

**Deep Learning in Medicine**  
BMSC-GA 4493, BMIN-GA 3007, Spring 2021  
**Lab 4: HPC**  
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Today, we will go through the useful resources and requirements to set up your HPC account and environment which you'll need for your assignments as well as your course project.

Basic documentation:

- [Greene introduction](#) - Read about the greene cluster and the nodes available
- [Getting access, connecting etc](#) - You need to install the NYU VPN and activate it to access Greene. Use ssh in linux/MAC or Putty in windows.
- [Slurm Best-practices](#) - Resource on wait times for different requirements

Other resources

[Prof. K Cho's tutorial](#)  
[Detailed instructions](#)

Available GPUS:

- V100s (32 GB RAM) 10 Nodes
- RTX8000 (48 GB RAM) 65 Nodes

**Singularity** : [Documentation](#), [Paper](#)

Takeaway is that this leads to improved performance through some optimized node management for your experiments.

High-level idea: make a read-only filesystem which will be used exclusively to **host your conda environment** and other static files which you constantly re-use for each job.