

OSG Storage Activities

- **Accomplishments Since Last Report**

- VDT Packaging of dCache released Feb. 21
 - Meets expectations for OSG 1.0
- Fermi SRM clients added to VDT Feb. 15.
- Bestman: New version in VDT Feb. 22
- Storage Element Test Suites released Feb. 18
 - Fermi SRM Clients (Neha)
 - Space Reservation (Ted)
 - Replica Manager (Tanya)
- Extensions
 - Fixed caching in SRM

- **Current Initiatives**

- GIP and Gratia probes for Storage Elements nearly finished

OSG Storage Activities

- **Current Initiatives (cont.)**

- Opportunistic Storage
 - Some VTB sites experimenting with Space Reservation
 - Need Space Reservation Cleaner
 - Changes SRM-dCache code (authorization)
 - Will discuss at all-hands meeting
- Will add lcg-utils to VDT.
- Bestman: Working on RBAC.
- Xrootd: Evaluated by Andrew. Will include in OSG 1.0.
- Extensions: started work on dCache logging (Greg).

- **Issues / Concerns**

- Tools effort is behind schedule
- Lack test hardware for platforms, benchmarking

WBS	Agency	TaskName	InCharge	Summary	Start	Finish	%Complete
1.1.5	No	Storage Software	Hesselroth	Yes	10/01/07	09/30/08	40%
1.1.5.1	Yes	Package dCache version 1.8 for OSG V1.0	Hesselroth	No	10/01/07	12/01/07	100%
1.1.5.2	No	Package dCache version x.y for OSG V1.2	Hesselroth	No	04/01/08	06/01/08	0%
1.1.5.3	No	Plan configuration and integrate per VO "leased storage" for sites	Hesselroth	No	10/01/07	10/31/07	60%
1.1.5.4	No	Maintain / Evolve Storage test bed	Hesselroth	No	10/01/07	09/30/08	75%
1.1.5.5	No	Operations Tools for data management/movement/integrity	Rana, Hess	No	11/01/07	02/29/08	20%
1.1.5.6	No	Support OSG sites in the installation and operation of storage systems.	Hesselroth	No	10/01/07	09/30/08	75%
1.1.6	No	Quarterly sub-area status, progress, issues reporting into twiki	Roy, Hesse	No	10/01/07	09/30/08	50%
4.4.3	No	Support security audit effort	Hesselroth	No	10/01/07	09/30/08	0%
4.4.4	No	Support for Role-based authorization in dCache.	Hesselroth	No	10/01/07	09/30/08	75%
4.4.5	No	Support facility metrics effort	Hesselroth	No	10/01/07	12/31/07	75%
4.4.6	No	Add Support for xrootd (NP funding dependent)	Hesselroth	No	01/01/08	04/30/08	15%
4.4.7	No	Develop roadmap for data movement between OSG and EGEE	Hesselroth	No	10/01/07	12/31/07	100%
4.4.8	No	Develop roadmap for data movement between OSG and TeraGrid	Hesselroth	No	01/01/08	05/31/08	0%
4.4.9	No	Improve stability and ease-of-use of storage software.	Hesselroth	Yes	10/01/07	09/30/08	10%
4.4.9.1	No	Improve dCache Logging	Hesselroth	No	10/01/07	09/30/08	10%
4.4.9.3	No	Improve dCache internal support of site administration tools	Hesselroth	No	02/01/08	04/30/08	10%
4.4.9.5	No	Merge dCache and OSG install scripts	Hesselroth	No	11/01/07	01/31/08	10%
4.4.11	No	Quarterly sub-area status, progress, issues reporting into twiki	Hesselroth	No	10/01/07	09/30/08	50%