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Mercer is now open for all users!

Mercer is the newest NYU HPC cluster. It currently has 3200 Intel Xeon E-2690v2 ("Ivy Bridge") 3.0 GHz CPU cores in 160 nodes - 20 cores per node. 112 nodes have 62GB available memory and 48 have 192GB.

For how to log in and run jobs, see this tutorial

Assistance porting to Mercer

We will be holding three “hackathon” sessions to help users port code and scripts to Mercer. During these sessions HPC support staff will be available at the Bobst Library, room 617 (6th floor)

The hackathon dates are: Friday, May 30, between 9:30am and 12:00 noon Monday, June 2, between 9:30am and 5:30pm Wednesday June 4, between 4pm and 6pm

Drop in anytime during these sessions for assistance
Outage affecting ALL NYC clusters and storage

From 8pm June 20 until 4am June 22, 2014, all machines in the South Data Center - including all NYU HPC clusters except BuTinah, and including all HPC filesystems - will be shut down for repairs to the cooling systems in the data center. Please mark this in your calendar and plan compute work to allow for this outage.

We will use this downtime to make changes to the HPC clusters, so the HPC clusters will remain unavailable for a few days after the shutdown.

Bowery merge into Mercer

During the South Data Center shutdown we plan to merge Bowery into Mercer. After this the Bowery compute nodes will still be available, but will be part of Mercer - therefore we highly recommend that you ensure your Bowery jobs can run on Mercer.

The Mercer hardware is backward-compatible with Bowery hardware, so jobs do not need recompiling (although we recommend recompiling for better performance) - but the operating system is different and older versions of software are generally not available.

If you are unable to run your Bowery jobs on Mercer, please contact us at hpc@nyu.edu

Retirement of Union Square and Cardiac

During the South Data Center shutdown we will retire the Union Square and Cardiac clusters. It is very important that you move your workflow from these clusters to Mercer before this time.

Upcoming Hadoop upgrade

NYU HPC/NY has an Hadoop cluster - there is some information about this on the wiki. Currently we can only offer limited support for Hadoop users. During the summer, we plan to upgrade from Apache Hadoop 1.0.3 to Cloudera CH4 (Hadoop 2). This will involve upgrading the HDFS filesystem, which carries a significant risk of data loss - please backup your Hadoop files!

Lustre upgrade deferred

Last newsletter we announced an outage of /scratch for a Lustre upgrade. For technical reasons this upgrade has been deferred until 2015.
Wiki update and new user tutorials

Those who have checked out our wiki page recently will have noticed it has changed. We've updated the structure and content, and integrated a few tutorials (with more to come!). Our aim is to make it easier to find the information you need.

We'd love to get your feedback on the changes! If you have any questions, or spot anything missing or wrong, please let us know on hpc@nyu.edu