OSG Year3 Planning Update

Current Status

- Kick-off at Area Coordinators Meeting on June 5
  https://twiki.grid.iu.edu/pub/Management/20080605ETAgendaMinutes/OSG_Year3_Planning.pdf
- Key Project Drivers shared on June 26 at OSG-ET
  https://twiki.grid.iu.edu/pub/Management/20080626ETAgendaMinutes/KeyProjectDrivers-Year3-V2.ppt
- Science Goals from US-CMS, US-ATLAS, LIGO, D0, CDF, and STAR gathered thru quarterly meetings (and follow-up sessions) between experiments and OSG; additional inputs invited from OSG Council on behalf of stakeholders
  - Planned usage of OSG
  - Requirements for new functionality
- Discussions with Area Coordinators in-progress to frame high level goals (all should complete this week); see next pages for example of goals and List of Area Coordinators

Process Observations

- Where possible, tag each goal as derived from
  1. Maintaining & Sustaining OSG
  2. LHC & LIGO direct support
  3. Improving OSG capability & processes
  4. Addressing feedback from OSG NSF/DOE Review (Jan 2008)
- SLAC and Cornell no longer active in year3

Next Steps (see attached schedule)

- Review Area Goals with OSG-ET
- Detail deliverables (WBS) and staffing by area
- Construct draft institutional budget
- Review Plan with OSG-ET and OSG Council
- Write SOWs and execute approval process
- Write Project Execution plan ➔ baseline WBS and Budget

Year3 Planning High-level Schedule

Work Item	Completion
Document Key Project Drivers a. Goals & Plans of the experiments b. OSG Strategic Drivers c. Feedback from DOE/NSF review d. Input from Original Proposal of Work	June 15
Share Key Project Drivers with Area Coordinators to guide their goals; capture high level Area Coordinator Goals; complete review of these goals by OSG-ET	June 30
Year3 draft WBS, staff plan, budget plan	July 30
Year3 WBS, staff plan, budget plan approved by OSG Council	Aug 30
Draft SOWs ready for approval	Sept 30
Project Execution Plan Document Ready for OSG-ET Approval	Oct 15
Baseline Budget, WBS, Project Execution Plan	Oct 30
85% of SOWs ready for Institutional SRO sign-off	Nov 15

DRAFT Software Goals for OSG Year3

Strategy

The primary goal of the OSG Software effort is to build, integrate, test, distribute, and support software for OSG. We aim to provide a software stack that is easy to install and configure even though it depends on a large variety of complex software. The software stack must meet the computing, data, and security needs of the OSG members and partners. The goals for the OSG Software for Year 3 fall into four categories.

First, we will improve support for our major stakeholders, particularly the LHC experiments and LIGO. This will include improved support for client tools that access LHC data, improved methods for accessing opportunistic data storage, and wider availability of WS-GRAM on OSG sites.

Second, we will strive to simplify the installation, configuration, and setup of the OSG software stack, to enable new sites to join OSG more easily.

Third, we will improve the packaging of the VDT to be able to deliver incremental updates than with our current methodology which is prone to failure.

Finally, we will continue our regular program of support: providing timely software updates, changing our list of supported platforms to meet the needs of our users, adding new software as needed by our stakeholders, and providing support to our OSG, LIGO, EGEE, and TeraGrid users. This is the majority of our work for the next year.

Goals for Year3

1) LHC & LIGO Support (major stakeholders)
   a. LCG client tools for access to storage
   b. WS-GRAM
   c. Opportunistic Storage
   d. Improvements (as needed) to RSV

2) Support for new entrants to OSG (VOs and users via Engagement)
   a. MPI
   b. Improve installation and ease of use
   c. Opportunistic Storage

3) Routine Process Execution
   a. New OSG software releases
   b. Coordinate contributions from in-feeding external projects
   c. Coordinate contributions with operations and security
   d. Support n/n-1 releases

4) Improving our Processes
   a. Investigate and implement incremental software release mechanism
   b. Implement (with Users and PjM) new release planning process
   c. Develop sunset plan for VDT content; process for stopping support and removing content from VDT

DRAFT OSG Year3 Function Areas

*** 1.0 Science Goals and Requirements –** Ruth Pordes

*** 2.0 Facility –** Miron Livny

* 2.1 Middleware – Alain Roy

* 2.2 Operations – Rob Quick

* 2.3 Integration & Sites – Rob Gardner

* 2.4 Troubleshooting – Shaowen Wang

* 2.5 Engagement - John McGee

* 2.6 Campus Grids – Sebastien Goasguen

*** 3.0 Scurity –** Mine Altunay

*** 4.0 Extensions, Applications, & Users -** Frank Wuerthwein, Torre Wenaus

* 4.1 Scalability, Reliability and Usability – Frank Wuerthwein

* 4.2 Work Load Management – Maxim Potekhin

* 4.3 Users Support – Abhishek Rana & Britta Daudert

* 4.4 Storage Management – Ted Hesselroth

* 4.5 Internet2 Network Monitoring – Richard Carlson

*** 5.0 Education & Training –** Alina Bejan

*** 6.0 Project Administration –** Ruth Pordes

* 6.1 Metrics – Brian Bockelman

* 6.2 Communication – Ruth Pordes

* 6.3 Resource & Project Management – Chander Sehgal