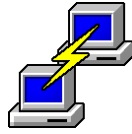


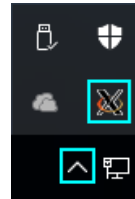
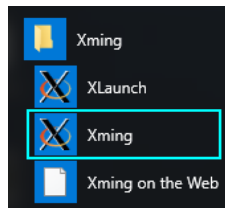
SSH X11 Forwarding on Windows with Putty & Xming

For Windows users:

1. Get [PuTTY](#) (choose **MSI Windows Installer**), [Xming](#), and [Xming-fonts](#) (required for CSE202 work) installer, and install them on your computer.

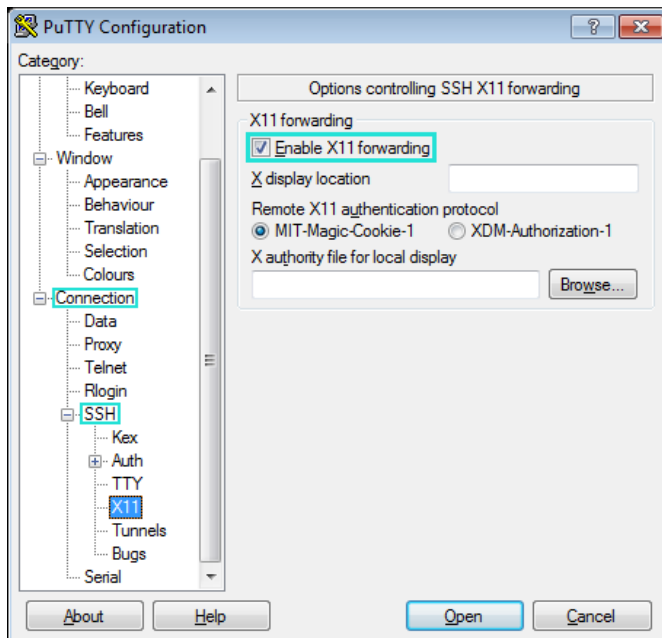


2. Start “Xming” from start menu, then you should see Xming icon on notification area.

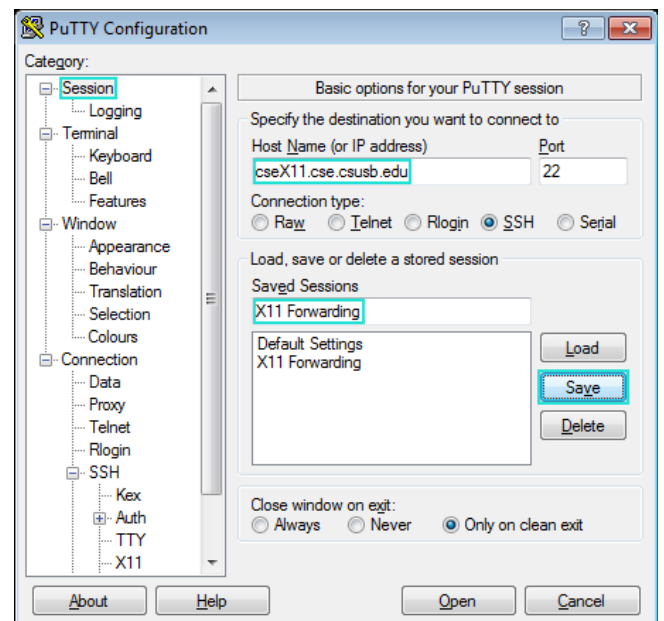


3. Start PuTTY and connect to host `cseX11.cse.csusb.edu` with following configuration.
 - a) From **Category** pane on left side, go to **Connection** → **SSH** → **X11**, then put check mark on “**Enable X11 forwarding**” option. (see Screenshot 1 below)
 - b) From **Category** pane on left side, go to **Session**, type in “**cseX11.cse.csusb.edu**” in **Host Name** input box. You can save the required session configuration by naming in saved session box, then click on “**Save**”. (see Screenshot 2 below)
 - c) Click on “**Open**”, and type in your username (Coyote ID #), then your Linux LAB password. (see Screenshot 3 below)

