

Middleware Meeting Notes 2014-05-15

Date

May 15, 2014

Attendees

- [Greg Daues](#)
- [Steve Pietrowicz](#)
- [Kian-Tat Lim](#)
- [Donald Petravick](#)

Discussion Items

Greg:

- * Created issues, will space out across sprints and add estimates
- * One of them is to follow up with HTCondor team on dynamic slot ClassAds
- * Adding visit id to worker job for monitoring
- * Working on pre-script to write DAG dynamically
 - + Will keep simple; probably not so necessary for Nightly Computing

Steve:

- * Will estimate story points
- * Have replicator jobs talking to replicator nodes and distributor nodes
 - + Just metadata for now, not data yet
 - + How much data? Will be 500+MB; maybe use 50MB scaled to network
 - + How to transfer data?
 - Job to node: shm, socket
 - Replicator to distributor: memory to memory via socket, file transfer
 - Doesn't matter much; whatever is easiest
- * Using regular lsst-dev HTCondor pool
- * Right now, some scripts point to SRP's home directory
 - + Will work on making relocatable

OCS will have DDS interface available sooner than expected, maybe June/July

DonP:

- * Log messages gathered to one location? Yes
 - + Also critical messages can go via real-time messages
 - + Also status updated directly in databases for monitoring
- * Need to make sure operators have sufficient insight into system
- * Is Tucson headquarters an overall control center?
 - + Anticipate HQ is mostly overall management, not day-to-day
 - + Four operational centers (Base, Archive, Chile DAC, US DAC)
 - + Operational centers run mostly independently

- + Base runs Nightly Computing in conjunction with NCSA
- + Archive runs DRP
- * DES is trying out large solid-state disk behind GPFS
- + K-T will see if there are any potential uses for LSST testing
- + Maybe DB group?

Action Items

- ☒ Kian-Tat Lim will see if there are any potential uses of large solid-state disk behind GPFS for LSST testing