ACI-Ref Virtual Residency 2019

XSEDE Demonstration

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CAMPUS CHAMPIONS

Agenda

- New Account Creation

- Use of the Single Sign-on Portal (Duo)

- Sample Job Run (Bridges / Comet)

  - Slurm Batch

XSEDE

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- Extreme Scale Engineering and Discovery Environment (XSEDE): NSF-funded resource that provides high-performance computing resources to support research across the United States.

- Provided through resources from eleven partner sites to create a single virtual computational resource to advance scientific discovery.

XSEDE

XSEDE User Account Provisioning

XSEDE Resource Eligibility?

Nearly all US – based university and non-profit researchers can get allocations on XSEDE systems.

User Account Connections

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XSEDE Single Sign-on

- Some XSEDE systems require separate login credentials.

- An alternative to the multiple logins - XSEDE now has a <u>Single Sign-on portal</u> to log into all resources with the use of multiple-factor authorization.

To use this function,

- Setup user account to use Multi-Factor Authorization (MFA) using <u>Duo - via our user profile</u>).

- Duo Application: <u>Android</u> or <u>iOS</u>-based device to host the Duo application.

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XSEDE JOB SUBMISSION

Sample Job Run (Bridges/Comet)

Bridges (OnDemand)

Slurm Batch: MPI

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Thanks!

Questions?