

Integration and Sites

Rob Gardner
Area Coordinators Meeting
12/4/08

From the Year 3 plan

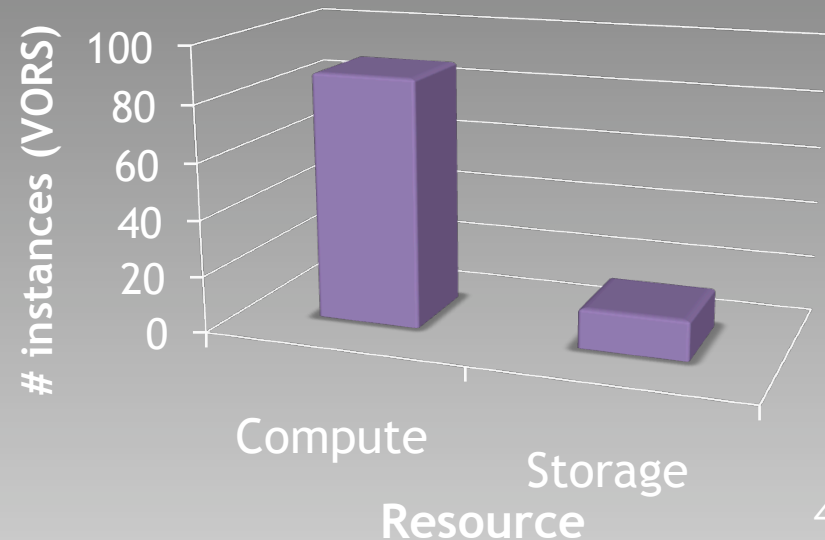
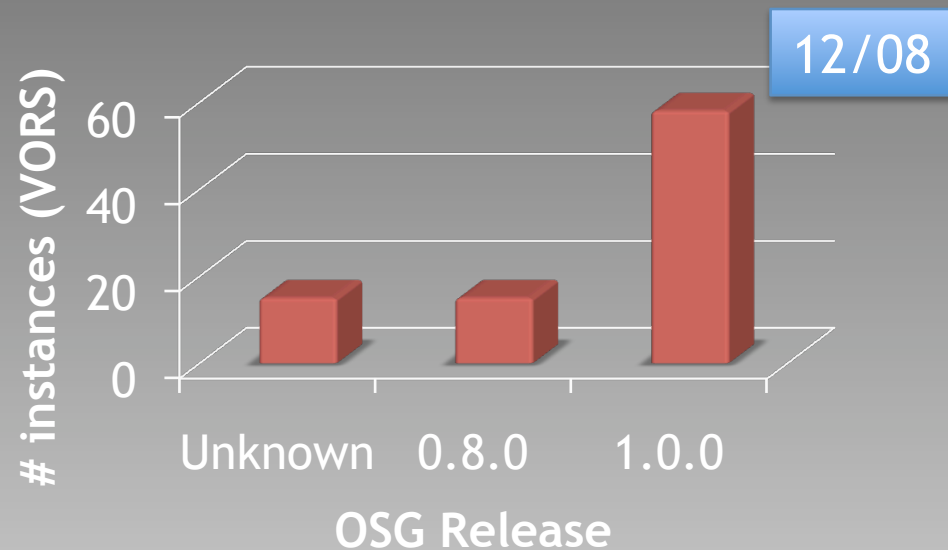
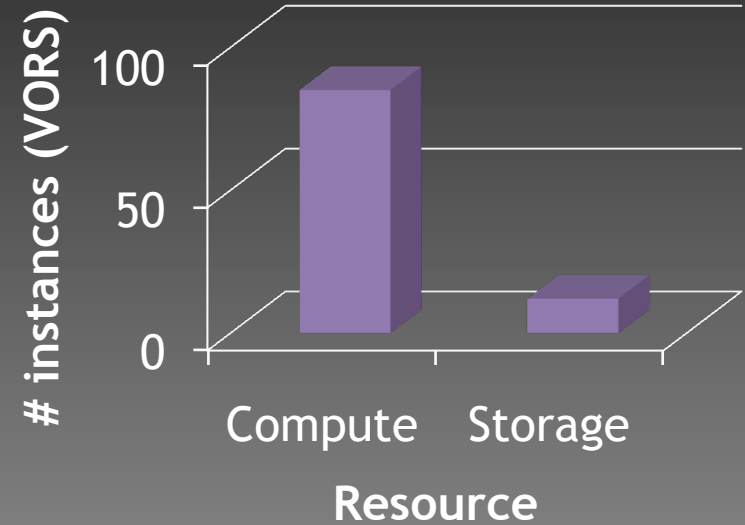
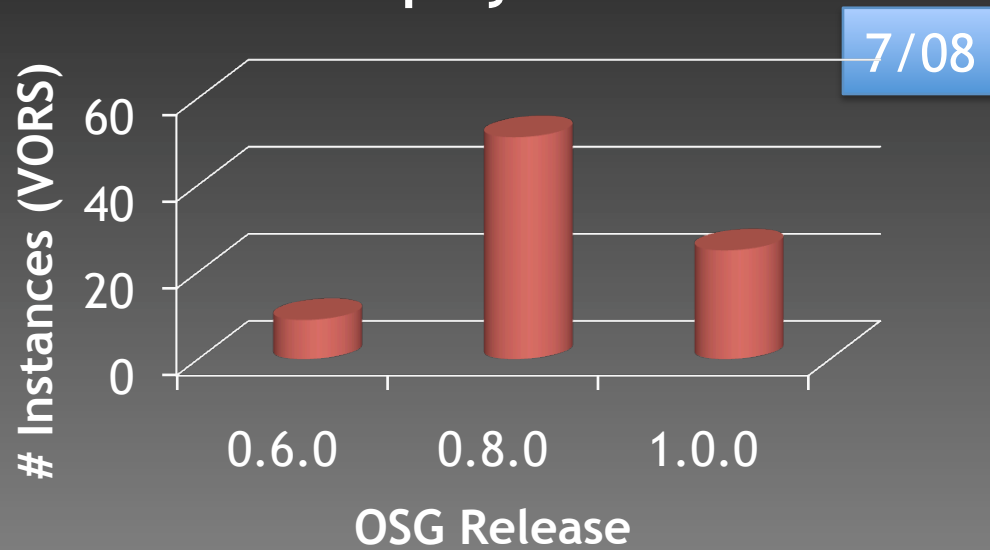
- Three initiative areas
 1. Speed and ease the release process for OSG software components and services
 2. Improvements to OSG configuration programs
 - `configure-osg.py` + `config.ini`
 - Evaluation of config management solutions
 3. Community building and site effectiveness
 - Investigation and provisioning of community building tools and services for OSG site administrators. Extensions beyond the OSG twiki for info exchange, best practices
 - Reviewing RSV monitoring data

