OSG Technology Area Update

Brian Bockelman
January 8, 2012

Key Initiatives

- Our current key initiatives:

  - HTCondor-CE

  - gWMS usability

  - Grid Exerciser

- Note: I removed OASIS from this list as I consider it mostly Operations now.

OASIS

- Almost fully transitioned to Operations. Minimal technology time.

    - Technology will likely help with the second version - upgrading to CVMFS 2.1, improving remote submission.

- Still 1-2 weeks behind schedule - I think the initial release date is post-AHM right now.

    - GOC working on issues identified by OSG Security.

    - There are still some monitoring holes.

- NoVA testing is ongoing. FNAL security work ongoing.

HTCondor-CE

- One remaining piece missing from HTCondor team (audit logging).

  - Need this piece to do the security audit.

- Scale tests pass with HTCondor sites.

  - Working on PBS next.

- Due to lack of short-term software effort, technology will be picking up several of the Software tasks in the workplan. Schedule slips accordingly.

- Documentation exists and the CE packaged in the *osg-development* repo. Probably could go into *osg-upcoming* once we have the missing HTCondor work.

gWMS Usability

- The first round of graphs have been created; working on first round of fixes. I expect a few more iterations.

- Starting conversations with the gWMS team about improving VO monitoring.

  - Have been investigating the monitoring options for Condor in general.

  - No clear unit of work yet.

Grid Exerciser

- Starting to "cut metal" on new GridEx.

- Expect to have an initial revision by time Ashu leaves.

- Will have more to report at the next Area Coordinator's meeting.

Top Concerns

- **Effort**: Ashu Guru is leaving. We are trying to finish up projects and document knowledge as best posisble.

    - Expect GratiaWeb maintenance to be below nominal for a few months.

    - My "management time" is increasing.

- **Cross-CE**: Progressing on glexec plugin issues, but it remains effort-starved.

    - Some of this may be moot with the new traceability requirements. Been discussing with Mine.

Other

- Squid monitoring: it appears there is a fairly mature WLCG effort along these lines. Going to watch them and stay hands-off otherwise.

- Been helping/advising CMS run at SDSC using (partly) BOSCO.

  - Hoping to leverage this into getting SDSC more interested in OSG overall.

  - It's an interesting use case - can hook a glideinWMS factory to a site using only SSH!

- Per last Blueprint, starting to work to understand if OpenStack can be made to schedule.