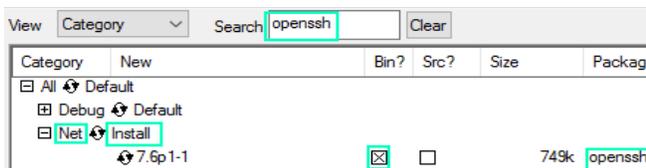


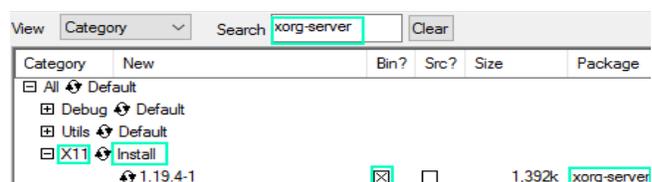
X11 Forwarding on Windows with Cygwin

1. Download Cygwin installer from cygwin.com/install.html. Obtain suitable version for your Windows (32bit or 64bit)
2. Install Cygwin using the installer downloaded in Step 1, and follow the instructions below:
 - a) Click “Next” on initial window.
 - b) Next window, choose “Install from Internet”, then click “Next”.
 - c) Next window, you can select the location where you want to install Cygwin. Click “Next” to install in default location
 - d) Next window, you can select a location where you want to store the installation files. Click “Next” to install in default location.
 - e) Next window, select the Internet Connection type, and click “Next”.
 - f) Next window, select a download site from Available Download site list, and click “Next”.
 - g) Next window, select following package as show below and click “Next”.
(Note: Make sure you change “Default” to “Install”)

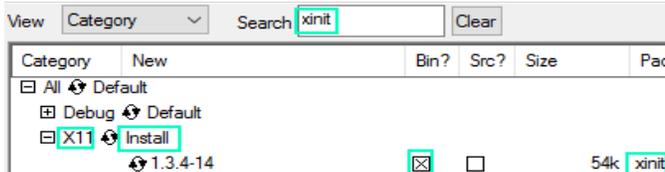
openssh



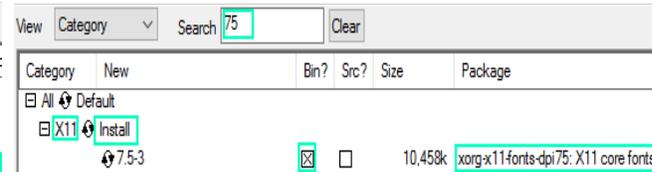
xorg-server



xinit



75



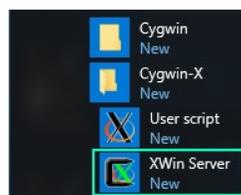
Note: 75 is only required for CSE202 graphical programs using CCC library.

- h) Next window, make sure to check “**Select require packages**”, and click “Next”.

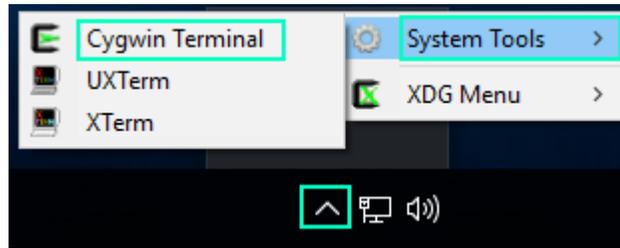


- i) Next window, it is recommended to add icons to Start Menu for access.

3. Start “XWin Server” from the Start menu → Cygwin-X → XWin Server.

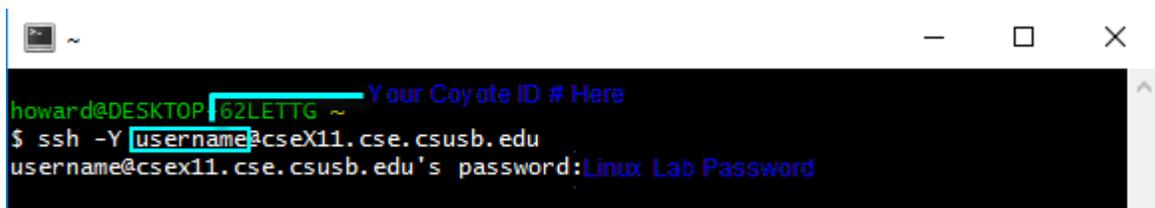


4. Once “XWin Server” starts, you will see  icon at notification area. Right-click on the icon and select “System Tools” → “Cygwin Terminal”



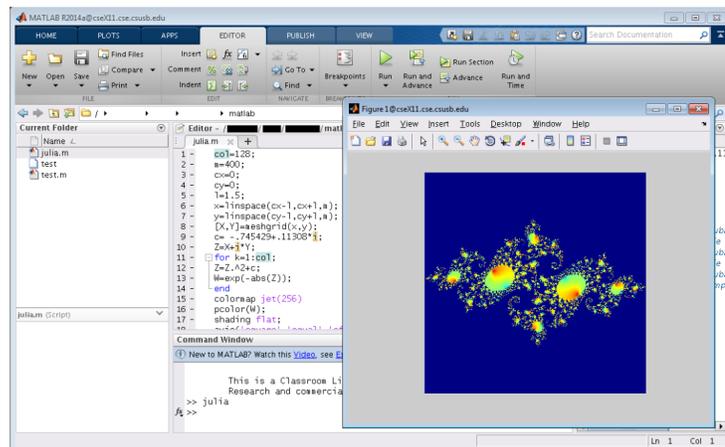
5. Type in the ssh command as shown below, then type in your Linux lab password when asked.

```
ssh -Y YourCoyoteID@cseX11.cse.csusb.edu
```



6. you can run graphical applications by running the commands in the terminal.

- gedit
- CSE 202 graphical program
- matlab
- etc



Additional Extra Tip

If you are experiencing slow response on graphical application, try swapping the ssh command in Step 5 with the one below:

```
ssh -YC -c blowfish YourCoyoteID@cseX11.cse.csusb.edu
```