

Using Xming for X Windows Emulation on Lyle Unix Accounts

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Overview and Setup

This document assumes that you have an SMU Lyle Unix account, and want to have X-Windows emulation on a Windows computer. X-Windows emulation is **required** to run most of the CAD tools (such as Synopsys and Cadence tools) on your Unix account. **Xming** is an X-Windows emulator that runs on Windows machines.

You will need to install two programs on your computer: Putty and Xming

1. Putty – download from <http://www.putty.org/>
 - a. Install on your computer using the default settings
 - b. The icon for putty on your desktop will be the following:



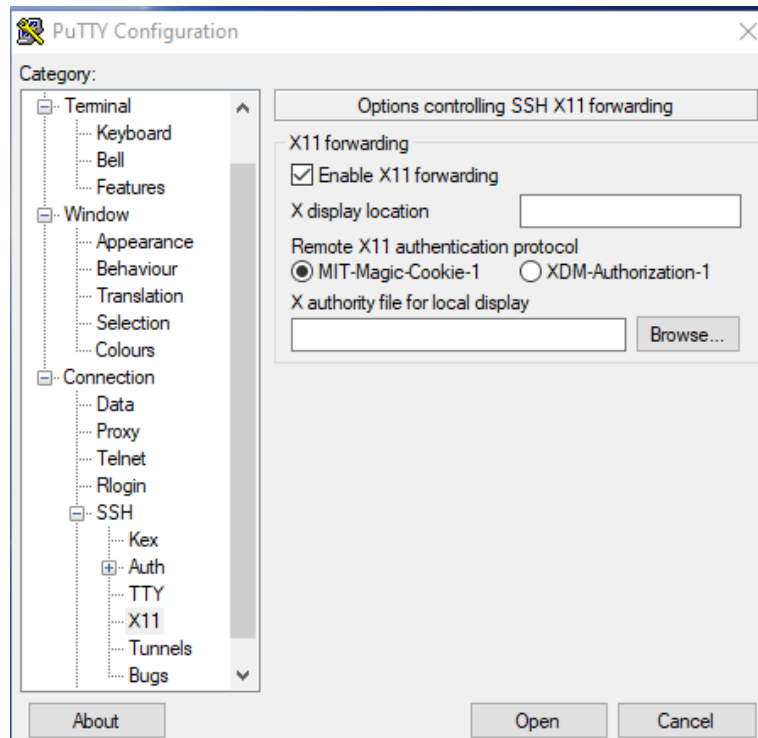
2. Xming – download from <http://sourceforge.net/projects/xming/files/>
 - a. Install on your computer using the default settings
 - b. The icon for Xming on your desktop will be the following:



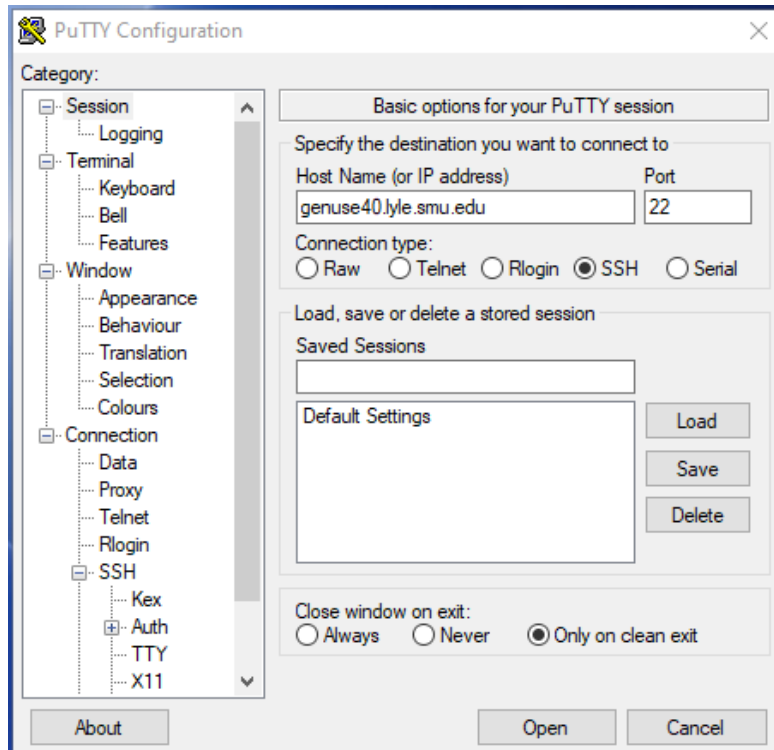
Running Xming

After you have installed both Putty and Xming, you are ready to use your Lyle Unix account in X-windows. Do the following:

