Copy of Running jobs on the NYU HPC clusters

Quick Links

HPC Home
Getting an account
Gentle Introduction to using HPC
Getting started on Prince
Prince How-to Articles
Logging in
  Windows
  Mac / Linux
Clusters and Storage
  Prince (HPC)
  Dumbo (Hadoop)
  Brooklyn (OpenStack)
  Dalma (NYU Abu Dhabi)
Transferring data to/from the clusters
Transferring data to/from Prince cluster using Globus
Submitting jobs with sbatch
Available software
Licensed Software
Available on the HPC Cluster
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**

(more...)

**Login and Compute Nodes**

(more...)

**Queues**

(more...)

**Writing a Job Script**

(more...)

**Submitting a Job**

(more...)

**Monitoring Jobs**
Canceling a Job