OLCF News

Oak Ridge Leadership
Computing Facility
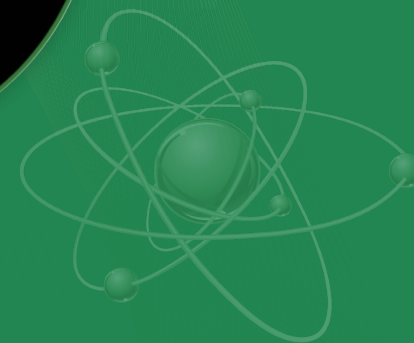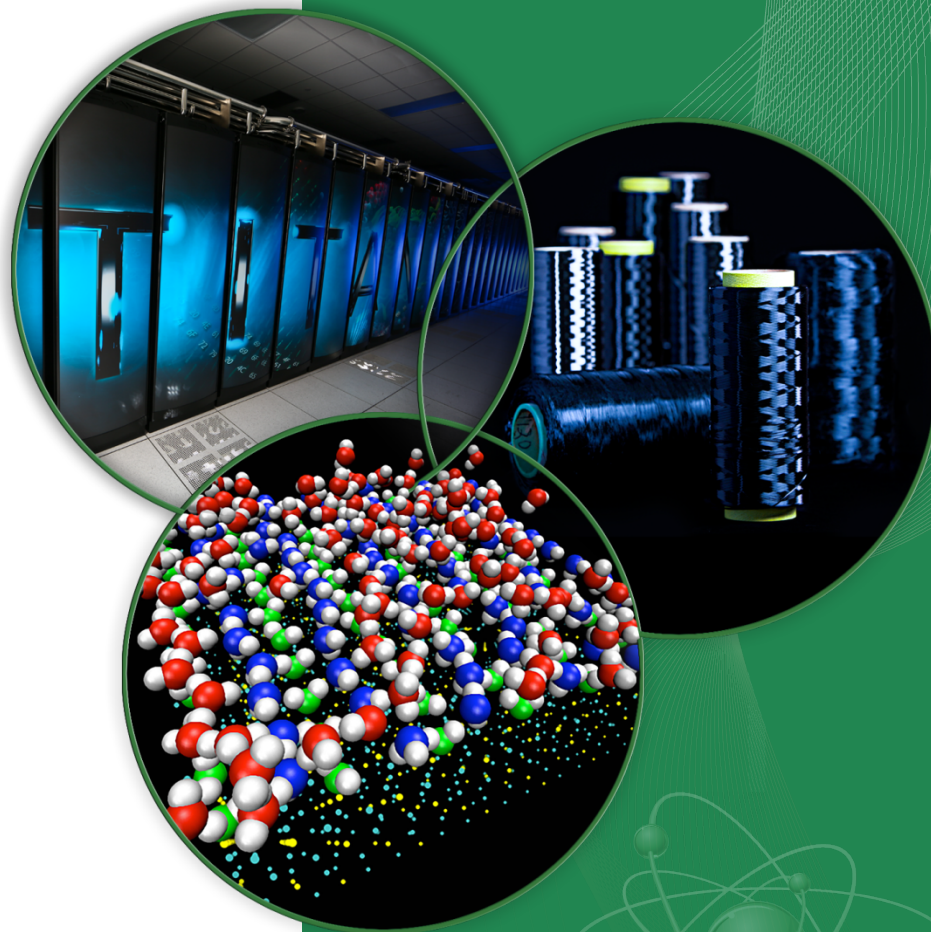
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Training

- INCITE PROPOSAL WRITING WEBINAR (Apr 13 and May 19) The 2017 INCITE Call for Proposals opens on April 13 and closes June 24. To help you prepare your proposal for submission, the INCITE program is offering an instructional webinar on Wednesday, April 13. The webinar will be repeated on Thursday, May 19. To register, visit:

- http://www.doeleadershipcomputing.org/2017-incite-proposal-writing-webinar.

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Training

- 2016 USER MEETING – REGISTRATION IS OPEN

- The 2016 OLCF User Meeting will be held May 24-26 at Oak Ridge National Lab. On Monday, May 23, (one day prior to the start of the User Meeting) the OLCF will offer several on-site tutorials covering topics of interest to OLCF users.

- For more information or to register for the meeting and/or tutorials, visit

- https://www.olcf.ornl.gov/training-event/2016-olcf-user-meeting/

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Training

- The next OLCF User Call will be April 27th at 12:00 p.m. EDT.

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Software

- ALLINEA FORGE (MAP AND DDT) NOW AVAILABLE

- Allinea Forge, which combines Allinea's DDT debugger and MAP parallel profiler, is now available to OLCF users. While DDT has been our primary debugger for several years, MAP is a recent addition. Information on using these tools can be found in the OLCF Knowledgebase at

- https://www.olcf.ornl.gov/kb_articles/software-ddt/ (for DDT)

- https://www.olcf.ornl.gov/kb_articles/allinea-map (for MAP). If

- you have questions about the software, please contact

- help@olcf.ornl.gov.

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DTN Queue Structure

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Batch DTN Access

Data transfer nodes can be accessed by remote job submission.

For example from DTN, Titan, Rhea or Eos:

qsub -q dtn retrieve.pbs

```
$ cat retrieve.pbs

  # Batch script to retrieve data from HPSS via DTNs

  # PBS directives
  #PBS -A PROJ123
  #PBS -l walltime=8:00:00

  # Retrieve required data
  cd $MEMBERWORK/proj123
  hsi get largedatfileA
  hsi get largedatafileB
```

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Batch DTN Queue

- The walltime limit for jobs submitted to the dtn partition is 24 hours.

- Users may request a maximum of 4 nodes per batch job.

- There is a limit of (2) eligible-to-run jobs per user.

- Jobs in excess of the per user limit above will be placed into a held state, but will change to eligible-to-run when appropriate.

- The queue allows each user a maximum of 6 running jobs.

- If you have difficulty in the queue please email the OLCF help desk.

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Coming Soon . . .

In the fall timeframe we will be deploying a new DTN Cluster with more nodes, better bandwidth, and Globus/GridFTP access to HPSS.

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