Open Science Grid
All Hands Meeting
LIGO Livingston Observatory

Workshop Descriptions
March 2nd and 3rd, 2009

Monday, March 2nd, 2009 Workshops:

Site Administrator's Workshop:
Convener: Rob Gardner

The site administrator's workshop will begin with a plenary session to be followed by three parallel tracks covering focus on topics during the remainder of the day. The plenary session will consist of a series of short presentations covering various technical topics of interest to site administrators. There will be previews of the afternoon hands-on sessions covering topics such as security best practices for OSG site administrators, new tools for troubleshooting, and installation & validation of Bestman & xrootd storage elements.

Joint Users-Administrators Forum:
Convener: Ian Stokes-Rees & Abhishek Rana

This session is an opportunity for grid users and site administrators to discuss their experiences and learn from one another. The session will begin with brief summaries by two users and two site administrators, followed by an open discussion of what is working well and how operating procedures can be improved.

Virtualization Technology Workshop:
Convener: Sebastien Goasguen

The virtualization technology workshop will target audience of OSG users, OSG site administrators and virtualization experts to discuss virtualization technology as it applies to computing, storage and networks. A set of presentations from various stakeholders will present technologies, applications and work in progress of virtualization technologies within the OSG framework. A panel will finally discuss usage scenario, benefits, issues and impacts on the OSG blueprint.

Community Grids Workshop:
Convener: Abhishek Rana

The community grids workshop will be an OSG Blueprint discussion with an aim to invite views from a wide audience and to discuss these principles in the OSG. OSG is formed of communities and Community Grids. OSG manages a distributed national computing facility for data intensive research, drives activities with principles, and has been at the epicenter of original thought in Distributed Computing since its early days. OSG defines, learns from, and closely monitors the shifting landscape of thought in industry, academia and research. Workshop will engage audience to brainstorm concepts, vision, principles, and lexicon of: Grid, Virtual Organization, Cyber-infrastructure, Cloud, Services, Distributed Facility, and the core aspect of Community.

Tuesday, March 3rd, 2009 Workshops:

U.S. ATLAS Workshop:
Convener: Michael Ernst & Rob Gardner

The U.S. ATLAS Computing Facilities with representatives from the U.S. ATLAS Tier-1, Tier-2 and Tier-3 centers are holding a one-day workshop to review the status of the service and fabric resources integration, deployment and operations program to ensure compliance with ATLAS milestones and deliverables. In particular we will be setting the agenda to complete the remaining steps towards full readiness for data taking at the LHC and physics analysis later this year. Regarding the latter end user facility requirements will be discussed in depth.

U.S. CMS Workshop:
Convener: Ken Bloom

This is the annual face-to-face meeting of the staffs of the US CMS Tier-2 computing sites. We will be reviewing the status of all the sites, their plans for future hardware deployments, and their performance on various OSG and CMS metrics and how it can be improved. There will be a discussion on large-scale storage systems that are being used now and others that might be considered for the future. We will also have brief reports on the status of Monte Carlo production at the sites, and OSG plans and their impact on the Tier-2 sites.

Application Deployment Foundations Workshop:
Convener: Ian Stokes-Rees

In the applications deployment foundations workshop experienced users will share the secrets of their success at getting workflows and applications deployed and running reliably and at scale on Open Science Grid. Each speaker will give a brief talk followed by a discussion or demonstration. Topics to be covered will include security, workflows, best practice, site selection, dealing with problems, and more.

Data Management Foundations Workshop:
Convener: Ian Stokes-Rees

In the data management foundations workshop speakers will discuss techniques for effectively managing data on OSG: both job-data (stage in and stage out), and persistent data. Learn how to handle security issues, access control, replication, space management, and data replication. There will be a special talk on the BeStMan software from the OSG-Storage team. The workshop will cover topics relevant both to users (job submitters) and site administrators.

Production Application Deployment Workshop:
Convener: Abhishek Rana & Maxim Potekhin

A Production Workshop with a target audience of communities and VOs preparing for, or actively doing, production-level Science on OSG. Workshop will comprise of 30 minutes of lightening talks presenting: (a) key OSG and external workflow management and application deployment technologies, (b) advanced experience of a few VOs. The remaining hour will be reserved for open discussions to gather input from at-large VOs, with an aim to incorporate it into OSG workflow management plans and vision.

Production Data Management Workshop:
Convener: Abhishek Rana & Matt Crawford

A Production Workshop with a target audience of communities and VOs preparing for, or actively doing, production-level Science on OSG. Workshop will comprise of 30 minutes of lightening talks presenting: (a) key OSG and external storage management and data movement technologies, (b) advanced experience of a few VOs. The remaining hour will be reserved for open discussions to gather input from at-large VOs, with an aim to incorporate it into OSG storage management plans and vision.

OSG VO Managers & Security Contacts Workshop:
Convener: Mine Altunay

This meeting is to give updates to Security Contacts from VOs and Sites information about best practices and policies. We will also bring people up to date on the availability of security training. We will do a hands-on session of last year's WLCG security challenge - in preparation for the next WLCG security challenge in May.

Monday - Wednesday, March 2nd – 4th, 2009 Poster Sessions:

All Hands Meeting Poster Sessions:
Convener: Alina Bejan

Participants at the All Hands Meeting are invited to submit posters that demonstrate the value that computational science adds to scientific discovery. A prize for the best poster will be awarded at the end of the plenary sessions.

Posters should present new results or work in progress dealing with the use of the Open Science Grid for scientific research and/or the development of new technologies for scientific computing. Students and researchers who are working on projects involving the use of OSG resources are all encouraged to submit posters describing their work (at the time of registration or by contacting Kent Blackburn directly if already registered).

Submissions should demonstrate the impact of the Open Science Grid through scientific results, technology developments and capabilities that enable increased performance, capability, productivity, or reliability of Open Science Grid users, applications, and resources, or describe the emergence of new communities. Submissions should specify the scientific problem, describe its scientific and computational methods (algorithms, techniques, software) as well as the Open Science Grid resources used, and should discuss achieved or potential impact of the Open Science Grid and future plans.

IMPORTANT DATES:

The Deadline for early registration (with the $5 per day discount) is February 13th.

The Deadline for ALL registration is February 20th.

The OSG Council Face-to-Face Meeting is Thursday March 5th.