Livermore Computing User Meeting

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March 1, 2016

LLNL-PRES-685139
This work was performed under the auspices of the U.S. Department of Energy by Lawrence Livermore National Laboratory under contract DE-AC52-07NA27344. Lawrence Livermore National Security, LLC

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Agenda

- Commodity Technology Cluster (CTS-1) Overview and Delivery Schedule
  - Matt Leininger, Deputy for Advanced Technology Projects
- TOSS 3 Development Environment
  - Greg Lee, LC Development Environment Group
- /workspace file systems roll out
  - Tim Fahey, LC Customer Services Group Leader
- FY16 Archive Disk Cache Expansion
  - Jerry Shoopman, LC Data Storage Group Leader
- User Questions, Feedback and Discussion
  - All

New /workspace file systems

- LC recognized Users' need for additional file system space
- To meet this demand LC has purchased 3 NFS file systems, one each for the OCF/CZ, OCF/RZ and SCF.
- Pathnames to these file systems will be:
  - CZ: /usr/workspace/ws[a,b]/<*workspaceName*>
  - RZ: /usr/workspace/wsrz[c,d]/<*workspaceName*>
  - SCF: /usr/workspace/ws[1,2]/<*workspaceName*>
- *Every individual user and group will be given a quota of 1 TB of file system space on each of the networks on which they have identities:*
  - *CZ only users will have a 1 TB quota on /usr/workspace/ws[a,b]*
  - *RZ only users will have a 1 TB quota on /usr/workspace/wsrz[c,d]*
  - *RZ/CZ users will have two directories, each with a 1 TB quota /ws[a,b] and /wsrz[c,d]*

New /workspace file systems, cont.

- Workspace file systems will be cross mounted on all appropriate LC clusters
- Quotas will be based on all files owned by an individual, regardless if they are in the Users' personal work space or in group workspaces
- These file systems will not be purged
- These file systems will not be backed up, either locally or remotely
- Each workspace will have two snapshots taken daily at 12:00PM and 7:00PM, and will be kept for 7 days (14 snapshots total)
- Because these are NFS mounted, users are HIGHLY DISCOURAGED from performing parallel I/O to LC Production clusters.

/workspace file systems roll out

- /usr/workspace/ws[a,b] will be available to users Thursday 3/3
- /usr/workspace/wsrz[c,d] on the RZ is currently scheduled to be available to users Thursday 3/10 **
- /usr/workspace/ws[1,2] on the SCF is currently scheduled to be available 3/24 **
- Top level file system permissions on the directories will be similar to those elsewhere on LC:

Workspace	Owner	Permissions	Example
User	Owner=root, group = name of user	2570 (r-xrws--)	root:fahey2
Group	Owner=root, group = name of group	2570 (r-xrws--)	root:lchotline

** Data in existing /usr/wci directories on the RZ and SCF will be migrated to the new user workspaces, consequently a short downtime will be necessary during these roll outs. The LC Hotline will announce specific times when they have been scheduled

New /workspace file systems, cont.

Questions?

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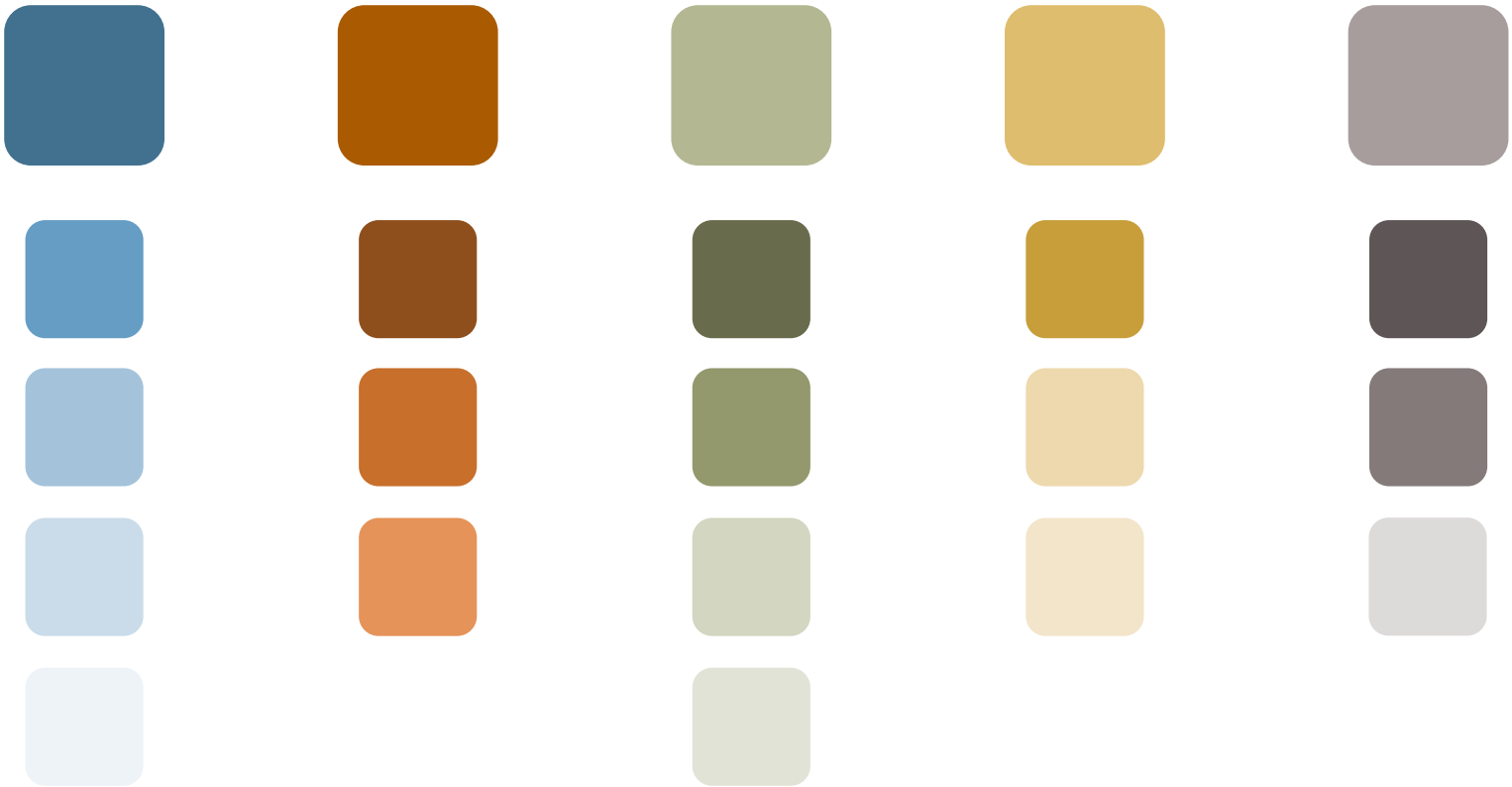

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