Running MATLAB remotely on MacOS

How to use SSH through xterm

1. Download and install XQuartz: https://dl.bintray.com/xquartz/downloads/XQuartz-2.6.11.dmg

2. Open a new Finder window, and navigate to Applications > Utilities > and double click on the XQuartz.app to open it. An xterm window should open.

3. In this xterm window, ssh into kangaroo using the -Y argument:
ssh -Y *username*@kangaroo.nvu.vsc.edu
where the username is your Linux username.
   - Note that all Linux commands are case-sensitive. This is ssh (lowercase), a single space, a single dash, a capital Y, a space, followed by the name of the SSH server.

4. Press the return key. You'll be prompted to enter your Linux password.
   - It will look like you aren't typing anything in for your password, but you are. Your Linux username and password are NOT going to be the same as your VSC Portal username and password.
   - If you don't remember or know your Linux username or password, please contact Jason Kaiser: Jason.Kaiser@NorthernVermont.edu

5. To login to a Linux computer that has MATLAB installed, you'll need to know the computer name. The following computer names have MATLAB installed:

   ```
   L-DL-ASAC31701
   L-DL-ASAC31702
   L-DL-ASAC31703
   L-DL-ASAC31705
   L-DL-ASAC31707
   ```

6. Type the following into the xterm window to login to a specific computer:
ssh -Y *computername*
   - Where *computername* is one of the computers in step 5, above

7. Type in: **matlab** (all lowercase), and press Enter. You should get a MATLAB window open.

8. If MATLAB is slow on one of the computers in step 5, type **exit** to log out of that computer, and then login to a different computer using the next computer name (if a lot of people are logged into the same computer simultaneously, MATLAB may be slow). Additionally, if you are on a wifi connection, try connecting to a wired Internet connection for improved speed and reliability.

9. To access MATLAB remotely in the future, click on the XQuartz icon (black X with an orange circle around it) in the dock, or open a Finder window and navigate to Applications > Utilities > and double click on XQuartz If the xterm window doesn't automatically open, click Applications (next to XQuartz) and then Terminal along the top. Then, follow the instructions above starting at step 3.

**If you have questions or trouble,
please email Jason Kaiser:** jason.kaiser@northernvermont.edu