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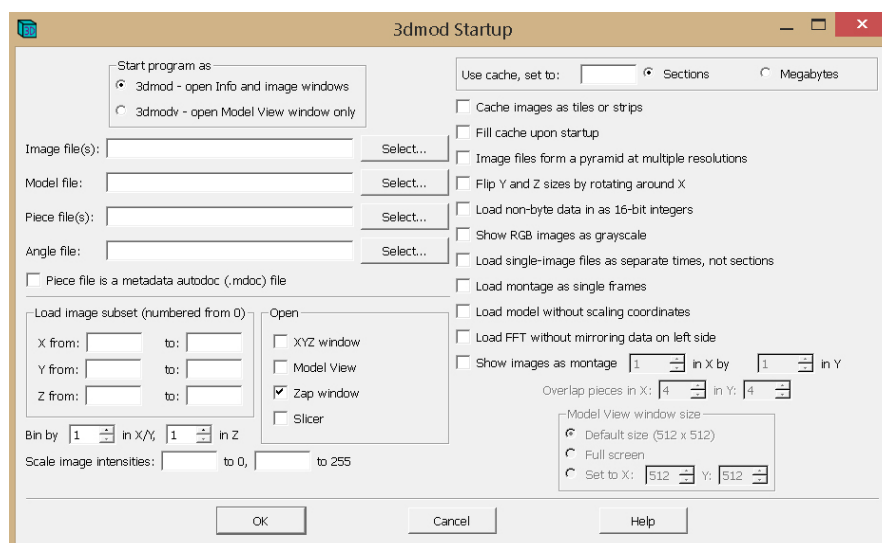
      ii.   Download the appropriate IMOD 'clickable installer' from:
            http://bio3d.colorado.edu/imod/download.html#Latest-Windows

            NOTE: If you don't know your CUDA version just pick the installer for 'Windows 64-bit with CUDA 3.0'

            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
      iii. '**3dmod**' (without the quotes) and hit enter. You should see the following pop up:

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.