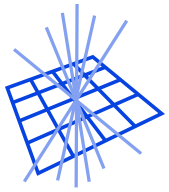

GridPP
UK Computing for Particle Physics

Upgrading dCache

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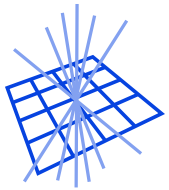
University of Edinburgh



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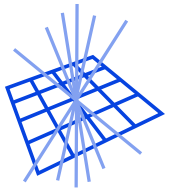
Changes

- PostgreSQL databases (no 2GB limit anymore)
- PNFS "companion" database that contains all of the PNFS IDs. This was added to speed up performance.
- Removal of the `dcache-opt` services. `dcache-core` opens the doors listed in /opt/d-cache/etc/door_config
- 10 distinct mover queues per pool. Doors can be configured to use a particular mover queue. (Advanced configuration).
- dCache can optionally talk to VOMs server.
- Web interface changes.
- No SRM 2.1.1 as yet, but PNFS space reservation now available.



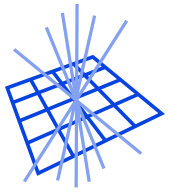
dCache 1.5.{2,3} → 1.6.6

http://www.dcache.org/manuals/Book/index.shtml

- Instructions in the Book jump around. In summary:

1. Install postgreSQL v8.
2. Install new `pnfs-postgresql` rpms and migrate the PNFS databases from gdbm to postgreSQL.
3. Install dCache 1.6.6 rpms.
4. Re-make any changes to the /opt/d-cache/config/*.batch files to customise the installation.

- 1.6.6 running on Edinburgh test machine at the moment. Would like to perform further testing before upgrading production systems.



Details

http://wiki.gridpp.ac.uk/wiki/Ed_Upgrade_152_To_166