BuTinah is now Live!

... and open for business.

BuTinah is fully operational now and in production mode. BuTinah has had a growth in the number of users and in computational utilization (see Utilization on page 2). We continue to install and configure shared applications as more users come on board (see Software on page 2) and continue to grow our support staff with 2 new members joining the team (see Staffing on page 2). In the meantime we continue to develop our procedures and policies within our governance model to better support the user community (see Governance on page 3). Finally, BuTinah now has a public web presence on the Internet (see info on BuTinah’s Webpage on page 3).
Utilization

After a successful pilot phase, we became operational at the beginning of December coinciding with the annual meeting of the NYUAD Institute. Over the last 3 months, 32 users have kept BuTinah over 36% utilized on average (with the last week of December averaging over 62%). They have submitted a total of 60,634 jobs averaging 10.7 CPUs per job and lasting 3.8 days of wall time.

Software

The HPC team continued to install user applications for several of the research groups including the Center for Genomics and Systems Biology (CGSB) and the Center for Prototype Climate Modeling (CPCM). The MATLAB license finally arrived; we are now part of the NYUAD site license, which means most of the toolboxes are also available. We also received licenses for the NAG (Numerical Algorithms Group) library.

Staffing

BuTinah now has a full complement of System Administrators; with Wissam Ali joining us in November and Hendra Adiwidjaja at the beginning of December. Wissam is an IT Systems Engineer with over 8 years of experience within the financial, software, and oil and gas industries. His particular focus is on Linux System Engineering and Administration. While Hendra comes with a background in HPC systems administration, cluster and cloud provisioning, parallel application profiling and optimization, as well as scientific applications and modeling.
HPC Center Governance

The HPC Steering Committee has held its second meeting of the year on December 11th. The NYUAD Institute managing director David McGlennon chaired the meeting; the committee reviewed the current status of BuTinah and discussed issues related to staffing and funding for additional storage. Key decisions include the approval of the allocation of interim storage for CGSB and to explore options to add 3rd tier (long term) storage. Steering Committee decisions will be posted on our intranet soon. The HPC Executive board is due to hold it’s first meeting in early February.

BuTinah’s Webpage

BuTinah now has a web page as part of the NYUAD Institute webpages. This site contains information about BuTinah, how access it and all necessary documentation to assist the users in accessing and using BuTinah. It also contains information on how and where to request help and support. The page can be found at: http://nyuad.nyu.edu/research/resources-support/research-facilities/nyuad-hpc.html

All Photos are courtesy of Muataz Al-Barwani

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Our Site on the AD Intranet

https://intranet.nyuad.nyu.edu/services/technology/it.services/hpc.center.html