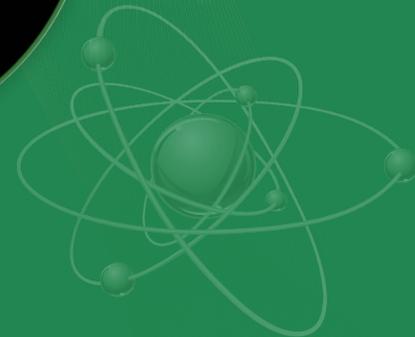
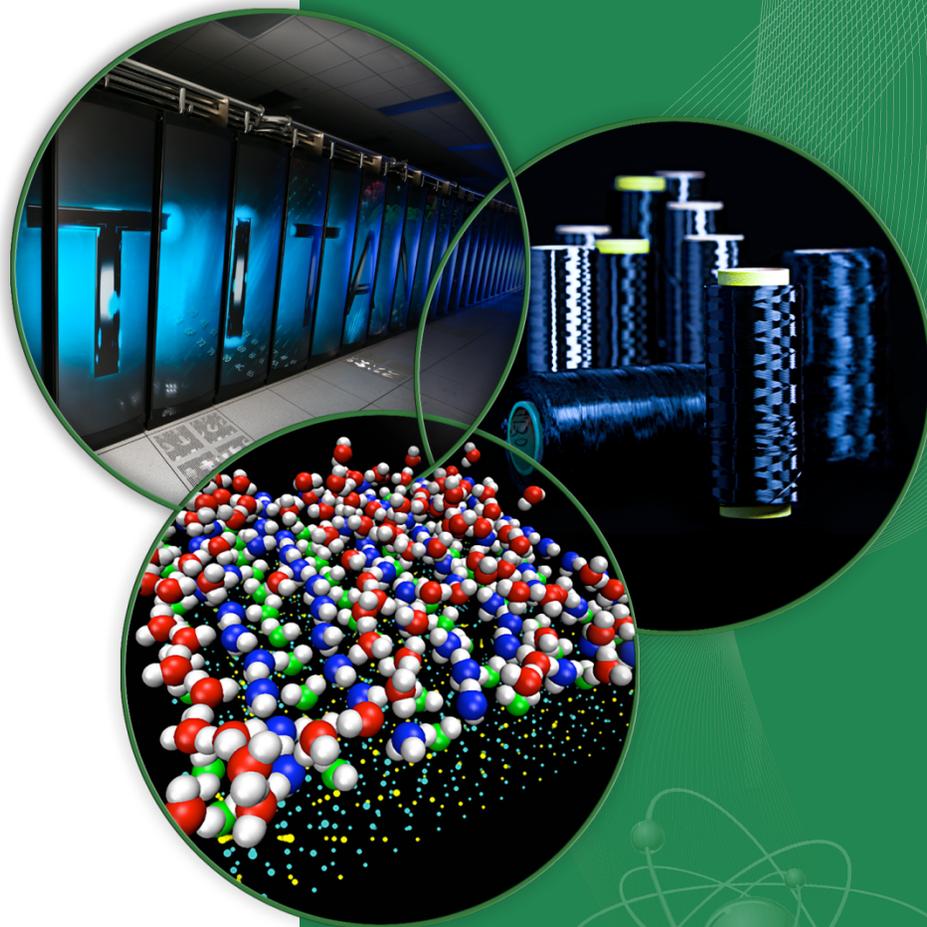


OLCF News

Suzanne Parete-Koon

Oak Ridge Leadership
Computing Facility



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 **OAK RIDGE**
National Laboratory

Update to Lustre 2.5

- On October 7th the Lustre filesystem clients running on Titan, Rhea, and Eos were upgraded to version 2.5.
- Extensive testing of this client was done on multiple scales on our resources to prepare for this upgrade.
- This client enables quicker recovery time in the event a failure occurs.
- It provides support for multiple metadata servers. Timeline for this change is not yet determined.
- Please observe your applications' performance and let us know if you see any changes.
- Although the newer version allows for wide striping, at this time, we recommend using stripe counts ≤ 160 for your production data. Wide striping is currently under evaluation, and should only be used for data that can be easily reproduced or for testing.

Cray Linux Environment 5.2 update 02

We will upgrade the Cray Linux Environment late 2014 or early 2015 to CLE 5.2 update 02.

This update will change the tools and libraries in the programming environments on Titan and Eos. These versions (at minimum) will be required with CLE 5.2 up02 :

- atp/1.7.3 cray-ga/5.1.0.5 cray-hdf5/1.8.13 cray-lgdb/2.3.1
 - cray-libsci/13.0.0 cray-libsci_acc/3.0.3.1 **cray-mpich/7.0.0**
 - cray-netcdf/4.3.2 cray-netcdf-hdf5parallel/4.3.2 cray-parallel-netcdf/1.4.1
 - cray-petsc/3.4.4.0 cray-tpsl/1.4.1 cray-trilinos/11.8.1.0 fftw/3.3.4.0
 - papi/5.3.1 perftools/6.2.0 stat/2.1.0.1 chapel/1.9.0.1 intel/14.0.2.144
 - cce/8.3.0 pmi/5.0.4-1.0000.10161.132.18.gem
- **RECOMPILE AND RELINK AFTER THIS UPDATE**
 - This update will allow us to install new Cray supported software, such as CUDA 6.5, as it becomes available.
 - Watch your weekly message for updates.

Software

OPENMPI ON RHEA

- During the October 7 outage, OpenMPI 1.8.2 was installed on Rhea but not set as default. If you would like to try the new version, it is available through the following PE modules as well as through the openmpi/1.8.2 module:
 - PE-intel/14.0.2-1.8.2
 - PE-intel/13.1.3-1.8.2
 - PE-pgi/13.4-1.8.2
 - PE-pgi/14.4-1.8.2
 - PE-gnu/4.7.1-1.8.2
 - PE-gnu/4.8.2-1.8.2

2014 User Survey

2014 OLCF USER SURVEY

- The 2014 OLCF User Survey is now open. We truly value your feedback and encourage all users to complete this important survey to communicate to us your experiences with the OLCF as well as to suggest ways in which we can better meet your computing needs.
- To participate, please visit:
<https://orausurvey.ornl.gov/n/zzzai.aspx>.
- To view results from the 2013 survey, please visit
<https://www.olcf.ornl.gov/media-center/center-reports/2013-outreach-survey/>