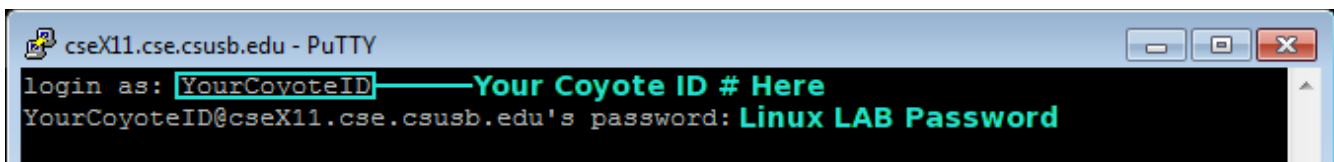
- Screenshot 1 -



- Screenshot 2 -

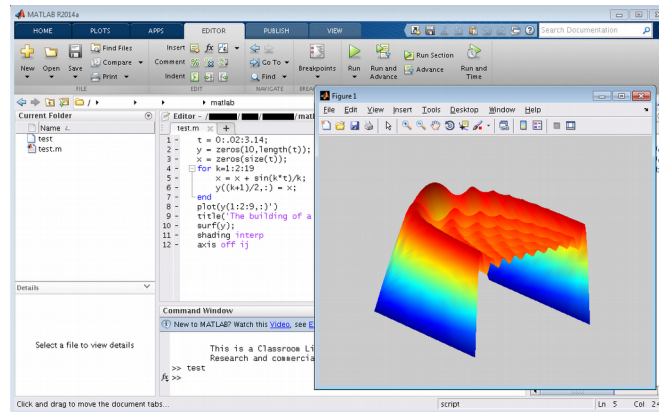


- Screenshot 3 -



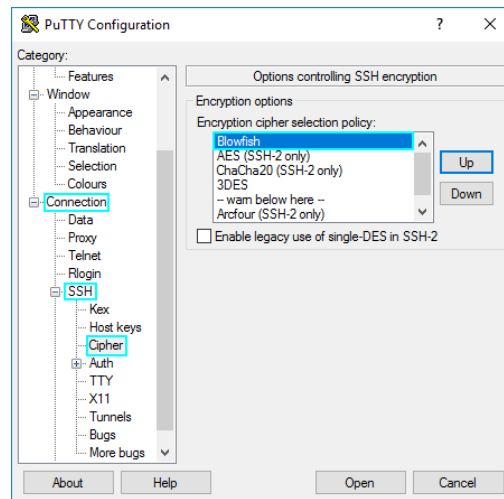
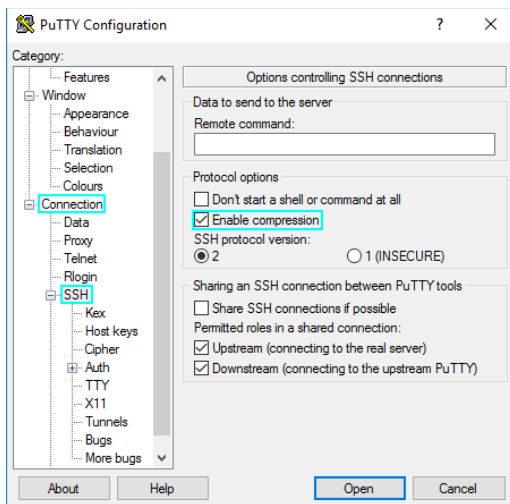
4. You can run graphical applications by running command in terminal.

- gedit
- CSE 202 graphical program
- matlab
- etc



■ Additional Extra Tip

If you are experiencing slow response on graphical application, you can configure PuTTY by go to **Connection** → **SSH**, check on **“Enable compression”** and then go to **Connection** → **SSH** → **Cipher Connection** → **SSH** and move **“Blowfish”** to top of Encryption cipher selection policy. (See screenshot)



For Linux users:

1. Open Terminal
2. Type in the following command:
`ssh -Y username@cseX11.cse.csusb.edu`

Note: For CSE 201/202 students, make you sure have the following package installed:
 xfonts-75dpi (Ubuntu/mint/Debian Based Linux)
 xorg-x11-fonts (Fedora/Scientific Linux/Red Hat Based Linux)
 xorg-fonts-75dpi (Arch Linux)

For Mac users:

For OS X 10.6.3 or earlier:

1. Run: “Application > Utilities > Xterm”
2. Type: `ssh -Y username@cseX11.cse.csusb.edu`

For OS X 10.6.3 or later:

1. Install “XQuartz”
2. Run “Application > Utilities> Xquartz > Applications > Terminal”
3. Type: `ssh -Y username@cseX11.cse.csusb.edu`