**Who is eligible for an NYU HPC account?**

NYU HPC resources are available at no charge to full-time NYU faculty (other than NYU Medical School).

NYU HPC resources are also available at no charge to other NYU staff, students and collaborators (including NYU Medical School) who have sponsorship from a full-time NYU faculty member.

All sponsored accounts will be created for a period of **12 months**, at which point a renewal process is required to continue to use the clusters. (TODO link to account expiration procedures)

The BuTinah cluster at NYUAD is also available without sponsorship to NYU Medical School researchers. (TODO is my interpretation correct here?)

Eligible users can request an account by following the instructions here (TODO link)

**What is “faculty sponsorship”?**

Full-time NYU faculty can approve access for ("sponsor"):

- Degree program students
- Visiting scholars
- Research staff
- NYU Medical School faculty, staff and students
- Other NYU staff/affiliates with a NetID
- Non-NYU researchers with whom they are actively collaborating

Full-time NYU faculty can also

**Sponsorship Responsibility**

HPC faculty sponsors are expected to:

- Approve/disapprove sponsored users' association with you
- Approve/disapprove the purpose for which user is requesting an account on NYU HPC resources
- Agree to supervise the sponsored individual, to the extent necessary, to ensure proper use of the NYU HPC resources and compliance with all applicable policies.
- Respond promptly to account-related requests from HPC staff

**How to get an HPC account**

1. Before requesting an account, check if you already have one. You can check this by attempting to log in to the cluster, according to the instructions at "Logging in to the NYU HPC Clusters".

   If you don't have an account already:

2. First you need a valid NYU NetID
   Your HPC sponsor (TODO link to sponsorship guidelines) can request one for you here.

3. Next you need a valid NYU Google account to receive emails, as does your HPC sponsor - [contact us at hpc@nyu.edu](mailto:hpc@nyu.edu) if you need assistance with this.

4. Log into the NYU Identity Management service (IIQ): When you log in to IIQ you will see a screen like the image below. Click "Request/Renew HPC Account"
5. You should see a form like this:

![Image of HPC account request form]

If you are not a full-time NYU faculty member, you will need an NYU faculty member to sponsor your application. This is probably your thesis supervisor, or NYU collaborator.

6. Hit submit, and the request will go to your sponsor to approve (if applicable), and your account will be created, usually within a day of being approved.

You will be returned to the dashboard, and now you should see your request in the "Pending Approvals" tables, as shown below:

![Image of dashboard with pending approvals]

7. If after a few days you still do not have an account, check with your sponsor - they may have missed a step in the approval process. If you are still stuck, contact us at hpc@nyu.edu for assistance.

How to renew an HPC account

1. Log into the NYU Identity Management service (IIQ):

You will see a screen like the image below. Do not immediately click the "Request/Renew HPC account" link at the top (crossed out here). If you recently received an email notifying you that your account needs renewal, you will see the request/renewal form under your "Action Items" box (circled here in red). Click this form.
If for some reason you do not have the form in your "Action Items", then click the "Request/Renew HPC account" link at the top.

2. You should see a form that looks like one of these:

If you are not a full-time NYU faculty member, you will need an NYU faculty member to sponsor your application. This is probably your thesis supervisor, or NYU collaborator.

3. Hit submit, and the request will go to your sponsor to approve (if applicable), and your account will be renewed, usually within a day of being approved. You will be returned to the dashboard, and now you should see your request in the "Pending Approvals" tables, as shown below:

4. If after a few days your account has not been renewed, check with your sponsor - they may have missed a step in the approval process. If you are still stuck, contact us at hpc@nyu.edu for assistance.
For full-time faculty - How to approve an HPC account request

When someone nominates you as their HPC sponsor, you should be notified by email. You can also log into IIQ at any time, and if you have a request awaiting your approval, it will appear in your "Actions Items" box.

1. Log into the NYU Identity Management service (IIQ) and check for requests awaiting your approval in the "Action Items" box:

If your sponsee has contacted you about a request awaiting approval, but you do not see it in this list, the request may have expired or they may have missed a step when submitting their request. In either case they will need to resubmit their request according to the instructions at (TODO link).

2. Click on the action item to see details as per the image below. If you are happy to approve the request, click the "ok" button.

3. You will see a dialog in which you can add a comment, if you wish. You can also leave this empty. Click "Add Comment" to close the dialog box:

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...)

(Tip: click "<<" at bottom left to close Confluence sidebar)
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.

4. Finally, hit “Complete” to finish the approval process. The account will then be created automatically within a few hours.

5. If you have any difficulties or questions, contact us at hpc@nyu.edu for assistance.
Pre-approving a list of netids for class HPC accounts

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
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.