NERSC Users Group Monthly Meeting

December 20, 2018
Agenda

- New Account Validation Process for AY19
- Plans for Allocation Year Rollover
New Account Validation Process for AY19
New Vetting Process for Users

• New process for approving user access
• Majority of users will see no delay in account approval. Some users could see a delay or be asked to provide additional information
New Acceptable Use Policy (AUP)

- A new AUP form will be available in early January
- All users must sign the new form before using NERSC resources in AY19
- All users will also need to validate their user information is accurate before accessing resources.
Allocation Year Rollover
AY Rollover Dates

• AY2018 ends: 23:59:59 on Monday, Jan 7, 2019

What needs to happen during AY Rollover?

• The NERSC Information Database needs to be updated with the new AY2019 allocation data: repos, users, NERSC hours and HPSS storage awarded, etc.

• Computational systems need to sync up with the NIM active users data and clean up batch jobs that do not have AY19 allocations.
What’s not available shortly before AY starts?

• No Premium QOS: January 2 - 7
  – To allow fair usage from repos with remaining AY18 hours for science work
• No new user creation: Jan 2, noon - Jan 8, 8 am
• Exploratory requests for AY18 allocations are not accepted any more
System Downtimes and Timeline

• Monday, Jan 7, 2019, 9pm - before midnight
  – NIM will be down
    • Refresh browser after it is back to see new AY19 data
• Tuesday, Jan 8, 2019, 7am-5pm
  – Cori and Edison will be down
  – Jupyter-dev will be down during Cori maintenance
    • Note: Jupyter will still be available
• All other systems and other services will be up
What happens to Queued Jobs on Cori and Edison?

- Queued jobs (idle jobs) associated with non-continuing AY19 repos will be deleted
- Pending 2018 “scavenger” jobs (jobs with no AY18 hours left) will also be deleted
- All other jobs will remain in the batch queue
Cori and Edison Charging Across AY Boundary

- Jobs run before system maintenances start at 7am on Tuesday, Jan 8, will run against AY18 repos
- Jobs run after system maintenances complete at 5pm on Tuesday, Jan 8, will run against AY19 repos
- No charging on the first day of AY19, Jan 8, 2019
New Software Default

• Per our software environment change policy, NERSC changes default twice a year, including at AY Rollover
  – CDT/18.09 set to default
    • No Intel compiler version change
  – CDT/18.06 removed
  – CDT/18.12 new available

• Detailed list at
MFA Enforcement

• Multi-factor authentication (MFA) becomes required for accessing majority of NERSC resources (such as systems and websites) on Jan 8, 2019
• Enable now to avoid delays in January
  – Documentation at [https://www.nersc.gov/users/connecting-to-nersc/mfa/](https://www.nersc.gov/users/connecting-to-nersc/mfa/)
Discontinued Users

• Users with no active repos in AY19 are “discontinued”, effective AY19 starts on Jan 8, 2019.
• Have limited login access to authorized systems to clean up data (but can not run batch jobs) until Feb 8, 2019
• Have write access to HPSS until Feb 8, 2019, then read-only and delete access until Aug 8, 2019
More Information

• Allocation Year Rollover 2018-2019 webpage
  – Contains more details and most up-to-date information

• Questions?