OSG Technology Investigations

Area Update, 15 January
Brian Bockelman

Personnel Overview

- Marian Zvada is still coming up to speed - has been able to take some of my backlog.

- Travel and CMS constraints have been far less compared to the previous report. Much happier & productive area coordinator.

- No news on the other UNL hire.

Key Work Items

- First HTCondor-CE out in production (but in Nebraska).

  - Using v0.5.8 from osg-release for HTCondor site.

  - Using v0.6.0 from osg-development for SLURM site. Fed many bug fixes back to blahp for PBS.

  - Within a week or so, all Nebraska OSG hours should go through HTCondor-CE.

  - Still a hill to climb: goal was 20% of daily CPU hours by end of the year would go through HTCondor-CE; <1% was accomplished.

- The OASIS service planning made good progress in the last two weeks. We now have a written development plan and timeline for OASIS v2 (preview release around OSG AHM).

  - Already a little behind on some of the tasks - planning around Christmas is always fraught with danger!

- The OSG provisioning service meeting generated several new work tasks. Will meet again in early February.

  - Currently a cross-cutting team is working on a "provisioning services architecture" document.

  - CrossOSG-CE is on hold while this is ongoing; the VO update was still deployed, as any future service will probably need similar authentication.

Upcoming Issues

- OSG Technology area is organizing a one-day planning retreat.

  - Items are internal-facing (switch to git, improve testing) and external-facing (increasing visibility of HTCondor CE and HTTP caching).

  - This is a closed meeting in order to keep the group small, but will be happy to add agenda items if anyone here has any requests.

- I am increasingly worried about GUMS. Who is watching the OSG security software stack?

Collaborations

- HTCondor:

    - HTCondor collaboration continues to be hampered by loss of Dan Bradley.

    - I have concerns about the team's ability to support BOSCO.

    - No progress on most issues although a few scalability improvements got implemented over the holidays (to be delivered in next release series).

    - #1 development concern: getting file transfer plugins done during this release series.

- glideinWMS:

    - No progress on "condor_q -analyze" equivalent for glideinWMS.

    - Have seen no progress updates on monitoring improvements requested.

Requests

- https://jira.opensciencegrid.org/browse/REQUESTS-27

- https://jira.opensciencegrid.org/browse/REQUESTS-26

- https://jira.opensciencegrid.org/browse/REQUESTS-58