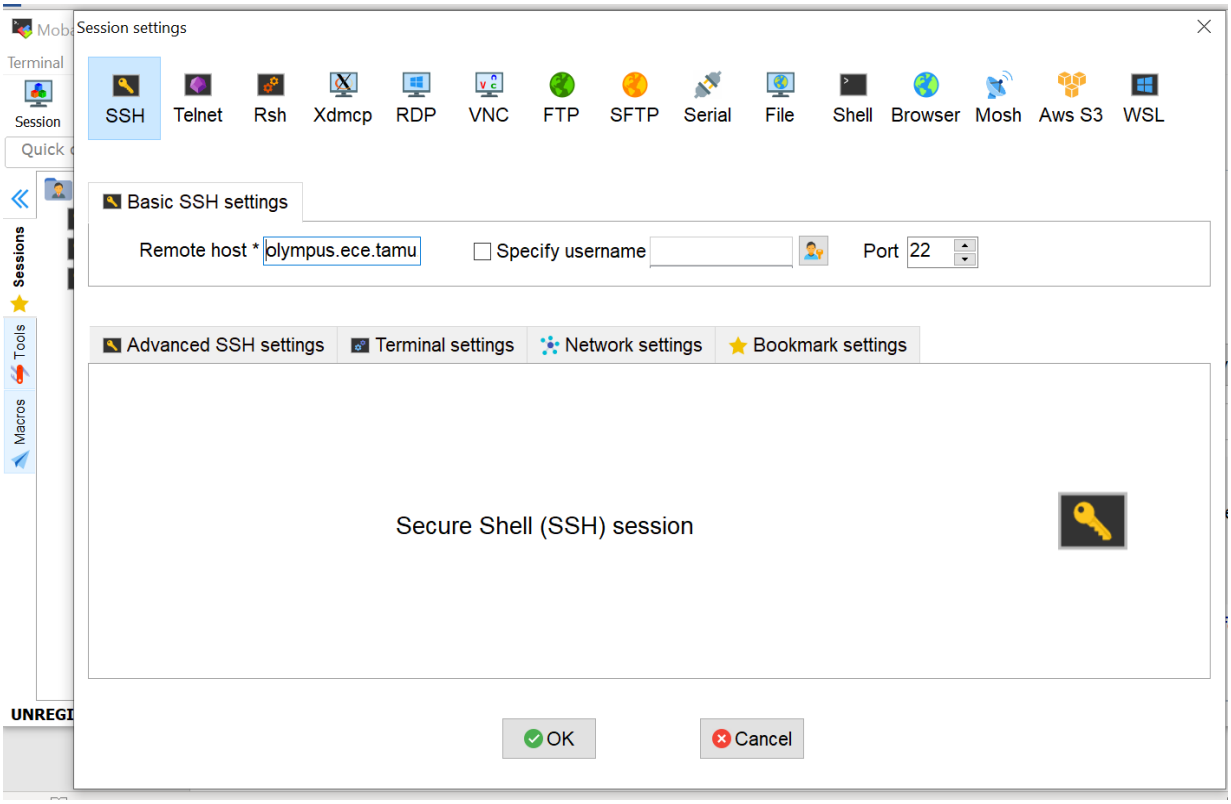
First, connect to TAMU VPN using Cisco:
https://tamuengr.atlassian.net/wiki/spaces/helpdesk/pages/1148059651/Installing+and+Using+Cisco+VPN

If you got error message "failed to create home directory", please refer to:

https://tamuengr.atlassian.net/wiki/spaces/helpdesk/pages/1986396173/Home-directory+Setup

**For Window users:**

1. Download and install MobaXterm.
2. Run the program.
3. On the left side of the menu bar click on Session>>SSH.
4. In the remote host section type: olympus.ece.tamu.edu and click ok.




5. Now, under the user sessions panel, you can see the remote host name (Olympus). Double click on the session. A tab will open and ask for your username and password.

