

How to Connect from Home

with Mac OS X

Originally by Matt Johnson, Fall 2006

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You should read this guide if you want to work from home by connecting to the school computers. With this set-up you can work just as if you are sitting at a lab terminal and keep all your files together and easily accessible from the lab.

This guide won't help with learning to use the UNIX environment. This guide also won't help if you are using a PC, so if you're on a PC go to the other guide!

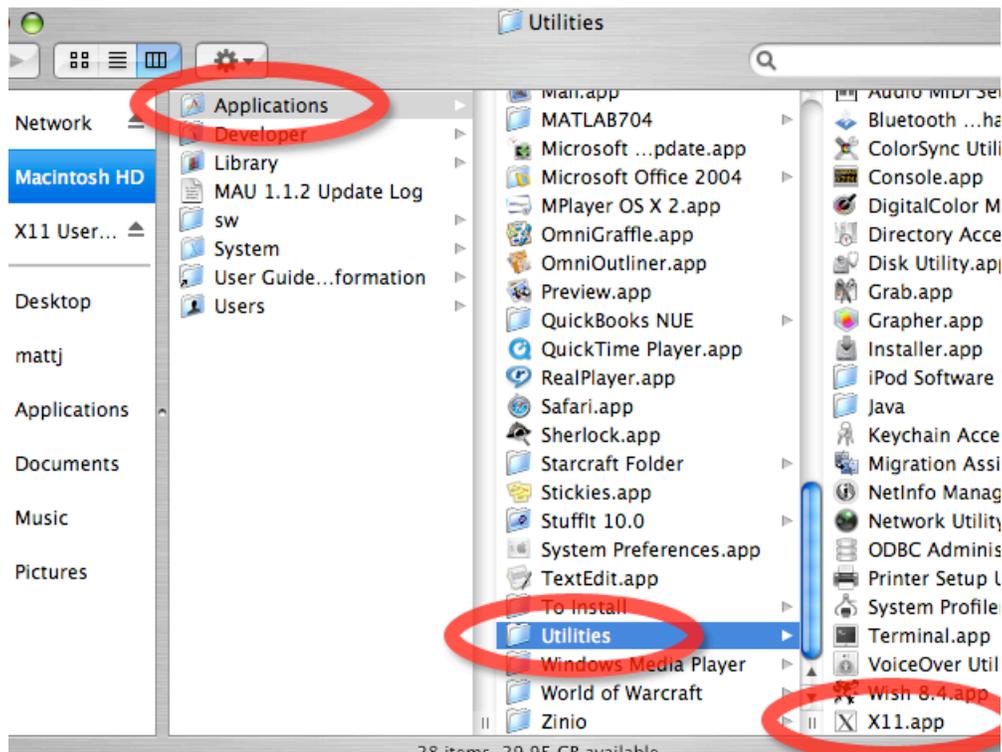
Connecting with Mac OS X

The good news is that this is way easier than connecting with Windows, so you have another thing to gloat about to your PC friends!

First you need to download and install X11 for Mac OS X (if you didn't already install it from your OS X install disc). You can download it from Apple here:

<http://www.apple.com/support/downloads/x11formacosx.html>

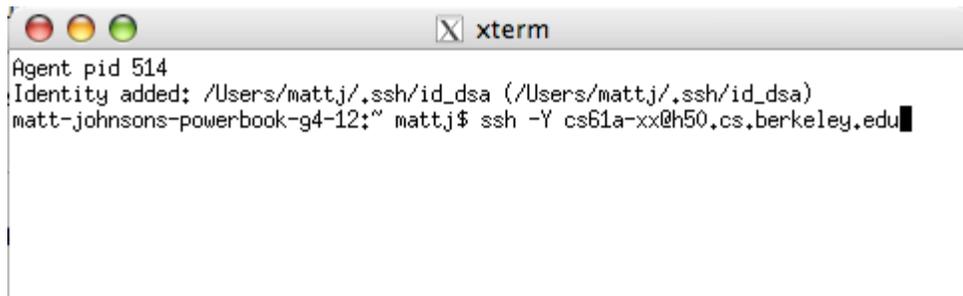
After the download finishes, mount (double click on) the .dmg file (X11User.dmg) and run the .pkg installer (in the "X11 User for Mac OS X" volume). Click through the installer and the X11 application will appear in /Applications/Utilities/ (if you get an error, check the end of this document)



Open up the X11 program (it may not have the .app extension showing on the end) and you will get an xterm terminal. You need to make a network connection with the SSH program to one of the Berkeley servers. Just type the command “ssh -Y <class-account>@<server>.berkeley.edu” where you should replace <class-account> with your class account name and <server> with one of the Berkeley server names below:

cory.eecs	c199.eecs	po.eecs	h30.cs	h50.cs
nova.cs	star.cs	pulsar.cs	solar.cs	quasar.cs
torus.cs	rhombus.cs	sphere.cs	pentagon.cs	cube.cs

It doesn't really matter which one you choose, since your files will follow you around to any of them, but the designated server for 61A is h50.cs. The command should end up looking something like “ssh -Y cs61a-xx@quasar.cs.berkeley.edu”:



After you hit enter you'll be prompted for your class account password, and then you'll see some text print out followed by a friendly looking command prompt. You can use this terminal window just like you would the terminal in the lab to manage your files and programs (use the emacs& command to open an emacs window).

That's it! Any time you want to connect and do some work, just open X11 and use the same command (ssh -Y ...) in the xterm window. If you have any questions, just ask your TA.

And if you want to read more about SSH or the X11 window system, check out

<http://en.wikipedia.org/wiki/Ssh>
<http://en.wikipedia.org/wiki/X11>

If you received an **error** that says you cannot install X11 because you have newer software on your computer, you need the X11 installer that is on the OS X 10.4 Tiger install disk (the one on the apple website is out of date). Follow these steps:

1. **Find your OS X Tiger CD or DVD** (it may be the disk that came with your computer, i.e. “MacBook Install CD” or something).
2. **Find and run the X11 installer in the Optional Installs package**, “Optional Installs.mpkg”.