Agenda

- Setting up and Using sshproxy
- Upcoming NERSC Training Opportunities
Setting up & Using sshproxy
Upcoming NERSC Training Opportunities
Upcoming NERSC Training

- NERSC is offering an array of training on many different topics in the next few months
- Focusing on:
  - New Users
  - Edison to Cori KNL transition
  - Applications
  - Perlmutter
  - SPIN
New User Training

- First training: tomorrow! (not too late to attend remotely)
- Expect new user training quarterly
Edison to Cori KNL Transition

- Edison scheduled to retire March 31
- Cori KNL Programming & Optimization training
  - 1st session: Feb 12-13
    - First day training by Cray & NERSC experts; second day hackathon (bring your own code)
  - 2nd session: Apr 16-18
    - 1st day training by Cray/NERSC; 2nd-3rd day hackathon
Applications

- Q-Chem training: Jan 31
  - [http://www.nersc.gov/users/training/events/q-chem-user-training-13119/](http://www.nersc.gov/users/training/events/q-chem-user-training-13119/)
- Look for more application training in summer
• Users need to learn to port/optimize for Perlmutter
• Look for trainings & hackathons for GPU architectures
• Performance Portability with Kokkos: March (date TBD)
  ○ Get started (or improve existing code) with Kokkos, a programming model written in C++ that is portable across diverse architectures (including GPU)
● Spin: new Containers-as-a-Service (CaaS) platform at NERSC based on Docker container technology
  ○ can be used to deploy web sites & science gateways, workflow managers, databases & key-value stores, & network services that to access NERSC systems and storage on the back end.

● SpinUp training offered quarterly:
  ○ Jan/Feb (current class)