

OSG Operations

OSG Staff Retreat 2015

Important Question

- Operational infrastructure continues to grow, effort does not. How do we continue to sustain growth?
 - Revisit hosting architecture
 - Push responsibility to the VO level
 - More aggressively retire aging and unused services
 - Add effort

Important Question

- Is the Operational Infrastructure we've set up flexible and agile enough to adopt new services efficiently?
 - Change Management Policies
 - Hosted VMs
 - Service Dependencies (OIM)

Important Question

- OSG-Connect services operate outside of the OSG Operations Infrastructure, and in fact act more as an OSG user than an OSG functional area, is this the right model?
 - Allows flexibility and experimentation
 - Allows custom services without adding to operational effort level
 - Possibly at the detriment of service stability and communication

Important Question

- The process of investigation, development, testing, and deployment is inconsistent. How do we refine this process to prevent delays, non-production ready deployments, effort sinks?
 - HTCondorCE
 - PerfSONAR
 - OASIS
 - XRootD
- How do we implement an ‘eject button?’ for projects not meeting defined goals?

Side Question to OASIS

- The following policy was suggested and there was no ET objection.
 - We will replicate an external repository OR provide access to use our OSG OASIS Stratum0 but not both. (We may temporarily do both for VOs transitioning from one to the other, but this will not be seen as normal operations for OASIS.)
 - The GOC will not host VO specific Stratum0 instances. We run one and only one S0 service which is open for usage for all VOs.
 - We will implement a quota on size of repos. Initially 1TB per VO/repo.
- Is this the right operational policy for OASIS?

Important Question

- “Orphaned Service Group” – We agree to curate and maintain service software temporarily during a transition period. No owner is found and we flounder to understand, update, and deploy new functions. How do we prevent this?
 - APEL/Gratia Accounting Transfers
 - OASIS 1.0

Important Question

- What does OSG look like without BDII?
 - What do we need to provide to LHC VOs, GlideInWMS, other hooks to the IS?
 - Do we have any responsibility for accuracy during this period?

Important Question

- Production support, user support, operational support. Is this confusing to a user looking for a solution to an issue?
- How involved should OSG be in Network Support tasks related to the PerfSONAR Datastore?

Supporting Slides

Accomplishments

- HTCondor Transition Planning and Deployment
 - HTCondor Collector
- No SLA Exceptions
- HTCondor Training Session for Support Staff
- New Hardware for xd-login
- Digicert Renewal
- PerfSONAR Datastore
- Reviewed Ticket QA Process
- Hosted Software Carpentry Workshop
- XRootD Redirector - ITB Service

Important Issues

- Effort and position transition
- We are outgrowing the architectural model that has thus far allowed us to expand with minimal effort – time for a new model?
- Organic growth in services has led to a lot of functional overlap
- Services are based on static topology, OSG is anything but static

Plan for Next Year

- Continue to provide services at a level that exceed SLA expectations
- Continue development of staff
- Transition effort
 - Soichi will be 50% as of June 1st. Will stay 50% until two months after a replacement has started. When that period is over there will be two months at 20%.
 - First turnover during this grant
- Adopt services as necessary
- Continue interoperation efforts

Future Plans – Next Grant Period

- Own less hardware – Or at least run more services on hardware not owned by OSG
- Update the structural architecture to add structure to operational services
- Explore discovery of topology and provide services based on the dynamic nature of the OSG environment