For Windows users:

- Screenshot 1 -

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





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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 2 -



- 4. You can run graphical applications by running command in terminal.
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- Additional Extra Tip

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CSE 202 graphical

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

🕵 PuTTY Configuration	? ×
Category:	
Features Appearance Behaviour Translation Selection Colours Connection Data Proxy Teinet	Options controlling SSH connections Data to send to the server Remote command: Protocol options Don't start a shell or command at all ✓ Enable compression SSH protocol version: © 2 1 (INSECURE)
Rlogin 	Sharing an SSH connection between PuTTY tools Share SSH connections if possible Permitted roles in a shared connection: Upstream (connecting to the real server) Downstream (connecting to the upstream PuTTY)
About Help	Open Cancel



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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