

OSG Area Coordinators: Technology Area

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Personnel Overview

- (For OSG Technology as a whole - Investigations, Software, and Release.)
- The area is fairly full-staffed. There are some shortages - but these tend to be more “skill set mismatch” (i.e., we need someone with more Java experience!).
 - If some other area has an urgent need, we may be able to either re-balance (in the long term) or define joint projects (as we are currently doing with the networking area).
 - No need to make changes now, something to keep in mind if fires emerge.

Key Work Items

- HTCondor-CE:
 - Lots of activity across Technology, Software, and Operations.
 - Making progress on <https://twiki.grid.iu.edu/bin/view/Production/CondorCETransitionPlan>; not hitting all milestones 100%. For example:
 - AGLT2, BNL, Nebraska (Red, Tusker, Crane), Caltech, UCSD, FNAL T1 all have HTCondor-CEs that have run “the first job” (8 sites total). However, this is short of the “10 production sites fully HTCondor-CE”.
 - Other than slipping some dates, no new concerns. New version of SAM expected end-August.
- OASIS / CVMFS:
 - V2 @ Stratum0 - RPM packaging this week.
 - Drafting a MoU for OSG Stratum-1 expectations and responsibilities. Currently being reviewed @BNL.
 - Working with NoVA to test a completely separate CVMFS infrastructure for distributing data. Uncovered CVMFS bugs, reporting upward.
 - External repo activities progressing nicely, but not much to report.

Networking Datastore

- We have a proposed path forward for the network datastore. Short version:
 - GOC will install an Esmond instance on a development host.
 - OSG Technology will do scale tests with fake data to understand the .
 - OSG Technology will write RSV probes to populate the development instance with real data.
- This will provide us with a prototype datastore; target is late-August. We will then perform a mini-review of the product to evaluate its suitability for production and (as appropriate) to plan a path to production.

Other Items

- Started collaboration with the PanDA project. Right now, focus is to get the packaging up to par.
- Had first of new series of Blueprint meetings - focussed on submit host management, getting rid of host certificates, and OASIS. JohnH to send out minutes.
 - Next one is in September in Madison; planned topic is resource provisioning.
- GUMS: Got a new build to FNAL, hopefully chasing down the last issues.

Upcoming Work Items

- Scalability: Planning to test glideinWMS at scale for WLCG Run II (REQUESTS-66).
- Carry-over from last time: “Inventory and document” the XSEDE sites we can reach via BOSCO and the issues we have in using them (i.e., Gratia accounting).