March 2014 HPC Tech Talk

Agenda

- Mission
- WebEX tips
- Overview of service updates
- Attendee-driven discussion
- "Tech Notes" (30 minutes) – OSC's OnDemand service
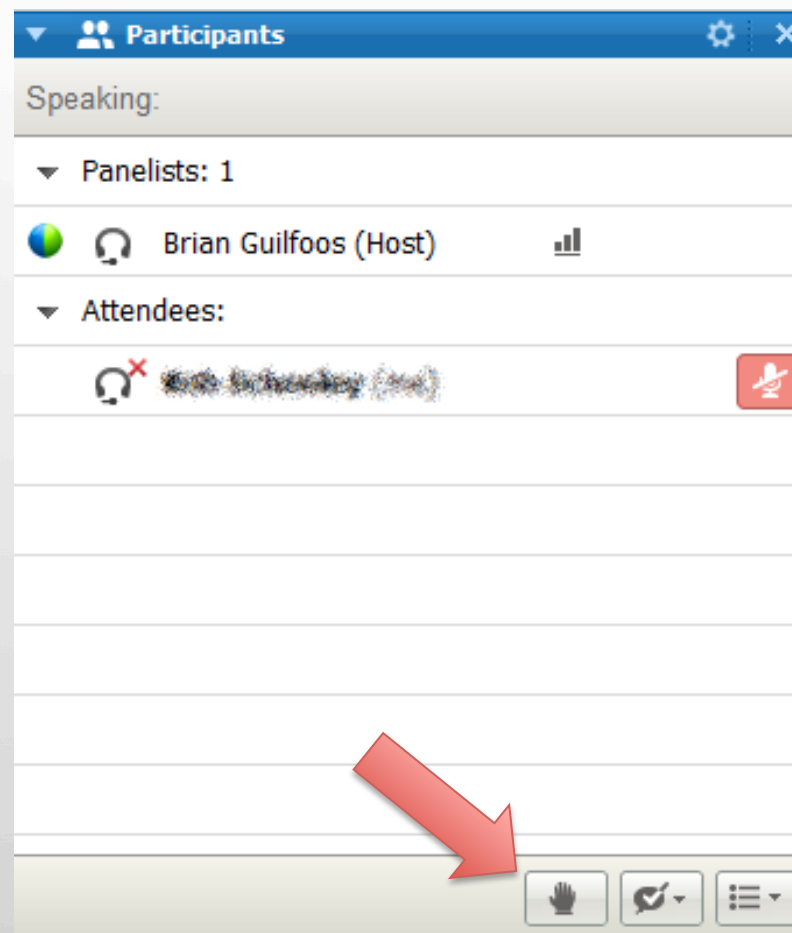- Slides are available at
  - http://www.osc.edu/tech_talks

Mission

- We want to better engage the daily users of the system
- Provide another avenue for the community to raise issues and talk about unmet needs.
- This event is for you! Please ask questions, make comments, and provide feedback as to how these can be improved to better serve you.
- https://www.surveymonkey.com/s/HVM85YY

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WebEX tips

- You can use the "Raise hand" icon to ask a question or make a comment (this will notify us so that we can acknowledge you)

- You may also use the Q&A section to ask questions.

- Please mute your microphones when not talking, to avoid feedback and interference noises.

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New login nodes for Glenn

- We have repurposed the old large memory nodes from Glenn as login nodes for Glenn

- Quad-socket nodes, with 64GB of RAM

- SSH to glenn.osc.edu – will redirect to one of opt-login05 and opt-login06

- Old login nodes (opt-login01-04) will eventually be retired.

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Introducing MyOSC!

- We have launched a new service called MyOSC
  - https://my.osc.edu
- Currently allows changing password, email address, and shell.
- Can regain access to your account if you forgot your password.
- More features in development!
- These functions have been removed from ARMSTRONG

Welcome to the Ohio Supercomputer Center HPC User Portal, My OSC!

My OSC Login

OSC ID

Password

Login

Forgot your password?

"Changelog" now available on osc.edu

- Significant configuration changes will be reported here
  - http://www.osc.edu/ supercomputing/ changelog
- Can view individual years ("…changelog/2014") or filter by HPC.
- Will be embedding the changelog in the sidebar on some pages.

HPC Changelog

Supercomputer
- Any -   Apply

Upgraded login nodes on Glenn

Date: Friday, March 14, 2014 - 1:30pm
Supercomputer: Glenn
We have added two login nodes to Glenn (opt-login05 and opt-login06), which are quad-socket computers with 64 GB of RAM. These were previously used as large memory nodes on Glenn, and will provide greater resources to the shared environment on the login nodes.

Operating system upgrade

Date: Tuesday, February 11, 2014 - 5:00pm
Supercomputer: Glenn
                   Oakley
The operating systems on Glenn and Oakley have been updated. Glenn is now Red Hat Enterprise Linux 5.10, and Oakley is Red Hat Enterprise Linux 6.5.

ANSYS and ABAQUS module changes

Date: Thursday, January 23, 2014 - 12:45pm

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SUG Software Focus Groups

- We'd like your input on decisions regarding software installed for general use (via modules) on our systems

- To indicate interest, please visit http://goo.gl/Dfsfqp
  - Use the access code "OSCSUG"

- Establishing several initial focus groups:

  - Bio informatics/Bio Sciences
  - Fluid Dynamics
  - Structural mechanics

  - Quantum Chemistry/ Materials
  - Physics
  - Atmospheric and Environmental Modeling

Glenn is still in production!

- Long waits on Oakley, but often no wait at all on Glenn
- We can provide assistance in migrating your jobs to Glenn, or helping you decide if you will benefit from switching.
- If there is anything preventing you from using Glenn (for example, missing software), please let OSC Help know.

Known Issues

- You cannot check your quota on GPFS. No workaround; the quota numbers reported when you log in are calculated once per day.

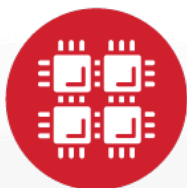- Look at the bottom of http://www.osc.edu/supercomputing for up to date issue reporting.

Discussion period

- Floor open to questions of presented material, or for the community to raise other issues to discuss.

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Tech Notes

OSC OnDemand Live Demo

Koh Schooley

OnDemand

- http://ondemand.osc.edu
- Documentation: http://www.osc.edu/ondemand

Exit survey

- Please complete a quick survey to help us improve these Tech Talks

- https://www.surveymonkey.com/s/HVM85YY

- Next HPC Tech Talk will be a guest presentation from someone from the MVAPICH group at OSU.

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