Getting Started on HPC Mercer Cluster

Logging in to Mercer is the same 2-stage process as logging into any other NYU HPC cluster. The host name is 'mercer.es.its.nyu.edu'.

The HPC clusters (Mercer and Dumbo) are not directly visible to the internet (outside the NYU Network). If you are outside NYU's Network (off-campus) you must first login to a bastion host named hpc.nyu.edu.

The diagram below illustrates the login path.

The clusters can still access the internet directly. This may be useful when copying data from servers outside the NYU Network - see: How to copy files to and from the HPC clusters.

Alternatively, instead of login to the bastion host, you can use VPN to get inside NYU's network and access the HPC clusters directly. Instructions on how to install and use the VPN client are available here.

You can't do anything on the bastion host, except ssh to the HPC clusters.
• From an **off-campus location (outside NYU-NET)**, logging in to the HPC clusters is a **two-step process**:
  a. First login to the bastion host, `hpc.nyu.edu`. From a Mac or Linux workstation, this is a simple terminal command (replace `my_netid` with your `NetId`). Your password is the same password you use for NYU Home:
     ```
     ssh -X my_netid@hpc.nyu.edu
     ```
     *Windows users* will need to use Putty, [see here for instructions](#).
  
  b. Next login to the cluster. For Mercer, this is done with:
     ```
     ssh -X mercer
     ```

• From **within the NYU network**, that is, from an on-campus location, or after you **VPN** inside NYU's network, you can login to the HPC clusters **directly**. You do not need to login to the bastion host.

  To login in to the HPC cluster (**Mercer**), simply use:
  ```
  ssh -X NYUNetID@mercer.es.its.nyu.edu
  ```

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