

OSG Storage Services for WLCG and CCRC

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WLCG MB, 29th January

OSG and US ATLAS and CMS Tier-1 and Tier-2 SEs

US ATLAS and US CMS Tier-1s (BNL, Fermilab) install and support their own SEs.

- The Facility managers (Ian/Jon, Michael) have upgraded to dCache 1.8 and work within the GSSD for testing and CCRC for the upcoming computing challenges.
- Both US ATLAS and CMS have recently added effort to these activities.

US ATLAS and US CMS Tier-2s receive installation and support from the OSG VDT for dCache.

- Significant testing of dCache 1.8 has been done within the VDT in good communication with the GSSD and developers - with many bugs and issues found and resolved.
- CMS sites rely on the replica manager.
- ATLAS Michigan and Indiana/Chicago sites install dCache. Others are testing with xrootd as well.

OSG sites offer opportunistic storage. For all OSG VOs we will support space reservation as the first support of opportunistic storage. We will pay attention to our experience and replan as needed.

Release Candidates


OSG has published release candidates for dCache 1.8 from VDT caches. Another one is due this weekend.

Our milestone was to release a VDT/OSG version with dCache 1.8 2/15/2008. We are currently approximately 1 week late to deliver that.

We plan to release the needed information services in steps. Static information needed by the RB will be released in Feb.

Our client packages work against BestMan and dCache. They are tested against STORM and DPM but we have no SEs with these implementations on OSG sites.

Index of software/dcache/server/RC1/2.1.2/

Filename	Size	Last Modified
 Parent Directory	-	
vdt-dcache-SL3_32-2.1.2.tar.gz	104.04M	Thu Jan 17 17:14:50 2008
vdt-dcache-SL3_64-2.1.2.tar.gz	101.30M	Thu Jan 17 17:15:15 2008
vdt-dcache-SL4_32-2.1.2.tar.gz	107.40M	Thu Jan 17 17:15:40 2008
vdt-dcache-SL4_64-2.1.2.tar.gz	101.62M	Thu Jan 17 17:16:03 2008
vdt-dcache-SL5_32-2.1.2.tar.gz	105.50M	Thu Jan 17 17:16:27 2008

OSG has been part of the information attribute discussions within the GSSD and developments groups.

We are currently integrating the changes (for static and dynamic information) into the OSG GIPs and it will be included in the February release.

SE Implementations in OSG 0.8.X and OSG 1.0

OSG 1.0 is delayed past the original February milestone due to the volume of VDT support and the number of features/updates we need to get into this major release (e.g. new platforms, dependence on system ssl, voms/voms-admin upgrade)

We will release OSG 0.8.2 by the end of February to include dCache 1.8.

Some Tier-2s are installing dCache 1.8 from the developers web site with space reservation disabled (meeting WLCG MOU). The problems and issues they are finding are well coordinated with the VDT work.

The VDT Storage group supports and works with those sites that install dCache 1.8 early.