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# WLCG Tier1 Service Coordination Minutes - March 31 2011

## Attendance

- Local: Ian F, Oliver, Gavin, Stephane, Hans, Maria, Jamie, Maarten, Maite, Arne, Massim, Stefan, Eva, Giuseppe, Andrea S, Luca, Alexei, Simone, Dario, Dirk, Nicolo
- Remote: Michael, Gonzalo, Elena, Jon, Patrick, Rolf, Elizabeth, Carlos, Andrew, Felix, John de Stefano, Carmine, Jhen-Wei, Tiju, Christian, Pierre

## Action list review

## Release update

## Data Management & Other Tier1 Service Issues

Site	Status	Recent changes	Planned changes
CERN	CASTOR 2.1.10 (all) SRM 2.10-x xrootd: ALICE 2.1.10 update 1, others: 2.1.9-7	We are going to have all SRM on 2.10-2 due to issues on 2.10-1. Central services CASTOR central services (VMGR, VDQM and Cupv) will be upgraded to version 2.1.10-1. The goal of the change is to enable support for tapes greater than 2TB	
ASGC	CASTOR 2.1.7-19 (stager, nameserver) CASTOR 2.1.8-14 (tapeserver) SRM 2.8-2 DPM 1.8.0-1	31/03: 3-hour downtime for works to electrical system and construction	None
BNL	dCache 1.9.5-23 (PNFS, Postgres 9)	None	None
CNAF	StoRM 1.5.6-3 SL4 (CMS, LHCb, ALICE) StoRM 1.6 SL5 (ATLAS)	29/03: upgraded StoRM Atlas end-point to 1.6., the first one on SL5	1.6 SL5 deployment on the other end-points will be done during the next technical stop of LHC
FNAL	dCache 1.9.5-23 (PNFS) httpd=1.9.5.-25 Scalla xrootd 2.9.1/1.4.2-4 Oracle Lustre 1.8.3	DNS round robin srm service deployed today	none
IN2P3	dCache 1.9.5-24 (Chimera) on all core servers and pool nodes		
KIT	dCache (admin nodes): 1.9.5-15 (Chimera), 1.9.5-24 (PNFS) dCache (pool nodes): 1.9.5-9 through 1.9.5-24		
NDGF	dCache 1.9.12		

NL-T1	dCache 1.9.5-23 (Chimera) (SARA), DPM 1.7.3 (NIKHEF)		
PIC	dCache 1.9.5-25 (PNFS, Postgres 9)	none	none
RAL	CASTOR 2.1.10-0 2.1.9-1 (tape servers) SRM 2.8-6	Upgraded all instances to 2.1.10	none
TRIUMF	dCache 1.9.5-21 with Chimera namespace	None	None

**CASTOR news****CERN operations****Development****xrootd news****dCache news****StoRM news****FTS news**

- FTS 2.2.5 in certification: [FTS 2.2.5 release notes](#)
- FTS 2.2.6 in development: [FTS 2.2.6 patch](#) (see list of bugs at the end)

**DPM news**

- DPM 1.8.0-1 for gLite 3.1: waiting for rebuild of the meta package with the correct VOMS libraries (1.9.10-14)
  - ◆ Edinburgh verified the memory leak is gone when those libraries are installed instead of the ones currently provided by the patch

**LFC news**

- LFC 1.8.0-1 for gLite 3.1: waiting for rebuild of the meta package with the correct VOMS libraries (1.9.10-14)

**LFC deployment**

Site	Version	OS, n-bit	Backend	Upgrade plans
ASGC	1.7.4-7	SLC5 64-bit	Oracle	None
BNL	1.8.0-1	SL5, 64-bit	Oracle	None
CERN	1.7.3 64-bit	SLC4	Oracle	Upgrade to SLC5 64-bit pending
CNAF	1.7.4-7	SL5 64-bit	Oracle	
FNAL	N/A			Not deployed at Fermilab
IN2P3	1.8.0-1	SL5 64-bit	Oracle 11g	Oracle DB migrated to 11g on Feb. 8th
KIT	1.7.4	SL5 64-bit	Oracle	
NDGF	1.7.4.7-1	Ubuntu 9.10 64-bit	MySQL	None
NL-T1	1.7.4-7	CentOS5 64-bit	Oracle	
PIC	1.7.4-7	SL5 64-bit	Oracle	

RAL	1.7.4-7	SL5 64-bit	Oracle	
TRIUMF	1.7.3-1	SL5 64-bit	MySQL	

## Experiment issues

## WLCG Baseline Versions

- Release report: deployment status wiki page
- WLCG Baseline versions: table

## Status of open GGUS tickets

## GGUS - Service Now interface: update

## Review of recent / open SIRs and other open service issues

## Conditions data access and related services

## Database services

- Experiment reports:
  - ◆ ALICE:
    - ◇ NTR
  - ◆ ATLAS:
    - ◇ New schemas have been added to the ATLAS conditions Streams replication setup on Tuesday 15th of March
  - ◆ CMS:
    - ◇ The CMS offline production database (CMSR) crashed on Friday 11th March on 10:20 due to a local power cut in the critical area of the CERN CC. Due to the power cut several disk arrays went down which in turn caused failure of the whole database. After the power was restored the database still could not be restarted due to failure of 2 disks containing mirror copies of data. A decision has been taken to fail over the service to the standby hardware. The service was restarted on the standby hardware at 12:30. Unfortunately applications connecting from outside CERN could not reach the database until 3:10 when the CERN central firewall was re-configured to allow for such access. Detailed postmortem is available here <https://twiki.cern.ch/twiki/bin/view/DB/PostMortem11Mar11>
    - ◇ The CMS offline production database (CMSR), running on standby hardware, failed on Tuesday 15th March at 11:45. The failure was caused by an issue in the SAN. The database has been failed over to the original hardware which it was running on until 11th of March. The service was fully restored at 13:20. The SAN issue was caused by a bug in Emulex driver, a fixed version has been identified in the newer kernel (2.6.18-238.1.1.el5).
    - ◇ Since one week CMS PVSS replication is suffering from repetitive data latency caused by degradation of apply process performance. The root cause is not obvious and not yet known. Some extra workload from certain schemas has been observed but not big enough to saturate streams throughput. The problematic schemas have been separated from main replication by new streams configuration. Also a service request to the Oracle Support has been opened.
  - ◆ LHCb:
    - ◇

- Site reports:

Site	Status, recent changes, incidents, ...	Planned interventions
ASGC		* New DB instance for Castor 2.1.10 upgrade: in progress. * DB configuration optimizations for CASTOR pending.
BNL	Nothing to report	None
CNAF		
KIT	Nothing to report	* Migration of LFC/FTS RAC to new hardware postponed from March 31 to April 7
IN2P3	Nothing to report	None
NDGF	Nothing to report	None
PIC	LHCB DB was upgraded to 10.2.0.5 on the 28th of March.	
RAL	Castor schemas have been upgraded to 2.1.20	
SARA	Nothing to report	None
TRIUMF	Nothing to report	None

## AOB

-- JamieShiers - 30-Mar-2011

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This topic: LCG > WLCGTier1ServiceCoordinationMinutes110331

Topic revision: r16 - 2011-04-19 - GonzaloMerino



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