Cameron Harr
Supported Projects: DTN, CSS File System

Quarterly Report for July 1, 2016 – September 30, 2016

Quarterly Synopsis:
Mr. Harr spent most of the quarter on two main tasks: planning for the new CSS file system (CSSFS), and updating the DTN nodes.

Quarterly Accomplishments:
- Worked extensively with both LC planning staff and Computation facilities personnel to plan for new CSSFS. This involved choosing the best data center and getting power and Isobase installed. As B439 may be decommissioned during the CSSFS' lifetime, Mr. Harr pushed to locate the CSSFS in B451 to avoid a mid-life move. Mr. Harr then reviewed and approved engineering plans for placement of the racks.
- Arranged for vendor installation of CSSFS hardware. This task was repeatedly pushed back by LC management due to competing priorities of CTS systems.
- Requested and set up authorized host certificates for the DTN nodes from an ESGF CA in preparation for new strict security requirements.
- Updated DTN and Synda nodes to the latest operating system level.

Next Quarter's Roadmap:
- Set up GPFS file system and get it mounted to all relevant servers
- Test performance of new CSS file system both in direct access and with point-to-point data transfers via Synda or GridFTP.
- Update DTN host configurations to be in sync with developing ESGF standards.