



SRM v2.2 status

- Status of servers and clients
- Storage Classes WG
- Test suites
- GLUE schema
- Plan of work



CASTOR status

- srm-v2.cern.ch endpoint announced on Nov. 1
- Being configured as front-end for experiment CASTOR instances
 - Grid mappings as for srm.cern.ch
 - Stage mappings
 - Service classes → map to storage classes
- RAL endpoint being looked into
 - HW, support



dCache status

- fledgling06.fnal.gov endpoint for test system setup
 - Tape1 classes emulated by Enstore null mover
- v2.2 functionality mostly complete
 - srmGetSpaceTokens expected this week
 - Minimal permission functions soon
 - Further development when ACLs become available (1-2 months)
- Status of SRM requests viewable from web page
 - <http://cduqbar.fnal.gov:8080/srmwatch/>
- Second endpoint at DESY expected this/next week



DPM status

- ixdpm01.cern.ch endpoint for test system setup
 - 1.6 TB
- Reference for GFAL/lcg-utils tests
- Second endpoint desired by Atlas
 - Ideally at another site



Berkeley SRM and StoRM status



- dmx09.lbl.gov frontend for production system
 - Reference for SRM-Tester suite
- ibm139.cnaf.infn.it frontend for test system setup



Client status

- GFAL/lcg-utils successfully tested against DPM
 - Tar ball to become available this week
 - Tests against CASTOR being debugged (on client and server side)
 - Tests against other endpoints to be started soon
- FTS
 - First version compatible with v2.2 expected not before December
 - Development delayed e.g. due to production system support load
- Test UI+BDII has been prepared
 - BDII will include statically published v2.2 endpoints



Storage Classes WG status

- Summary of Oct. 3 pre-GDB meeting
 - <http://indico.cern.ch/conferenceDisplay.py?confId=a058490>
 - See minutes for complete summary
- Tape1Disk1 is a supported storage class
 - Tape1Disk0 \leftrightarrow Tape1Disk1 transitions are supported
 - Tape0Disk1 \leftrightarrow Tape1DiskN transitions are not supported
- A space token can be associated to a specific tape set
 - The name space can remain orthogonal to the storage class
 - VOs are advised to structure their name spaces nonetheless
- Presentations by some T1 sites during Nov. 7 pre-GDB meeting
 - Can the other T1 sites follow the examples? T2 sites?
 - Probably need more details from the experiments



Test suite status

- Berkeley SRM-Tester
 - <http://sdm.lbl.gov/srm-tester/>
 - Currently run manually, typically 5/7
 - Problems reported to developers concerned + mailing list
 - Will be presented at SC'06
 - <http://sdm.lbl.gov/sc2006>
- S2 Test Suite
 - Now further developed by Flavia (occasional advice from Jiri)
 - Can be run as cron job
 - Summary web pages almost ready for prime time



GLUE schema status

- Documents submitted to GLUE schema working group
 - <http://glueschema.forge.cnaf.infn.it/Spec/V13>
 - “Storage Element Model for SRM 2.2 and GLUE schema description”
 - WLCG use cases, by Flavia et al.
 - “Proposal for GLUE 1.3 for Storage”
 - Evolution of SRM workshop proposal, by Jens Jensen et al.
- GLUE collaboration meeting held at IC, Oct. 30-31
 - The two documents did not agree in all respects
 - Some of the proposed changes were too drastic for Glue 1.3
 - Mostly a “bugfix” release
 - Other changes could jeopardize interoperability with other projects
 - Some aspects might be expensive for WMS ClassAds SE representation
- GLUE experts proposed a simplified set of changes instead
 - Still sufficient to deal with the WLCG client use cases
 - Being discussed, small changes still allowed
 - Deadline end of this week



Plan of work

- Discuss issues in phone conferences + mailing lists
 - Avoid non-trivial changes to WSDL/spec for the time being
 - Collaborate with Storage Classes WG
- Continuous interoperability testing
 - Berkeley SRM-Tester
 - Run S2 Test Suite from cron job
 - Develop statistics summaries
- Start using the test UI
 - GFAL/lcg-utils now, FTS later
 - Functionality tests
 - Stress tests to be introduced gradually