Pre-GDB - Grid Storage Services

Report of Contributions

Contribution ID: **0** Type: **not specified**

dCache status and plans

Tuesday 11 November 2008 14:00 (20 minutes)

An update on dCache releases recommended for Tier2-s

Presenter: Dr FUHRMANN, Patrick (DESY)

Session Classification: dCache for Tier-1s and Tier2s

Contribution ID: **1** Type: **not specified**

Installation and configuration hints for Tier-2s running dCache

Tuesday 11 November 2008 14:20 (30 minutes)

Advise on how to install, configure and run a dCache installation at a Tier-2

Presenter: Dr FUHRMANN, Patrick (DESY)

Session Classification: dCache for Tier-1s and Tier2s

Contribution ID: **3** Type: **not specified**

DPM status and plans

Tuesday 11 November 2008 10:45 (20 minutes)

An update on DPM status, plans and the currently recommended release.

Presenter: SMITH, David (CERN)

Session Classification: Tier-2s

Contribution ID: **4** Type: **not specified**

DPM configuration and discussions - question from the sites

Tuesday 11 November 2008 11:05 (20 minutes)

- user quotas
- tools for performing common administration tasks
- access control for spaces
- more advanced pool selection mechanism for DPM
- improved logging (centralised)
- tools for checking SE-LFC synchronisation
- nagios style alarms
- Are all of the current SEs set up properly in order to optimally deal with local user analysis?

Presenter: ALL

Session Classification: Tier-2s

Contribution ID: **5** Type: **not specified**

StoRM status and new release

Tuesday 11 November 2008 11:25 (30 minutes)

Presenter: MAGNONI, Luca (CNAF)

Session Classification: Tier-2s

Contribution ID: **6** Type: **not specified**

StoRM configuration and discussions - question from the sites

Tuesday 11 November 2008 11:55 (30 minutes)

- Some sites are testing StoRM now. Some sites are using GPFS and others Lustre. Can we expect exactly the same functionality from both types of SEs?
- access control for storage area
- gridFTP load balancer

Presenter: ALL

Session Classification: Tier-2s

Contribution ID: **9** Type: **not specified**

dCache configuration for Tier-1s

Tuesday 11 November 2008 15:05 (40 minutes)

Presenter: Dr FUHRMANN, Patrick (DESY)

Session Classification: dCache for Tier-1s and Tier2s

Contribution ID: **10** Type: **not specified**

dCache - questions from the sites

Tuesday 11 November 2008 15:45 (1 hour)

1. Splitting SRM instances. Is it feaseable ?
2. Configuration of gsiftp doors
3. Hardware setup at sites (32 or 64bits? How much memory and where? ...) and recommended software packages to use (Java version, DB, etc.)
4. What versions on the head nodes and what versions on the pool.
5. Avoiding high load on the PNFS node(busy threads in PnfsManager - long queue)
6. Limit the number of requests of a certain type (put request) globally or per user.
7. "We currently experience a long-standing problem of storage availability at CERN that I think is worth discussing (again) at the preGDB. One disk server of T0D1 service class has now been down for 2 weeks. We have a few thousand files on there that are inaccessible :(((It is a real burden to figure out, even if we could get the list (which we don;t have). How do sites envisage to face such problems?" - Philippe Charpentier
8. Managing databases: Putrequest and Putrequesthistory tables becoming big.Should "[Vacuum] analyze" being performed? How often ?
9. What should clients be careful using ? What are the most expensive calls ? smrls -l
10. How big should be the directories in order not to run into pnfs slowness ?
11. What is the advice for dCache sites regarding migrating to Chimera? It seems as if no one has moved yet.
12. Are all of the current SEs set up properly in order to optimally deal with local user analysis?
13. Implementations for 64 bits architetures
14. Is there a plan for a user-friendly tool for dCache installation
15. What is the status of the dCache dynamic information providers ?
16. The "fast" PNFS implementation
17. Poor ability of some dCache componentes to scale
18. No automation for disaster recovery. Many disaster recovery-related actions have to be done by hand, which is not our target. dCache somewhat hinders the possibility of deploying high-availability solutions - though allows easy rapid-recovery solutions.
19. PIC: Monitoring of our system as a whole is not at the level we would like it to be. Performance bottlenecks are difficult to find. We are working to improve this.
20. IN2P3: Massive prestaging from tape system to dCache are not efficient enough: when pretaging through SRM, dCache sends the prestaging requests in little packets (say 10) simultaneously to HPSS. It causes a lot of inefficiency in the tape mounting and unmounting. This is the big bottleneck we experience in the prestaging exercises.

Session Classification: dCache for Tier-1s and Tier2s

Contribution ID: **11** Type: **not specified**

FTS: an update

Tuesday 11 November 2008 10:15 (15 minutes)

Presenter: FROHNER, Akos (CERN)

Session Classification: Tier-2s

Contribution ID: **12** Type: **not specified**

GFAL and lcg_util

Tuesday 11 November 2008 10:30 (15 minutes)

Presenter: MOLLON, Remi (CERN)

Session Classification: Tier-2s

Contribution ID: **13** Type: **not specified**

Introduction and experiment requirements

Tuesday 11 November 2008 10:00 (15 minutes)

Presenter: Dr DONNO, Flavia (CERN)

Session Classification: Tier-2s