Current Initiatives

- VTB, ITB testing, release testing
- Synthetic workload system for ITB testing
- Community
- Documentation alignment focus

Deployment Progress

OSG Deployments



Near term ITB

- ITB being managed by Suchandra Thapa
- Near term focus is on the 'big' VDT upgrade

Date		Task
Dec. 7, 2008		VDT ready for testing
Dec. 7-14, 2008		Install on VTB sites
Dec. 12-19, 2008		Install on VTB sites
Dec. 19-26		Install on ITB sites
Dec. 22- Jan 9		Test on ITB sites
Jan. 9 - Jan 23		VO Validation
Jan 23 - Jan 30		Production packaging and final check
Jan 30		Release

VTB/ITB work at LBL (Jeff Porter)

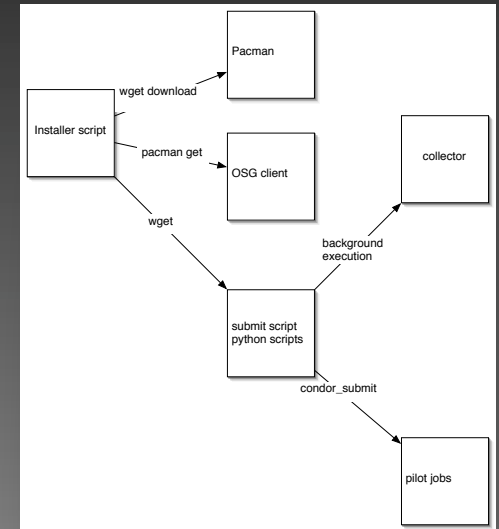
- Two VTB sites managed at LBL and ready for VTB testing (1 SG3 and 1 PBS). Also testing against GIP test cache Will configure for MPI to test CEMon changes. Ready now (with MPI - Dec 12)
- 1 ITB site (w/ condor). Also configured to point at gip-test cache but can be ready for ITB cycle within a day. Ready by Dec 11
- 1 SRM Bestman SE that both ITB and my VTB are configured to use. Update by Dec 18.
- 1 GUMS server with current version of GUMS
Ready now
- 1 GUMS server prepared for new version of GUMS
(machine is ready waiting for software cache)

More ITB

- ITB versioning
 - Suchandra working with Alain on a RFC for software tools mailing list
 - In agreement about future changes
 - OSG versions should be incremented in lockstep with VDT releases
 - Probably something like OSG 1.x.y based on VDT 1.w.z
- ITB status ('persistent' sites)
 - UC_ITB is set for production by Friday. GIP 1.0.5 testing currently ongoing
 - FNAL_ITB is up and operational
 - BNL_ITB ready by next Thursday
- Caltech coming back into ITB
 - Robert Engle (0.5 FTE)
 - Currently setting up 15 server test cluster

Synthetic Workload Validation

- What:
 - Simple system to populate ITB sites with computational task and other functional tests
 - Message reporting system to track job states & users
 - Database backend populated with messages passed from job submission pilots and job -wrappers ('pilots')
 - Web front-end for viewing validation progress
- Status:
 - Basic infrastructure in place - testing at UC, LBL
 - UC student working on web front-end, database schema
 - Hope to have this in place for ITB 1.1.0



