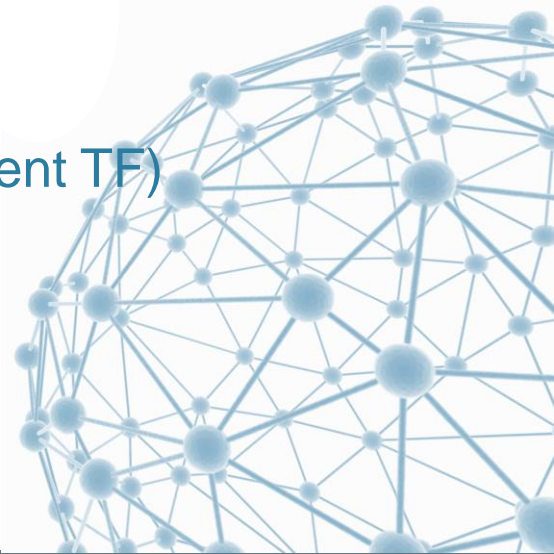




perfSONAR-PS Deployment: Status/Plans

Shawn McKee
(on behalf of WLCG perfSONAR deployment TF)
University of Michigan

07/11/2013



perfSONAR Deployment

- We have asked all WLCG sites to install/upgrade perfSONAR
 - Baseline release is 3.3.1
- Task-force suggested deadline is **April 1, 2014**
 - By this time all WLCG sites should have instances deployed, using the mesh-configuration and registered in OIM/GOCDB
 - If firewalls are in place, they must be configured to allow required access for perfSONAR and WLCG monitoring
- We will begin issuing tickets for identified problems next week
 - **Site is down/offline, not registered, not updated, no mesh, etc.**
- Sites **should**
 - Follow instructions in twiki
 - <https://twiki.cern.ch/twiki/bin/view/LCG/PerfsonarDeployment>
 - Contact the regional PS deployment contact
 - And/Or wlcg-ops-coord-tf-perfsonar@cern.ch
 - Do not forget to register the services in GOCDB/OIM

Status of WLCG perfSONAR-PS Sites

<https://grid-deployment.web.cern.ch/grid-deployment/wlcg-ops/perfsonar/conf/monde/V11/>

- We have 99 sites registered in OIM or GOCDB (198 services; two per site)
- Of those 198 services, 67 have errors associated with querying them:
 - 2 ERROR(HTTP Error 404: Not Found)
 - 7 ERROR(HTTP Error 500: Internal Server Error)
 - 2 ERROR(<urlopen error [Errno 1] _ssl.c:499: error:14094410:SSL routines:SSL3_READ_BYTES:sslv3 alert handshake failure>)
 - 6 ERROR(<urlopen error [Errno 51] Network is unreachable>)
 - 29 ERROR(<urlopen error [Errno 60] Operation timed out>)
 - 17 ERROR(<urlopen error [Errno 61] Connection refused>)
 - 2 ERROR(<urlopen error [Errno 8] nodename nor servname provided, or not known>)
 - **These errors are from service problems, firewalls or crashed / offline systems**
- Of the installed and reachable systems we have the following versions (3.3.1 is latest)
 - 7 3.2.1.1
 - 53 3.2.2
 - 5 3.3
 - 65 3.3.1
 - 1 3.3rc4
- We have some work to do getting all sites installed, upgraded and functioning

Plans

- Central configuration has now been rationalized
 - Details in twiki and previous presentations
- Monitoring depends upon the modular dashboard.
 - The new modular dashboard is improving
 - <http://perfsonar.racf.bnl.gov:8080/PsDisplay-1.0-SNAPSHOT/index.jsp>
 - Missing some test-collection capability
 - New functionalities going there. Under development
- Plans are for OSG to host perfSONAR-PS central service to gather, monitor and present network info
 - Timescale: as soon as code functionality implemented in GitHub and migrated to OSG (by end of year?)