Logging in from Windows - Overview

Overview

The HPC clusters cannot be accessed directly from the Internet - access is a two-step process:

1. Log in to hpc.nyu.edu
   This is a "bastion host", providing a secure gateway between the NYU HPC clusters and the Internet. You will find that on hpc.nyu.edu itself you can do very little save but to log in to an NYU HPC cluster

2. Log in to the cluster you wish to use
   This will put you on a "login" node for that cluster, from where you can manipulate files and initiate jobs. This is not the place for heavy compute work: you submit that as a job to the compute nodes via the batch queuing system. Instructions for using the batch system can be found here (but you don't need to worry about that yet)

To log in you will need an SSH client. We recommend PuTTY SSH but others are also available, see ITS Software & Licensing for links.

After using PuTTY to get to hpc.nyu.edu you will use the program ssh from a terminal window. If you are unfamiliar with the command line interface this may seem daunting - relax, it's easy and vastly more powerful than point-and-click. We have a basic tutorial here.

If you wish to use any software with a graphical interface, your Windows workstation must have an X server installed and running. This is described further in Preparing your Windows workstation below

For easier access and to transfer files between your workstation and the clusters, you will eventually want to set up SSH tunneling