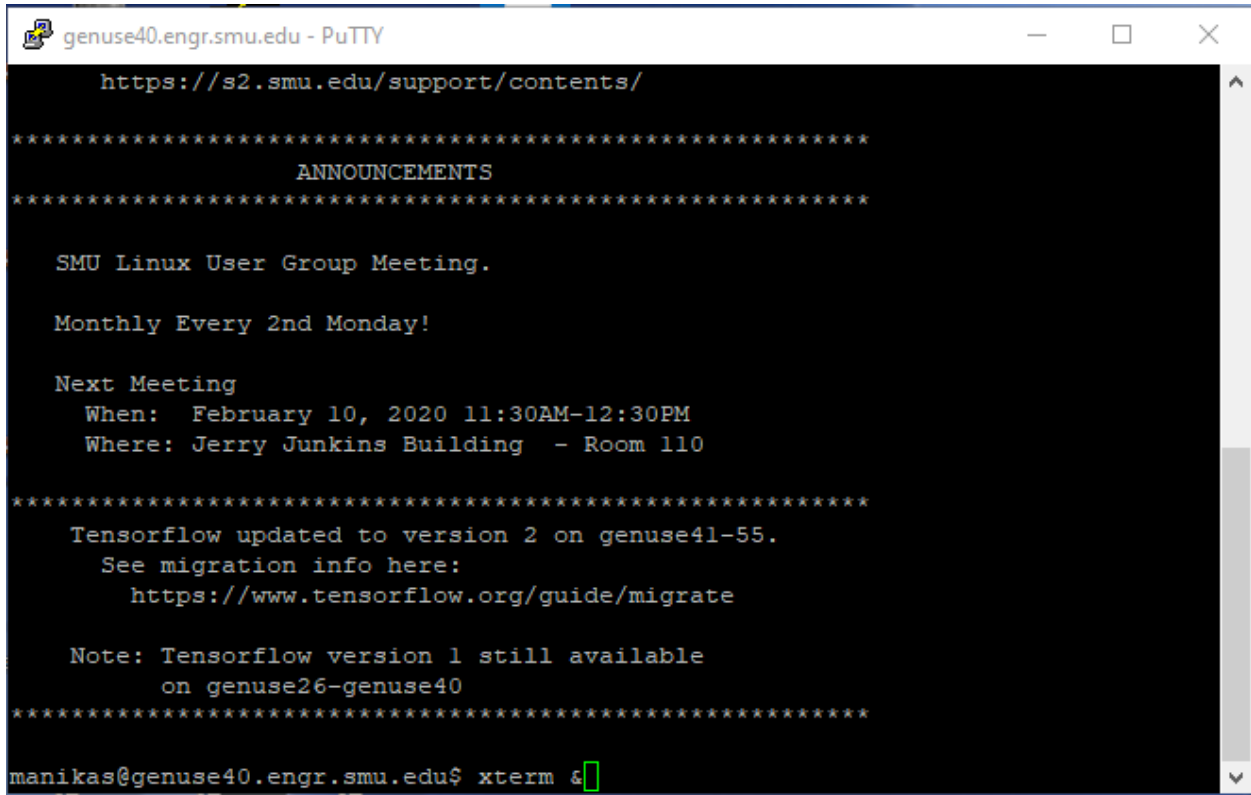
1. First, start Xming – double-click on the Xming icon on your computer desktop
2. Next, start Putty – double-click on the putty icon on your computer desktop
 - a. Go to the X11 screen (Connection, SSH, X11), and enable X11 forwarding by checking the box:



