



dCache SRM Status and Plans

DCache Workshop for Storage Admins

Fermilab
Batavia, Illinois
July 17, 2006

SRM Status

- dCache SRM implements SRM v1.1 specification and SRM V2.2 Data and Directory functions
 - SRM v1.1 provides
 - Data access/transfer
 - Implicit space reservation
 - SRM v2.1 adds
 - Explicit space reservation
 - Namespace discovery and manipulation
 - Access permissions manipulation

Grid Storage Interfaces Workshop

- Held on May 23-24, Fermilab
 - Goal: Modify SRM Interface to satisfy LHC experiment's requirement
- Agreed to new SRM V2.2
- Developed short term Implementation and Testing Schedule suitable for LHC experiments

SRM Development Schedule at a glance

- WSDL and SRM V2.2 Spec -June 6th
- srmPrepareToGet, srmPrepareToPut at the same level of functionality as it is present now, 2 week after WSDL availability- June 20
- Compatibility Of Data Transfer functions July 27
- Space Reservation prerelease implementations by Sept 1
- Space Reservation /Storage Classes - Sept 30
 - Space Reservation might require special deployment configurations to be supported
- srmBringOnline -October 6
- WLCG Clients should follow the same schedule

SRM Monitoring

- New SRM web based monitoring will be available in the next release
- List of Requests, Request details, File Request details and Remote Gridftp transfer details views
- Search pages and Statistics Graphs

Resources

- ❑ DCache, Disk Cache Mass Storage System, <http://www.dcache.org>
- ❑ The Storage Resource Manager Collaboration, <http://sdm.lbl.gov/srm-wg>
- ❑ Fermilab SRM Project , <http://srm.fnal.gov>
- ❑ SRM Monitoring (temp), <http://esepec21.fnal.gov:8080/srmwatch/>