<table>
<thead>
<tr>
<th>Quick Links</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPC Home</td>
</tr>
<tr>
<td>Getting an account</td>
</tr>
<tr>
<td>Getting started on Prince</td>
</tr>
<tr>
<td>Prince How-to Articles</td>
</tr>
<tr>
<td>Logging in Windows</td>
</tr>
<tr>
<td>Mac / Linux</td>
</tr>
<tr>
<td>Clusters and Storage</td>
</tr>
<tr>
<td>Prince (HPC)</td>
</tr>
<tr>
<td>Dumbo (Hadoop)</td>
</tr>
<tr>
<td>Brooklyn (OpenStack)</td>
</tr>
<tr>
<td>Dalma (NYU Abu Dhabi)</td>
</tr>
</tbody>
</table>
Transferring data to/from the clusters
Transferring data to/from Prince cluster using Globus
Submittng jobs with sbatch
Available software
Licensed Software Available on the HPC Cluster
Building Software
Slurm Tutorial
Tutorials
FAQs
Scratch Area Cleanup
Programming for Biologists
Acknowledgement Statement
Research Gallery
HPC People
Something went wrong!

Why does running "ls" on /scratch take so long?

I can't login

When trying to login, I get warning s about "HOST IDENTIFI CATION HAS CHANGED"

What happened to my data on /scratch?

In the library, my wireless connectivity keeps dropping out. How can I fix it?

I'm getting a "module: command not found" error
Warning: no access to tty (Bad file descriptor), Thus no job control in this shell

I get an error “Warning: no display specified.” when I use -X flag with ssh

Who killed my job, and why?

I got an email “Please do not run jobs on login nodes”

Running jobs

What resources can and should I request?

Can I make sure a job gets executed only after another one completes?

How do I log in to a specific node?

How can I make sure my job is running smoothly?
My job will take longer than 48 hours, what should I do?

My job needs (MySQL, some other service) to be running

I want to run a job at 9am every day

Using software

How do I run ...

(esp, needs a license)

a STATA job?

a Gaussian job?

a Matlab job?
I can't find (some software package).

Can you install (some software package)?

How can I view a PDF file on Prince?

Managing data

How much of my file/space quota have I used?

How do I give my colleague access to my files?

How do I get the best transfer speed to or from BuTinah?
I have a huge amount of data that I want to compress for storage or transfer.

This page is retained from an earlier version of the HPC wiki only for reference, and the equivalent up-to-date page is at How to copy files from / to the HPC clusters.

Transferring files between NYU NY and NYUAD BuTinah

For faster transfer between the HPC clusters at NYU in NYC and the BuTinah cluster at NYUAD, use scp over port 922. This will route the transfer over a high bandwidth ANKABUT link rather than the default low bandwidth MLPS link. The speed difference is greatest when pulling files from BuTinah to NYU NY.

Transferring many small files will still be slow - you will get better performance if you tar small files into a single archive, and transfer the tar file.

The default user environment on bowery sets an alias for scp which does this automatically, so in most cases you can skip over this section. If you are finding that file transfers between NYUAD and NYU are slow, you can check whether you are using the alias with 'which scp'. If the response is not '/usr/local/bin/scp_wrapper.sh', you should follow the instructions below.

You can scp over port 922 directly with the following commands, initiated from any of the NYU HPC clusters in NYC:

Pushing to BuTinah:

```bash
$ scp -P 922 filename NetID@butinah.abudhabi.nyu.edu:~/
```

Pulling from BuTinah:

```bash
$ scp -P 922 NetID@butinah.abudhabi.nyu.edu:~/filename .
```

Setting an alias for fast data transfer between BuTinah and NYC

To save typing this each time, and to support faster transfers between NYUAD and NYU when using rsync, you can prepare an alias in your ~/.s file on the NYU HPC cluster:

```
Host butinah
Hostname butinah.abudhabi.nyu.edu

Host butinah-fast
Hostname butinah.abudhabi.nyu.edu
Port 922
```

Now you can log in to BuTinah from that HPC cluster with:

```bash
$ ssh butinah
```

And scp files to and from BuTinah over the fast link with:

```bash
$ scp my_data.nc butinah-fast:
```