Today's plan

- Interactive - please participate!
  - Raise hand or just speak up
  - NERSC User Slack (link in chat), #webinars channel

- Agenda:
  - Announcements and Calls for Participation
  - (Not So) Trivial Trivia!
  - Topic of the day: DVS: Best Practices for Reading and Writing Files
  - Coming meetings:
    - Security @ NERSC
    - topic suggestions/requests?
ERCAP Due October 2nd!

- The Call for Proposals for the 2024 Energy Research Computing Allocations Process (ERCAP) has been announced. Requests are being accepted through Monday, October 2, 2023.

E4S v23.05 Now Available on Perlmutter!

- E4S is a curated collection of open-source software packages for developing, deploying, and running scientific applications on high-performance computing platforms. Version 23.05 includes nearly 700 total packages compiled with the GCC, NVHPC, and CCE compilers.
Nominations for 2023 NERSC Early Career High-Performance Computing Achievement Awards!

Two categories:

• High Impact Scientific Achievement
• Innovative Use of High-Performance Computing

Eligibility: The awards recognize scientific research that used NERSC resources significantly in their work. Any NERSC user who was a student at the time of their cited accomplishments or received their degree after January 1, 2017 is eligible.

Nominations are due by Friday, September 8, 2023 at 11:59 PM PDT.

Please see the Weekly Email for Links!
September 26 - 28, Berkeley, CA

Fully Hybrid, but in-person attendance is welcome!

DOE Allocation Manager Presentations: Learn about upcoming priority areas

Technical Tutorials on: NERSC SF API Xanadu’s Quantum Computing Simulator

User Talks: Hear about all of the amazing scientific research done by the NERSC User Community!

Sessions on: “How to submit an ERCAP,” “How to Make the Most of Perlmutter” and The Integrated Research Infrastructure
Seminars, Events, and Trainings*

Please see the Weekly Email for Links!

- Registration is now open for Confab23, ESnet's second annual gathering in Gaithersburg, MD, Oct. 16-18!
- Register for the NERSC New User Training, Sept 7-8, 2023
- IDEAS-ECP Webinar on "Simplifying Scientific Python Package Installation and Usage" September 13
- AI For Scientific Computing Bootcamp, October 18-20

https://www.nersc.gov/users/training/events/
Applications Open for the 2024 Better Scientific Software (BSSw) Fellowship Program

Each 2024 BSSw Fellow will receive up to $25,000 for an activity that promotes better scientific software. Activities can include organizing a workshop, preparing a tutorial, or creating content to engage the scientific software community, including broadening participation or promoting diversity, equity, and inclusion.
(Not so) Trivia Trivia!
What does DVS stand for?

A. Data Visualization Service
B. Data Virtualization Service
C. Digital archiving Service
D. Data Verification Service
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B. Data Virtualization Service
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D. Data Verification Service
What should you avoid doing in order to get the most performance out of DVS?

A. Using Access Control Lists (ACLs)
B. Loading libraries from Homes or CFS in dynamically linked applications
C. Running large-scale Python jobs out of Homes or CFS
D. All of the above
E. None of the above
What should you **avoid** doing in order to get the most performance out of DVS?

A. Using Access Control Lists (ACLs)
B. Loading libraries from Homes or CFS in dynamically linked applications
C. Running large-scale Python jobs out of Homes or CFS
D. All of the above
E. None of the above

D - All of the Above!
Coming up

Upcoming topics:

• NUG Annual Meeting - September 26th to Thursday September 28th, in Berkeley, California
  • In-Person and Virtual Options

We'd love to hear more lightning talks from NERSC users about the research you use NERSC for!

Nominate a topic at: https://forms.gle/WjYx7zV7SAz2CaYz7

Science Highlights Submission: https://docs.google.com/forms/d/e/1FAIpQLScP4bRctcde43ngUx4Z_sz780G9HsXtpecQ_qIPKvGafDVVKQ/viewform
Thank You