



Open Science Grid

Integration and Sites Area

Area Coordinators Meeting
2/14/08

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Overview

Integration & Sites Coordination

- **Current Initiatives**

- dCache 1.8 testing on the VTB
- WS Gram validation on the VTB
- Preparations for OSG 1.0 (people in new roles, infrastructure):
 - Jeff assigned VTB responsibility
 - Suchandra chairing ITB
- Resource administration tools
 - C. Bacon charged with gathering input at site admins meeting
 - Another example is RSV-Nagios integration
- New GIP effort organized by Burt on Wednesdays

- **Accomplishments Since Last Report**

- Completed integration process for OSG 0.8 11/1.
- Major documentation reorganization for OSG 0.8
- Face-to-face site admins meeting @ FNAL in December; monthly telecon
- dCache 1.8 deployed on two VTB and one ITB site - testing in progress
- New results for WS Gram testing on VTB; communication good between Globus, VTB team, and Terrence @ UCSD
- Full string test and validation being integrated into EGEE PPS

- **Issues / Concerns**

- Need to complete VDT dCache 1.8 validation and open up for VO testing
- Progress on WS gram testing is incremental, difficult to converge to “an answer”
- Dependent on RSV data, and metrics collection and analysis before core deliverables in sites coordination can be met (1.3.2.1, 1.3.2.2)
- Short on manpower - still to hire 1 FTE at CIT, probably too late for OSG 1.0

WBS Integration and Sites Coordination

1.3	Integration and Site Coordination	10/1/07	9/30/08	6%
1.3.1	Software and System Integration	10/2/11	10/1/12	0%
1.3.1.1	Integrate and Test OSG Release 1.0	11/2/11	2/16/12	0%
1.3.1.1.1	Upgrade ITB to meet testing needs of OSG 1.0	11/2/11	12/22/11	25% 3 SEs as of 2/14/08. Start ITB 0.9 on 3/15/08.
1.3.1.1.2	Integrate and test OSG 1.0	1/2/12	2/16/12	0% Start 3/15/08.
1.3.1.1.3	Interoperability testing of OSG 1.0 and EGEE between the OSG ITB and EGEE pre-production grid	2/2/12	2/16/12	0% Pending ITB 0.9 availability: est 3/15/08.
1.3.1.2	Integrate and Test OSG Release 1.2	5/2/12	8/16/12	0%
1.3.1.2.1	Upgrade ITB to meet testing needs of OSG 1.2	5/2/12	6/22/12	0%
1.3.1.2.2	Integrate and test OSG 1.2	7/2/12	8/16/12	0%
1.3.1.2.3	Interoperability testing of OSG 1.0 and EGEE between the OSG ITB and EGEE pre-production grid	8/2/12	8/16/12	0%
1.3.1.3	Operate and leverage VTG for testing OSG releases	10/2/11	10/1/12	25% dCache installations
1.3.2	Site Coordination	10/2/11	10/1/12	0%
1.3.2.1	Develop benchmarks for being a "good" OSG sites; audit sites against benchmark; and, support sites in reaching conformance	10/2/11	12/2/11	0%
1.3.2.2	Monthly analysis of operational metrics to identify sites not meeting performance goals	12/4/11	10/1/12	0% Pending availability of metrics.
1.3.2.3	Run Quarterly face-to-face meetings	10/2/11	10/1/12	50%
1.3.2.4	Establish site support for VOs	10/2/11	10/1/12	0%
1.3.2.5	Gather requirements on sites from User Support	10/2/11	10/1/12	50%
1.3.3	Performance Testing	10/2/11	10/1/12	15%
1.3.3.1	Conduct performance testing impacts of new services/software planned for deployment (e.g. auditing)	10/2/11	10/1/12	30% Focus on WS Gram testing.
1.3.3.2	Functional/diagnostic testing of sites resulting in guidance on how to improve performance	10/2/11	10/1/12	0% Pending availability of metrics.
1.3.4	Integrate SGE with VDT	10/2/11	6/28/12	0%
1.3.5	Interfaces for sending jobs to TeraGrid? via OSG Gateways	11/2/11	3/31/12	0%

Additional Perspectives Integration and Sites Area

- Preliminary WS Gram tests on VTB
 - Tests at UC and LBNL
 - <https://twiki.grid.iu.edu/twiki/bin/view/Integration/WSGramReport>
 - Still interpreting results
 - Studies of response of server and client, GT2 vs GT4 in terms of performance (jobs) and system loads
 - Simple scripts and Condor-G
 - Comparing with UCSD results; Condor-G improvements
- Need quantitative measures and other data for assessing sites and providing guidance and input for new tools, example for configuration