Clusters

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The NYU HPC team currently maintains two clusters: The HPC cluster **Prince** and the Hadoop cluster **Dumbo**.

### HPC user accounts
An HPC User account provides access to all NYU HPC and Big Data clusters. If you don't have a user account, you may [apply for an HPC user account](#).

### Old HPC clusters
NYU HPC team has retired its older clusters (**Union Square**, **Cardiac**, **Bowery**, **Mercer**). The current production HPC cluster is **Prince**.

- **Prince**
  - **Prince** is the new HPC cluster that is currently being deployed. Prince will replace the HPC Mercer Cluster.
  - For a description of the HPC Prince cluster, see [Clusters - Prince](#).
  - For information on how to access and use the HPC Prince cluster, see [Getting started on Prince](#).

- **Dumbo**
  - **Dumbo** is a 44 data node Hadoop cluster running Cloudera Distribution of Hadoop (CDH).
  - For a detailed description of dumbo and how to access it, please see the [dumbo wiki pages](#).

- **ViDA OpenStack**
  - **openstack cluster**
    - ViDA Openstack cluster is currently being deployed. Not in production yet.
  - The OpenStack cluster consists of 25 compute nodes, each equipped of 4 GPUs.
  - For a detailed description of the ViDA Openstack cluster, please see [Clusters - ViDA OpenStack](#).
  - [Presentation Slides](#)