Technology Investigations Update

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Area Coordinator's Meeting - March 9

Highlights

- CVMFS-over-StashCache delivered to osg-upcoming. Used for <u>stash.osgstorage.org</u> repo.

- HTCondor-CE-BOSCO in progress but missed the March release. Next target is April.

- Started planning of "Gratia V2".

- Helped run a well-received HTCondor workshop.

- LIGO and AMS are keeping us busy!

CVMFS-over-StashCache
(gosh, we need a better project name)

- CVMFS 2.2.0 and corresponding default configuration (cvmfs-config-osg) were released in February.

- We have four repositories:

  - stash.osgstorage.org: Syncs the public directories from Stash hourly. Distributes via StashCache.

  - ligo.osgstorage.org: Syncs LIGO detector data hourly. Distributes from Nebraska. Needs (upcoming) CVMFS 2.2.2 for security features.

  - nova.osgstorage.org: Synced NoVA flux files from FNAL dCache. Distributes via StashCache.

  - cms.osgstorage.org: Syncs from AAA; technology demo.

- I will be encouraging users to preview stash.osgstorage.org at the AHM; wider availability depends on sites upgrading.

HTCondor-CE-BOSCO

- Under active development (Derek).

- Mostly an exercise in osg-configure and Gratia:

  - blahp changes (for Gratia support) are already released.

  - osg-configure changes are ~80% done.

  - Not yet started: new RPM sub-package, Gratia probe tweaks.

- Hope to sit down with Lincoln at the AHM and end up with functioning installation.

Gratia V2

- At FNAL, we sketched out the technical portions of a new backend for Gratia collector.

  - Basic idea would allow us to run separate raw and summary databases (to start with, both in ElasticSearch).

  - By adding a message bus in between, we can have others consume this data.

- Organizational details not nailed down. Expect this to really start rolling after the OSG AHM and into summer.

Other

- LIGO is back at large scale - hitting 300k hours / day. This time, transparent & automated access to both OSG and XSEDE allocations.

- Have been doing some assistance with AMS (technical items like getting BOSCO working @ MIT).

- Helped organize the HTCondor workshop in Barcelona. 70 participants from a broad cross-section of European sites.

  - Had a dedicated afternoon on HTCondor-CE; probably 5 instances in Europe right now.