

Connecting to the cosmos computer from home using Microsoft Windows

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Obvious assumption: Your home computer is connected to the internet.

You need two free programs running on your machine: PuTTY and Xming. You can download putty.exe from the web site,

<http://www.putty.org/>

This will get you an “executable file” which you can stick in My Documents or wherever is convenient. In Internet Explorer you will have the option to run or save the file. *Save* it. It will put up a window to allow you to choose what folder you want to save it in.

You can get Xming, from the web site <http://sourceforge.net/projects/xming/>

Go there and click on Download. Again, in Internet Explorer you will have the option to run or save the file. This time, *RUN* it. (It’s the setup program.) This will install Xming on your PC in a way that shows up in your list of programs. You can accept all the defaults in the installation. You don’t need to have it run Xming after the install. (That’s an option they provide.)

Now you are ready to use it. You run Xming first and then PuTTY:

Run Xming by clicking on it in your programs menu. Nothing seems to happen but it does show up on your taskbar. It’s the X server.

Then run PuTTY. Use Windows’ file Explorer to go to wherever you stored it and double click on the icon. A dialogue box will appear.

In Host Name, enter: cosmos.colorado.edu

Make sure the SSH checkbox is selected.

There is tree hierarchy drawn on the left side of the dialogue box. In it, click on SSH and it will expand to include a choice of X11. Click on X11.

This changes the main area on the right.

In the main area on the right, click on “Enable X11 forwarding”.

Under X display location enter localhost:0

Click on “Open”

A Windows “console window” will appear prompting “login as:”

Enter your CU login and when it prompts for Password enter your Identikey.

You will see the login info and a cosmos prompt.

Now it’s just like being in the cosmos lab.

You can run **gedit** and you can run IDL with graphics.

Type **exit** to quit.

Copying your files

Go to <http://oit.colorado.edu/ssh> and download the SSH Secure Shell client.

Install it. You should have 2 new programs: SSH Secure Shell Client and SSH Secure File Transfer.

Open SSH Secure File Transfer.

Click the Quick Connect button in the upper left.

Enter `cosmos.colorado.edu` as the hostname and your CUID username as the username, then press 'connect'. You'll be asked to enter your password - do that.

You will then be presented with a familiar file browser window. Local files (files on your computer) are on the left side, and remote (at cosmos) files and directories are on the right side.

You can drag-and-drop files from the left (local) side to the right (remote) side to copy them there.

If you want to turn things in directly, you can also do this by entering the exact path on the right side: `/home/shared/astr2600/assignment#/YourName/`. You will not be able to see the contents of the directory, but you can drag & drop onto the folder, which should be pink instead of yellow.

If this doesn't work for you, you can use one of the above methods to connect to cosmos and do the normal `cp` command to copy files from your home directory.