

The following are recent service additions for the BWH research community from Research Computing and Partners. For these and other announcements from research computing, please visit <http://www.partners.org/rescomputing>

External Partners Email Access

New Service for Accessing Partners e-mail from outside of Partners

You can now access your Partners e-mail remotely without having to use a VPN connection. This service is available using whatever e-mail client you currently use and just requires some changes in the client configuration.

This service is available only for people using Partners e-mail and does not apply to people using RICS or departmental e-mail systems.

For instructions on how to configure your e-mail client to use this service, go to <http://rics.partners.org/remote-email/>

Open-systems Database Hosting

ERIS is pleased to announce the availability of MySQL (V5.0) and PostgreSQL (V8.1) database hosting for HPC cluster consumers. All databases hosted in this space are backed up weekly (1 month stored locally, previous iterations can be retrieved via tape), and all DBs receive periodic database grooming and maintenance tasks to ensure performance remains optimal. Additionally, databases hosted here have direct access to the HPC computing environment. Interested customers can contact Allan Harris (ajharris@partners.org) and/or Jerry Xu (yxu11@partners.org) for further information on having a database hosted in the environment.

High Performance Computing

Adding to the 2 Linux clusters, PHS research computing and Microsoft collaborated to develop a windows cluster for pilot rollout. The pilot system consists of 10 computing nodes and 1TB of storage and is based on an as yet unreleased version of the MS HPC system. We are now seeking pilot users and applications for select projects to gain parallel and scalable power within the environment. More information, please contact Dr. Jerry Xu (yxu11@partners.org).

There also will be a general meeting/discussion about Microsoft Visual studio 2008 and its parallel extension libraries for HPC **in Room 258, One Constitution Center, July 17th, 2008**. Space is limited, if you would like more information about the meeting, please send email to yxu11@partners.org to request an invite.

New Software library, StarP: PHS research computing recently has installed Interactive SuperComputing's StarP parallel computing library for Python and Matlab users (R coming later this year). The easy to use libraries will parallelize functions and code within your scripts for use in HPC clusters. Please send email to yxu11@partners.org for more detail information. <http://www.interactivesupercomputing.com/products/> for a description of the StarP product.

Maintenance Reminder to HPC Cluster users: The rclu.partners.org system will be shut down for approx 10 days on Aug 4 for upgrades to allow full use of the newly deployed 8 core compute nodes. The HPRES cluster is

unaffected and will remain operational during this period. For more information on these systems, go to: https://research.partners.org/wiki/index.php/HPC_Clusters.

List service

Research Computing manages a list server which is available for use by any department for discussion lists or broadcast communication. The system has the option of targeting mail to selected recipients based on criteria you can set. This message was delivered using the list server. For more information, contact Neil Coplan (ncoplan@partners.org)

VM Availability

PHS research computing has deployed a pair of pilot virtual machine hosts and has been taking requests for limited VM accounts. This successful pilot project has deployed many small VM's that were used for websites, web applications and for small databases. We will be significantly expanding the service in the next few months with new infrastructure, stay tuned! For more information or to inquire about the pilot VM's, please contact Aaron Zschau (azschau@partners.org).