Copy of Running jobs on the NYU HPC clusters
Working on the HPC clusters is not the same as working at a desktop workstation: in order to provide high performance computing to many users simultaneously, computational work must be packaged into a job - a script specifying what resources the job will need and the commands necessary to perform the work - and submitted to the system to be run without further input from the user. The system then schedules and runs the job on a dedicated portion of the cluster. Note that there is a way to work interactively within this model, for work which cannot be scripted, such as debugging.

Job Scheduling

Login and Compute Nodes

Queues

Writing a Job Script

Submitting a Job

Monitoring Jobs
Canceling a Job