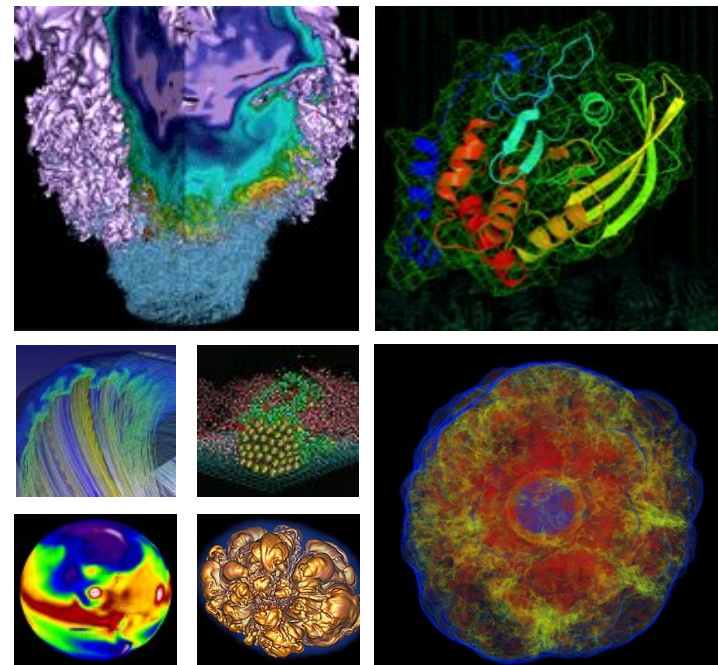


NUG Monthly Meeting



24 August, 2023

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?

Please see the [Weekly Email for Links!](#)

- 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.

NERSC Annual Meeting



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!

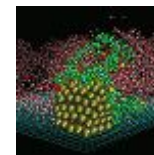
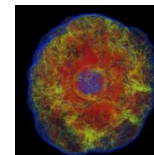
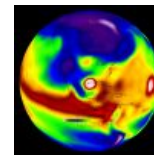
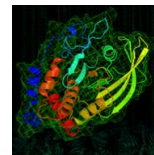
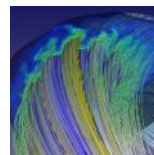
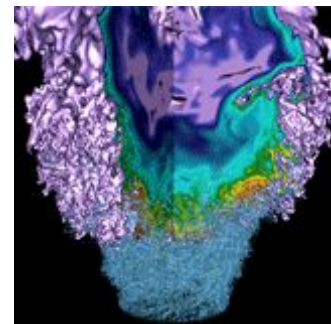
- Registration is now open for Confab23, ESnet's second annual gathering in Gaithersburg, MD, Oct. 16-18!
- Register for the NERSC New User Training, Sept 7-8, 2023
- IDEAS-ECP Webinar on "Simplifying Scientific Python Package Installation and Usage" September 13
- AI For Scientific Computing Bootcamp, 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. **D**ata **V**isualization **S**ervice
- B. **D**ata **V**irtualization **S**ervice
- C. **D**igital archi**V**ing **S**ervice
- D. **D**ata **V**erification **S**ervice

What does DVS stand for?



- A. **Data Visualization Service**
- B. **Data Virtualization Service**
- C. **Digital archiVing Service**
- 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/1FAIpQLScP4bRCtcde43nqUx4Zsz780G9HsXtpecQqIPKvGafDVVKQ/viewform>

Lightning Talks



Highlights





Thank You



U.S. DEPARTMENT OF
ENERGY

Office of
Science

