# Present

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# Outstanding Issues & Actions

- **Reinstallation of service nodes - target end 2006**

  This is now completed and no longer needs to be tracked.

- **CMS servers / services: status**

  *(More information here: http://indico.cern.ch/conferenceDisplay.py?confId=6243 and here https://twiki.cern.ch/twiki/bin/view/CMS/SWIntCMSServices)*

  VO servers for CMS has gone quiet. Hardware allocated (but not good hardware). The idea is that they play with it and decide what they really need.

- **CASTOR interventions - update on scope & schedule**

  *This should cover not only the Western Digital interventions, but also the various - many other things coming along:*
  - *Pending moves to new h/w of the various CASTOR components*
  - *Upgrade of CASTOR s/w components*
  - *etc.*

  *All these things have to be scheduled in / around the expeirments' FDR preparations and on-going productions.*

- **Cleaning of databases prior to multi-VO tests**

  *On several occasions, the database behind various services have needed to be "cleaned" to prevent performance degradation. This has applied to CASTOR DBs, FTS, dCache etc. Have all the necessary cleaning operations been performed at CERN and outside sites ready for the multi-VO throughput tests starting March 26th? Should these operations be performed regularly? Automatically?*

  FTS needs to be followed closely.  Alice + LHCb checked backward compatibility.  CMS and ATLAS will do this as soon as possible (this week).  Will run FTS 2 on production service at CERN and PPS at RAL.  Steve T. is arranging this.

  Needs careful handling of backward compatibility between the client and the server, in both directions (i.e. new server/old client  + old server/new client).

  The FTS 2.0 server with the 1.5 client still offers enhancements.

- **Service Resilience to "glitches"**

  *How robust are the current services to short-term "glitches" (longer term outages is a separate but needed discussion...)*
  *Examples include:*
  - *Power glitch - all machines protected up to 10' (the definition of a "glitch" (A fault or defect in a system or machine)?)*
  - *Rolling upgrade / loss of contact to DB backend*
  - *OS patch / upgrade*
  - *m/w patch / upgrade*

  *More major interruptions - such as loss of network switch / non-rolling DB upgrade - need also to be considered and where possible protected against.*

  *H/W upgrades / moves -> rolling where possible?*

This is a "place holder" item for a longer term discussion.

- **Oracle Critical Patch Update**

  *Starting 2005, Critical Patch Updates are the primary means of releasing security fixes for Oracle products. They are released on the Tuesday closest to the 15th day of January, April, July and October. The next four dates are:*
  - *17 April 2007*
  - *17 July 2007*
  - *16 October 2007*
  - *15 January 2008*

  Released last night. Patches 3 security issues but only possibly one will effect us. Will need shut down of Oracle services if it has to be applied, however we are looking for workaround to avoid having to apply the patch.

- **Other changes in the pipeline**

  None.

- **Service preparations for Full Dress Rehearsals**

  *See additional information attached to agenda page.*

# LCG Service Review

- **Certification / Pre-production**

  *Highlights:*
  - *LFC/DPM 1.6.4-2 and FTS 2.0 are both in certification.*
  - *In the PPS, bugs involving GridFTP segfaulting have been found in the native SL4 WN.*
  - *In the PPS the upgrade path from the interim SL4 WN to the native SL4 WN has been found not to work. This is probably a show-stopper for production.*
  - *Highlights of bugs currently in PPS:*
    - *1115 New version of lcg-info with support for VOViews, sites and services*
    - *1101 GFAL 1.9.0-2/lcg_utils 1.5.1-1*

  Also see report linked to agenda.

- **Monitoring, Logging & Reporting**

  See report linked to agenda.

- **Core Grid Services: Workload Management**

  CE101 has been drained for "transparent" intervention by vendors.
  See report linked to agenda.

- **Core Grid Services: Data Management**

  All main CASTOR databases will be on new hardware by end of May.
  There was a problem with 1 user being able to block all threads on all LFC front ends.
  Solutions:
  1) Set up DQ2 specific front end to avoid it being 'muscles out'
  2) Use VOMS roles to give/deny access to users (involves development on LFC)
  As a temporary measure, the IPTables on the nodes can be configured to deny access while option 2 is being worked on.

Also, see report linked to agenda.

- **Fabric & Infrastructure Services: Databases**

  See report linked to agenda.

  The partitioning of the production SAM tables will take the whole day but should be transparent.  It can be rolled back if necessary.

- **Fabric & Infrastructure Services: Authentication & authorisation**

  See report linked to agenda.

- **Experiment Issues**

  *Wiki page is here:* https://twiki.cern.ch/twiki/bin/view/LCG/LcgScmStatusExp

  *The primary purpose of this item is to bring up any (hopefully rare) issues that are in danger of becoming "hot" if not given attention.*

  *By definition, this must be used sparingly (i.e. not for every single problem seen by an experiment) and experience has shown that these issues should be raised in advance, e.g. the day before (or even earlier if possible...)*

  o <u>ALICE</u>
  Stopped transfers and moving to FTS 2.0.

  o Introduced new set of tests in production to investigate different job data sources.  Results will be published on the MonaLisa web page.

  o <u>CMS</u>
  Not present.

  o <u>ATLAS</u>
  Not present.

  o <u>LHCb</u>
  Not present.

# AOB

- None.