

Jason Boutte
Supported Projects: DREAM

Quarterly Report for July 1, 2017 – September 30, 2017

Quarter Accomplishments:

- Finished CoG integration for CWT WPS [July]
- Finished deploying Test CoG for CWT WPS on aims2 [July]
- Finished updating web management interface for CWT WPS from React to Angular [August]
- Finished adding CWT WPS user metrics (User origin, Process and File usage) [August-September]
- Finished adding CWT WPS process metrics (Average CPU time, Memory usage) [August-September]
- Finished updating CWT WPS Docker Compose to use version 3 [September]
- Began external testing of CWT WPS with CWT [September]
- Finished installing Ophidia on aims2 [September]
- Worked on various features and fixes for CWT WPS [July-September]
- Worked on updating and adding various features to CWT WPS UI [July-September]
- Updated AIMS2.llnl.gov to for DOE https requirements [September]

Next Quarter's Roadmap:

- Fix bugs for CWT WPS server/End-user API [October-December]
- Update CDAS Docker/CWT WPS integration to new EDAS [October]
- Fix CDAT average for CWT WPS [October]
- Add parallel I/O through Dask distributed framework [October]
- Add more metrics to CWT WPS [October]
- Add Ophidia support to CWT WPS [October-November]
- Deploy CWT WPS on Federated Testbed [October-November]
- Add CWT WPS workflow support [November-December]
- Add more CDAT processes [December]
- Evaluate additional computational backends [December]
- Plan/Design CWT WPS federated operation (Security, Data management, Cache sharing) [December]
- Plan/Design VISuS integration for data access for CWT WPS processes [December]

Resources Required to Achieve Goals

- N/A