Status of PDC'05

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ALICE-LCG TF meeting

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Running statistics

- Standard production job type: flow
  - Average duration: 8.5 hours
  - Number of jobs completed: 8000 (8000 events)
  - Errors:
    - Error validation – resubmit 20 jobs, 19 finished successfully, 1 ran for more than 20 hours – killed by batch system, no log files to debug the problem.

Storage

➢ Discussion with CASTOR2 support (Olof Barring, Tony Osborne):

  ➢ Stager capacity upgrade from current 6.2 TB to ~40 TB in approximately 2 weeks

  ➢ CASTOR1 production stagers (stagealicedc04, dc04a, dc05) will be stopped and some of the hardware reused

  ➢ Load balanced system with one entry point (castoralice) – no need to have separate stagers as we did last year

  ➢ One user (aliprod)

  ➢ Migration of 'normal' users will proceed according to the plan presented at the June PEB – end of 2005

  ➢ Working on tools for stager space monitoring, until these are available we have to do the monitoring from AliEn

Site performance

- ➤ Last week share of problems:
  - ➤ FZK - Last Friday (16/09) range of IPs belonging to FZK were blocked in the CERN firewall due to excessive UDP traffic – as a consequence, FZK stopped working. Problem resolved yesterday
  - ➤ Houston – "All TLC2 resources are shutting down in anticipation of hurricane Rita. All data in home directories have been backed up and is being stored off site. Your data is safe. You should anticipate all systems except a few select servers (including email for TLC2 and web server for TLC2) will be shutdown until at least Sunday. Please take appropriate personal precautions and be safe.
  - ➤ Yesterday evening CASTOR2 Oracle DB crash – fixed this morning
- ➤ And positive development:
  - ➤ Xrootd fixes (Derek, Andreas) – all files are registered in CASTOR2, problem with access was caught yesterday.
  - ➤ Lyon queue blockage – BQS reconfigured and is no longer blocked if the agents exit with little CPU consumption

Monitoring

- ➤ MonALISA additions (work done by Catalin and Pedro):
  - ➤ File and network traffic through xrootd – some problems with xrootd version at CERN (being upgraded)
  - ➤ File and network traffic through FTS (James Casey):
    - ➤ From R-GMA GridFTPMonitor table (GridFTP)
    - ➤ Apparently all parameters we need are there (user, start time, stop time, volume, start point, end point)
    - ➤ FTS experts are working on tools for FTS monitoring
- ➤ Some fixes of AliEn job status conditions
- ➤ Need to add SE information – most efficient using AliEn df

LCG module

➢ Report by Pablo and Stefano