Experiment Top 5 issues
FTS, DM, IS

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FTS (ALICE#3, CMS#3)

- FTS version 2.0 is certified – pilot service used by experiments for testing
  - Interfaces to both SRM v1.1 and SRM v2.2
  - Includes VOMS-aware proxy renewal (ALICE) and delegation (avoids need to send passwords)
  - Other issues being addressed (prioritized in FTS workshops):
    - Monitoring improvements – highest priority
    - Deployment and configuration issues (channels etc)
    - Timeouts in the client

- ALICE statement: FTS will not be used for T1 <-> T2 transfers
  - NB: LCG will only support FTS as a transfer mechanism

Data Storage Management (ATLAS #4, LHCb #3)

- **Storage accounting:**
  - Prototype from RAL: being tested
  - Need to validate data being published by sites

- **Storage quotas:**
  - Need is understood, but priorities for the MSS/SRM developers preclude this in the next year

- **Tools for moving and deleting files – bulk operations (?)**
  - Proposal for bulk operations agreed with ATLAS – to be discussed with LHCb
  - Missing tools for managing "Disk1" –
    - sysadmin tools (e.g. to clean up catalogue or disk after crash)
      - Simple set can be agreed and provided
    - consistency of LFC vs SE
      - much longer term issue

Data Storage Management – 2

- Lcg-utils (LHCb)
    - Bulk operations – discussions with developers ongoing
    - File pinning is not supported
        - Castor does not support pinning so was not put in GFAL – could be added if seen as useful
    - Staging support: GFAL use of bring_online : discussions with developers ongoing

xroot in DPM (ALICE # 2)

- 1st version delivered to ALICE in November

- Testing at ALICE sites since March

- Some problems reported in April and addressed

- Now working – as reported by ALICE in mid-April

- Currently the plug-in is provided to ALICE who build and distribute it themselves – this could be changed to become part of DPM distribution if needed (would avoid potential versioning problems)

- No outstanding issues of functionality or performance reported (yet…)

Information system (all)

- See Laurence Field's report to March GDB
- Short term (has been done – mainly a deployment issue)
  - Put the site-level BDII on a stand alone node
  - Run the CE information provider on the site-level BDII
  - Introduce regional top-level BDIIs
- Medium term (work in progress)
  - Improve the efficiency of the queries
  - Add some form of caching in the existing tools
  - Improve the query performance of the BDII service
- Long Term (will focus some effort here now)
  - Move away from using the LDAP client directly
  - New information system client (uses caching, site BDII, multiple top level BDII)
  - Re-consider the architecture
    - Split information into static and dynamic
    - More caching at the site-level