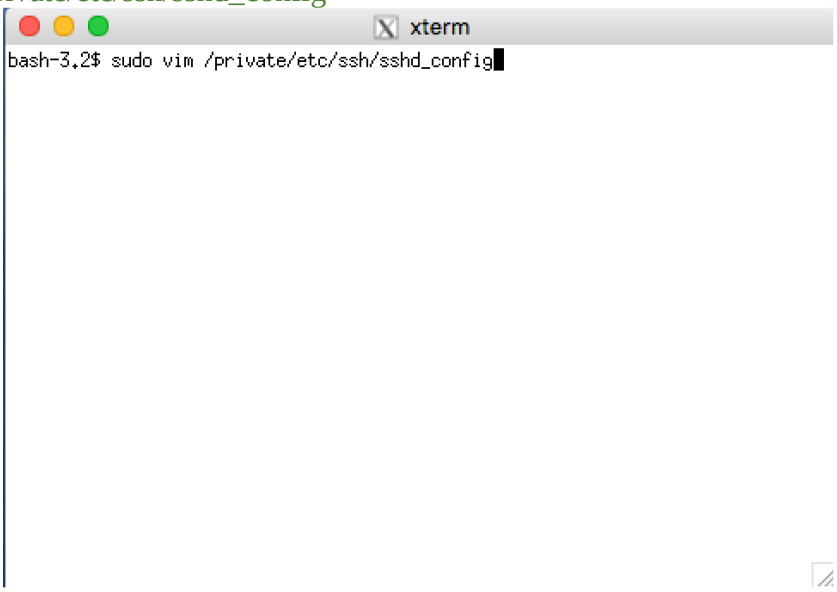
6. **Important step:** When working remotely, after getting logged in, you need to type the following command in the terminal: **load-ecen-454**

Without running the above command, other commands that are used during the labs may not work properly.

**For Mac users:**

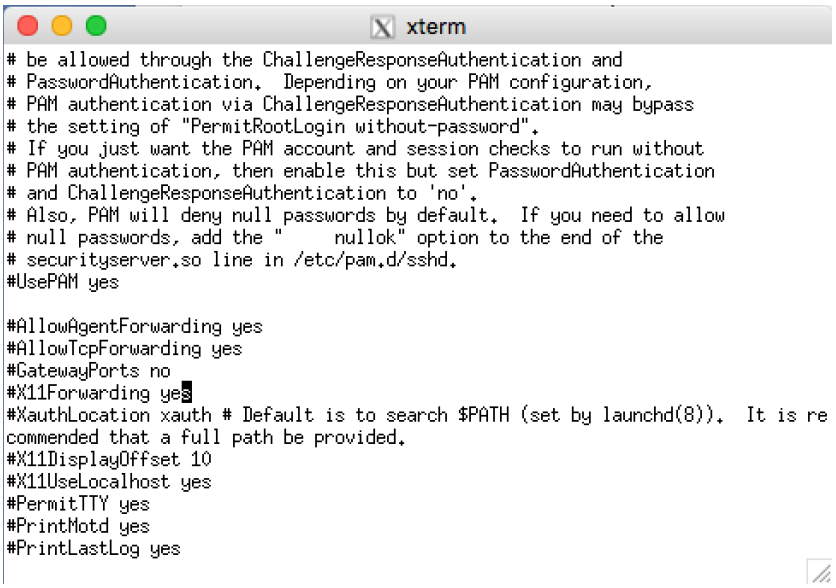
1. Google XQuartz. Download and install it. The XQuartz project is an open-source effort to develop a version of the X.Org X Window System that runs on OS X.

2. Open XQuartz, edit the sshd_config file. The /etc/ssh/sshd_config file is the system-wide configuration file for OpenSSH which allows you to set options that modify the operation of the daemon. If you are not familiar with vim editor, select your preferred editor.
$ sudo vim /private/etc/ssh/sshd_config




Notice: Since this is a configuration file for OpenSSH server, you could make a backup of your sshd_config file by copying it to your home directory

3. Find "X11Forwarding no" option and set it to yes




4. Save the file by command ":w!", then quit by command ":q!"
You can run "$ vim /private/etc/ssh/sshd_config" to check if your setting works.

5. Under the bash root, using your NetID to launch hera.ece.tamu.edu SSH server
$ ssh -X NetID@olympus.ece.tamu.edu

6. Enter your password to log in. After getting logged in, you need to type the following command in the terminal: **load-ecen-454**

**Setting up Cadence Virtuoso**

1) Log in to the systems using your NETID login and password (similar to logging in HOWDY portal).

2) Open a terminal, create a directory named "ecen454_714" (or a name you prefer) under your home directory using mkdir command:

mkdir ~/ecen454_714

3) Change your working directory to the directory you created using cd command (cd ~/ecen454_714)

4) Execute the following commands:

- source /opt/coe/cadence/INCISIVE152/setup.INCISIVE152.linux.bash
- source /opt/coe/ncsu/ncsu-cdk-1.6.0.beta/ncsu.sh