PDSF User Meeting

November 3, 2015
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Utilization
Past Outages

• None
Planned Outages

• Today, 1 – 2 pm: load balancer switch may terminate connections to PDSF (even NX and screen connections).
Changes to Login Nodes

- Three interactive nodes accessed via pdsf.nersc.gov
- Load balancer that tried to place users on nodes they had used in the past
  - Tended to result in pile ups of users
- New scheme will put users on node with least number of connections
  - Hopefully should spread out load a little better and improve performance
- Will also be adding a fourth login node shortly
Several PDSF Nodes Moved to CRT

• About 300 cores work of computes have been moved to the new NERSC site in the CRT building
  – Needed to form the core for the new procurement
• About 30 newly purchased nodes are also running
• Brings number of available cores to ~3000
  – Jobs that connect to project / projecta may see reduced efficiency
NERSC moves that may effect you

• Project, projecta, and globlal homes will not have an outage, only a short period of reduced performance when the data is synced to the new hardware at CRT
  – projecta: 11/9 - 11/11
  – project: 11/24 - 12/2
  – /global/homes, /global/common: 12/14 - 12/16

• Edison will be offline for 6 weeks in late November – early December

• HPSS will stay at NERSC connected through 400 Gb/s link
Topics from the Users