Status Report

Tanya Levshina

Gratia Development

- Gratia Core
  - Found/fixing Gratia Admin Interfaces bug
  - Working on build process modification (consultant)
  - New release is coming soon
- Gratia Probes
  - Bug fixes
  - New features
    - Quarantine records
      - Pbs/lsf records that drastically exceeds efficiency
      - Unknown VO records
  - Included in OSG 1.3.19
- Gratia reporting
  - New reports:
    - Transfer report per VO per site (Fermi archival project)
    - Daily Unknown VO reports for OSG gratia instance
    - Fermilab accounting reports
  - OSG XSEDE report modification

Gratia Testing

- Working on incorporating gratia testing to osg-testing framework (consultant)

- Now can test:
  - Gratia service (installation, database, and web access)
  - Probes: condor, pbs/lsf, gridftp, glexec, psacct, gridftp-transfer, dcache-storage.

- Waiting for Tim Cartwright for code review

Fermi Accounting Scoreboard

- Requested by M. Votava, R. Pordes, S. Wolbers, S. Timm

- Grid, Cloud, Storage, GPCF Accounting for all IF experiments

- Progress:
  - Collected initial requirements
  - Generate monthly report
  - Working on the website (http://fermigrid.fnal.gov/scoreboard)

Gratia/OSG

- Campus Grid – no real progress. Discussed during OSG AH Meeting gratia batch probe/installation and configuration.

- Science Field (see Jira request https://jira.opensciencegrid.org/browse/REQUESTS-54) – need discussion and cooperation of OIM developers

OSG-XSEDE

- Backfilled Project Name in OSG gratia instance
- Coordinated/tested multiple bug fixes for Project Name graphical reports via gratiaweb
- Modified OSG-XSEDE Report according new requirements
- Started work on Gratia-GOLD new feature – to allow charge XSEDE allocations by the jobs submitted from nodes other than osg-xsede (consultant)
- Pending request for gratiaweb - ProjectName resource usage at a Site
    - https://jira.opensciencegrid.org/browse/REQUESTS-56

OSG/WLCG

- Tried to transfer ticket creation/monitoring to GOC - can not establish the right process. John is still involved .
- John is planning to :
  - Move Gratia-APEL interface software to GOC repository (waiting for access)
  - Complete installation documentation (in 2 weeks)
  - Compete rpm testing (in 3 weeks)
- Numerous tickets have been opened with respect to OSG/WLCG reporting:
  - Add normalization factor to the resource group element for WLCG accounting interface, interoperability report, installed capacity
    - https://jira.opensciencegrid.org/browse/OIM-38
    - https://jira.opensciencegrid.org/browse/OIM-32
    - https://jira.opensciencegrid.org/browse/OIM-19
  - Gratiaweb wlcg/apel reporting is broken
    - https://jira.opensciencegrid.org/browse/GRATIAWEB-29
    - https://ticket.grid.iu.edu/goc/13300

GratiaWeb

- The only tool to generate gratia reports
- A lot of opened tickets/requests without any comments
- No real ownership at the current moment
- Very hard to customize outside OSG (very little documentation)