The following tools are required for Day 1:

1. A web browser (e.g. Firefox, Chrome)

2. The IMOD software package, a set of image processing and visualization tools for microscopic data.

   A. For Windows:

      i. Download the appropriate 'Cygwin Installer' from:
      http://bio3d.colorado.edu/imod/download.html#Cygwin

      Run the downloaded '.exe' file and follow installation directions that appear

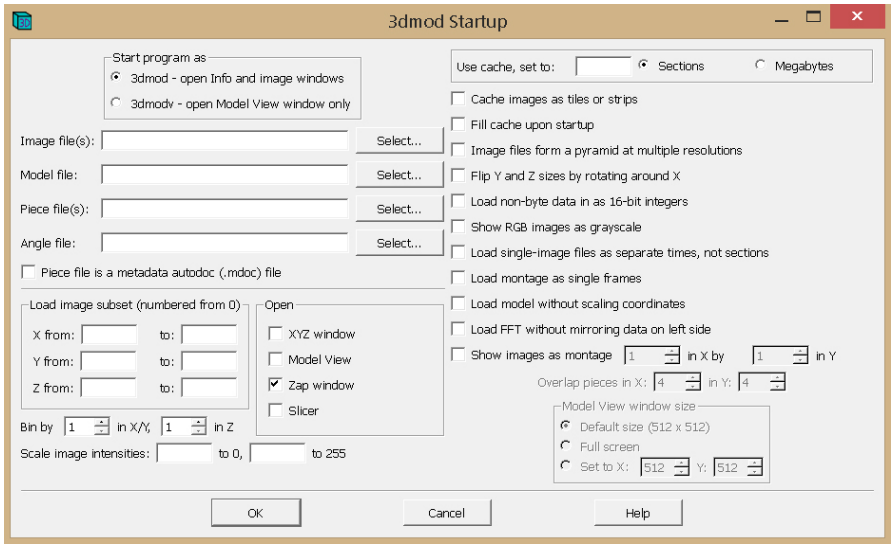
      Note: "When running Cygwin setup you MUST change the selection from "Default" to "Install" in the Select Packages dialog. A note about this will be displayed during installation as well.

      ii. Download the appropriate IMOD 'clickable installer' from:
      http://bio3d.colorado.edu/imod/download.html#Latest-Windows

      Run the downloaded '.exe' file and choose to install IMOD with the default options.

      Verify that you can open the IMOD GUI, 3dmod. Open Cygwin by double-clicking the desktop icon and, at the Cygwin command line, type '**3dmod**' (without the quotes) and hit enter. You should see the following pop up:

      iii.



   B. For Mac:

      i. Download the appropriate installer from:
      http://bio3d.colorado.edu/imod/download.html#Latest-Mac

ii. Follow the installation instructions at:
http://bio3d.colorado.edu/imod/doc/guide.html#InstallingMac

iii. Verify that you can open the IMOD GUI, 3dmod. Open the Terminal app, type '3dmod' (without the quotes) and hit enter. You should see a pop up similar to the above figure.

Instructions on how to open the Terminal app:
http://www.wikihow.com/Open-a-Terminal-Window-in-Mac

C. For Linux:

i. Download the appropriate installer from:
http://bio3d.colorado.edu/imod/download.html#Latest-Linux

ii. Follow the installation instructions at:
http://bio3d.colorado.edu/imod/doc/guide.html#InstallingLinuxSGI

iii. Verify that you can open the IMOD GUI, 3dmod. Open a terminal and at the command line, type '**3dmod**' (without the quotes) and hit enter. You should see a pop up similar to the above figure.

3. An SSH client

A. For Windows: The Cygwin client that was installed with IMOD is sufficient.
B. For Mac/Linux: The default Terminal app is sufficient.

4. A public SSH Key (If you haven't already generated one)

A. For Mac/Linux:

i. Open a terminal and at the command line type '**ssh-keygen**' (without the quotes). Follow instructions and enter a unique password.

ii. In the terminal type '**cd ~/.ssh**' and '**ls**' to see a listing of files.

The '***id_rsa***' file is your private key and should be kept safe. NEVER SHARE THIS FILE.

The '***id_rsa.pub***' file is the public key that we will be putting onto Rocce cluster to enable access.

B. For Windows:

i. Open Cygwin by double-clicking the desktop icon and, at the Cygwin command line, type '**ssh-keygen –f ~/.ssh/id_rsa**' (without the quotes) and hit enter. Follow instructions and enter a unique password.

ii. In the same command line window type '**cd ~/.ssh**' (without the quotes) to change to the *.ssh* directory where the key files should exist.

The '***id_rsa***' file is your private key and should be kept safe. NEVER SHARE THIS FILE.

The '***id_rsa.pub***' file is the public key that we will be putting onto Rocce cluster to enable access

iii. Type '**explorer .**' (without the quotes, but include the period) to see the files in a file browser.

The public key is circled in red below.