Suchandra Thapa
Robert Veitch

Community Building I

- OSG Integration chat cloud
 - Persistent; transcripts; nice handling of text
 - Just getting started (7 OSG accounts so far)
 - Useful for group troubleshooting sessions
 - Added links to Release Documenation, Integration, Sites twiki's



Interface screenshot of the OSG Integration chat cloud. The interface includes a top navigation bar with tabs: Lobby, OSG (selected), Files, Transcripts & Search, Members, Account, Settings, and Logout. The main chat area displays a transcript of messages:

lemme see
Robert E. ok
seems to work
Rob Q. wow, lots of Rob's
Rob G. good..
Burt H. has entered the room
Rob G. indeed - there is even "Jeff" porter who is really a Robert
2:15 PM
Rob G. Hi Burt, welcoe
Burt H. Hi Rob! I mean Robs
Robert E. Is anyone of you using Skype?
Rob G. Sure I do
Robert E. I find it very convenient to stay in touch with people, my Skype id is lunochod3
Rob G. noted
Anand P. has entered the room
2:20 PM

On the right side, the OSG logo is displayed with the text "For OSG Integration and Site Coordination" and an "Edit" link. Below this is a search bar and a "Who's here?" section showing "Rob Gardner" with links for "Lock room" and "Leave". A "Guest access" section indicates "Guest access is on" with a "Turn it off" link and a URL: "http://integrationcloud.campfirenow.com/6e". At the bottom right, there is an "Upload a file" link and an "all" button.

Community Building II

- Facebook group created recently to help build social OSG network

The screenshot shows the Facebook interface for a group named "OSG Integration & Sites". The top navigation bar includes "facebook", "Home", "Profile", "Friends", "Inbox", and user links for "Rob Gardner", "Settings", and "Logout". The group's profile picture is the Open Science Grid logo, which consists of a stylized orange and yellow grid pattern above the text "Open Science Grid".

Basic Info
Type: Organizations – Academic Organizations
Description: The Open Science Grid Integration and Sites Coordination groups.

Contact Info
Email: osg-int@opensciencegrid.org, osg-sites@opensciencegrid.org
Website: https://twiki.grid.iu.edu/bin/view/SiteC...

Members
Displaying 6 members [See All](#)

Below the members section, six member profiles are shown with their names and photos: Jeff Porter, Jim Shank, Robert Veitch, Allan Landau, Suchandra Thapa, and Rob Gardner.

Discussion Board
Displaying 1 discussion topic [Start New Topic](#) | [See All](#)
OSG Release Documentation
2 posts by 2 people. Updated on November 21, 2008 at 8:54pm

Group Type
This is an open group. Anyone can join and invite others to join.

Admins
▪ Rob Gardner

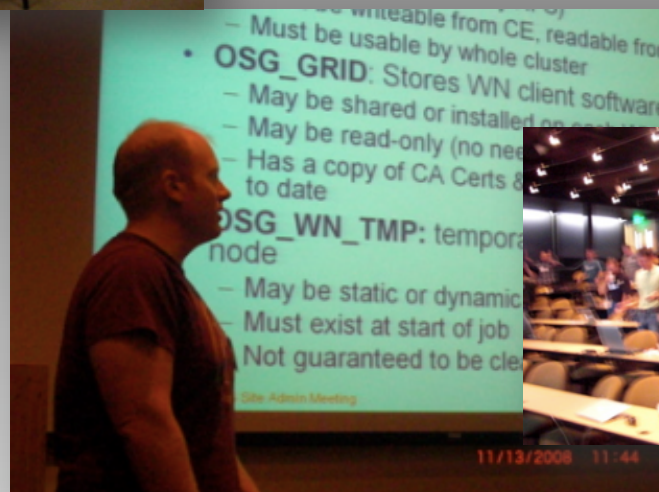
Events
1 upcoming event [See All](#)
Site Administrators Meeting @ ...

On the right side of the page, there is a vertical list of group actions: [View Discussion Board](#), [Message All Members](#), [Edit Group](#), [Edit Members](#), [Edit Group Officers](#), [Invite People to Join](#), [Create Related Event](#), and [Leave Group](#). Below these is a "Share" button with a plus icon.

Community Building III

- Phone meetings
 - People don't want to meet too frequently - once per month at max
 - Prefer 'pedagogical' meetings - a technical feature
- Workshop - SLAC meeting
 - One day of overview & instructional presentations; second day of technical tracks, hands-on
 - 36 registered participants
 - Topics covered by 'faculty' drawn from OSG
 - Fundamentals, Security, Storage (dCache and Bestman-xootd)
 - Networking, Advanced topics (in RSV, high availability, etc.)
- Workshop - All Hands (March 09)
 - Shorter presentations (lightning overviews) leading directly into parallel technical breakouts

Scenes from SLAC



Documentation Alignment Initiative

- Have been asked to look into aligning various OSG documents
- Primarily the twiki-based documents targeted for OSG site admins (twiki.ReleaseDocumentation), Grid schools, and Users.
- Reuse of expert materials
- Improve 'how-to's aspect
- Ways of getting input from users of the documents to encourage more participation (eg. adding comments)
- Will get started on this shortly