## Getting or renewing an HPC account

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Dalmata (NYU Abu Dhabi)

- Transfering data to/from the clusters
- Transfering data to/from Prince cluster using Globus
- Submitting jobs with sbatch
- Available software
- Licensed Software Available on the HPC Cluster
- Building Software
- Slurm Tutorial
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- Scratch Area Cleanup
- Programming for Biologists
Who is eligible for an HPC account?

NYU HPC resources are available at no charge to full-time NYU faculty and to all other NYU staff and students with full-time NYU faculty sponsorship (more...)

Getting an account on the NYU HPC clusters

First you need a valid NYU NetID. Your HPC sponsor can request one for you here. You also need a valid NYU Google account to receive emails, as does your HPC sponsor - contact us if you need assistance with this.

Next you need a faculty sponsor.

Finally, log into the NYU Identity Management service and follow the link to "Request HPC account". We have a walkthrough of the process here.

Renewing your HPC account

Each year, non-faculty users must renew their HPC account by filling in the account renewal form from the NYU Identity Management service. See Renewing your HPC account with IIQ for a walk-through of the process.
Information for faculty who sponsor HPC users

You can request a NetID for your student or collaborator here. The request form has additional information about affiliates.

Each year, your sponsored users must renew their account. You will need to approve the renewal by logging into the NYU Identity Management service. We have a walkthrough of the process, with screenshots, here.

**Pre-approving a list of netids for class HPC accounts (see notice above)**

Faculty (who can sponsor HPC accounts) can pre-approve requests in bulk - this is intended to streamline the process of registering a class to use the HPC facilities. Faculty can set this up via the NYU Identity Management service. We also have a walkthrough of the process here.

Getting an account with one of NYU partners

NYU partners with many state and national facilities with a variety of HPC systems and expertise. Contact us for assistance setting up a collaboration with any these.

- **The Open Science Data Cloud**
  Provides 1TB free storage for science data. We encourage researchers to publish datasets associated with published research as “Public Data” on OSDC

- **The NY State High Performance Computing Consortium (hpc^2)**
  Provides high performance computing resources for New York State industry and academic institutions:
  Rensselaer Polytechnic Institute
  Stony Brook University - Dave Ecker
  University at Buffalo
  Brookhaven National Lab
  NYSERNet

- **The Extreme Science and Engineering Discovery Environment (XSEDE)**
  The most advanced, powerful, and robust collection of integrated advanced digital resources and services in the world; a single virtual system that scientists can use to interactively share computing resources, data, and expertise.

- **Open Science Grid**
  A national, distributed computing grid for data-intensive research.

- **The Common Solutions Group**
  for cooperative exploration of common solutions to IT challenges in higher education

- **The Open Science Project**
  is dedicated to writing and releasing free and Open Source scientific software.

- **NYSERNet**
  is a private not-for-profit corporation created to foster science and education in New York State

- **The National Science Foundation**
  An independent federal agency created by Congress in 1950 “to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense.”

- **Oak Ridge National Laboratory**
  The Department of Energy's largest science and energy laboratory.

- **Argonne National Laboratory**
  One of the U.S. Department of Energy's largest research centers. It is also the nation's first national laboratory, chartered in 1946.

- **TOP500 Supercomputer Sites**
  A project started in 1993 to provide a reliable basis for tracking and detecting trends in high-performance computing.