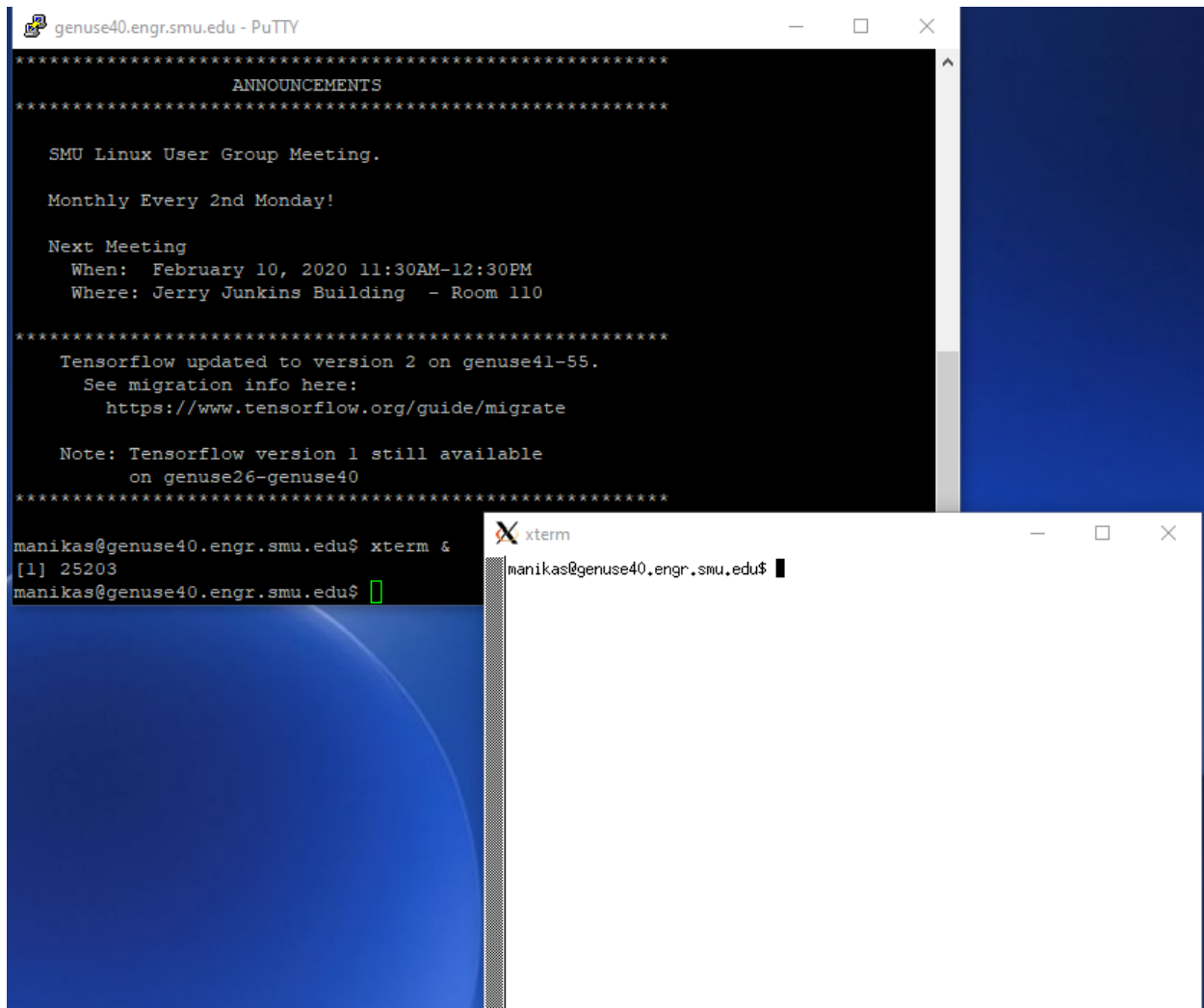
- b. Now go to the Session screen and enter a host name for the Lyle Unix server
 - i. List of Lyle Unix servers (General Use Linux Machines) can be found at <https://www.smu.edu/OIT/Services/genuse>
 - ii. I will use genuse40.lyle.smu.edu as an example (below)
- c. Click on **Open** to launch the Putty window.
 - i. NOTE: If this is the first time your computer has accessed the selected Lyle Unix server, you may get a “Putty Security Alert”. If so, click Yes to continue.



- d. The Putty window will open – login using your Lyle Unix account username and password



- e. In the Putty window, type **xterm &** to launch an Xming X window (xterm). NOTE: You have to click on the Xming icon on the bottom tool bar of your screen to show the X window.



Note: All CAD tools should be run from the xterm window.