

OSG Technology Area

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Area Coordinator's Meeting

May 16, 2012

Since Last Time

- OSG Blueprint meeting (FNAL, April).
- Condor Week.
- Monthly presentations to the GDB.
- Progress of iRODS user work.
 - Ashu actually might be at a good stopping point.

Interoperability

- Steady as she goes.
 - One known gliteWMS / Condor-G / GRAM5 compatibility issue.
- GUMS has been released! I suspect not widely deployed; however, the version does fix the VOMS-Admin issue.
 - Alain, are we “done”?
- EMI-2 still appears to contain Condor 7.4. No activity here.

WLCG TEG

- Report writing done!
- A WLCG presentation will be done on Sunday showing the most important conclusions from each group.
 - I would recommend each area coordinator read this presentation by Ian Bird, as these things will likely drive the next year at the WLCG-level.

Interaction With Software

- Time spent battling GRAM has marginally decreased.
 - Only one large incident in the last month, MWT2.
 - Experts called in were Jaime, Brian, John, and Jose.
 - In the end, the issues were (a) aggressiveness of Condor-G setup at BNL and (b) concurrency limits hit within the globus-job-manager
 - GRAM processes have survived for 6 days (and counting) at MWT2 now; prior record was a few hours.

Upcoming

- GFFS from last time has been pushed off for now.
- Starting the prototype of OASIS: Jose will be the Technology area point-person, starting after CHEP.
- The “hot” topic area right now is the next-gen CE

Next-Gen CE

- Two viable alternatives:
 - CREAM:
 - Pros: In large-scale production in Europe. Has inertia and acceptance in WLCG.
 - Cons: Also appears to have funding issues. Large number of software components to ingest (and we aren't experts). Adding a new external dependency.
 - Condor:
 - Pros: A well-known quantity; we're extremely dependent on it regardless. Scaling issues seem fixable. Easy to integrate into our software stack (we already ship it).
 - Cons: Known scaling issues.
- Between now and the July staff meeting, we will be spending the majority of our effort on a prototype of a Condor-based CE (Brian) and an evaluation of the state of CREAM (Hover).