OSG Technology Area

Brian Bockelman

Area Coordinator's Meeting

June 13, 2012

Since Last Time

- CHEP!
- CCTools workshop on Scalable Scientific software.
- Presentation to the GDB about Globus transition plans.
- Wrap-up iRODS phase I.

Interoperability

- New issue: GLUE2 support.
  - GDB saw a presentation today requesting to drop all non-GLUE2 sites in September 2012.
  - Obviously, this is a no-go: OSG doesn't support GLUE2.
  - Following up.

WLCG TEGs

- WLCG is starting to create the working groups that are the outcome of various TEGs:
  - See Ian Bird's presentation from today: https://indico.cern.ch/conferenceDisplay.py?confId=155069
- According to TEG recommendations, glexec is steaming forward.
  - USCMS very serious about it.
  - USATLAS has not made progress. Oddly enough, Nebraska is the only OSG site which passes the ATLAS glexec tests.

Interaction With Software

- Time spent battling GRAM is about constant.
  - Another large incident at MWT2.
    - Tracked it to a Condor bug.
    - Still following up with Globus devs about prior incident.
  - Tracked down massive memory issues at Purdue and Florida. Cross your fingers that yesterday's release works!
  - Other PBS issues discovered at Nebraska.
    - Currently unresolved.

Next-Gen CE

- Large amounts of progress for the Condor-CE.
    - Packaged as RPMs. Initial documentation.
    - Gratia support added.
    - Functionality verified for Condor and PBS.
    - A few bug- and scalability-fixes for Condor and blahp.
    - This week: scale testing and gWMS integration.
    - Good interaction with the Condor team! They will be providing us a PBS scalability testbed, a few small features / non-trivial bugfixes, and a test endpoint.

Next-Gen CE

- No progress reported yet for CREAM from the BNL team.

- Follow along on JIRA:
  - https://jira.opensciencegrid.org/browse/TECHNOLOGY-25

  - https://jira.opensciencegrid.org/browse/TECHNOLOGY-15

- Target is still to start doing the written reports first week of July.

Lark Proposal

- UNL (Bockelman) and UW (Tannenbaum) submitted a proposal called "Lark" to the recent CC-NIE (Network Integration) solicitation.
- Of interest to the OSG, part of the deliverables include:
  - Starting to deliver "network awareness" to Condor and gWMS components.
  - Large-scale IPv6 deploy between UNL and UW.
  - Use perfSONAR as a source for network information.
  - Utilize DYNES to coordinate a dedicated network between the endpoints.
- I don't think we properly followed procedure, but I would consider this (if funded, of course!) an OSG Satellite.
  - This is the first proposal I wrote as a PI, one of several sins I'm sure I committed…

Other activities

- Jose has made progress in installing the OASIS client and is working with the server.
  - Idea is to help provide technology area's input to the OASIS document.
- Had the "wrap-up" phone call for iRODS phase I today.
  - Would like to see an official write-up!