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WLCG Tier1 Service Coordination Minutes - 15 March 2012

Attendance

Local: Ian, Eva, Ale, Maite, Nicolo, Stefan, Julia, Jamie, MariaG, Mike Lamont, AndreaS, Claudio Grandi, Oliver, Maarten, MariaD, Daniel, Massimo, David.

Remote: FNAL, NDGF, BNL, RAL, PIC, IN2P3-CC, OSG, CNAF

Action list review

Release update

Data Management & Other Tier1 Service Issues

Site	Status	Recent changes	Planned changes
CERN	CASTOR (tapegateway active) + SRM-2.11 for all LHC instances; CASTOR 2.1.12-4 for ATLAS, CMS, LHCb and PUBLIC instances (w/ xroot-xcastor2fs_2112-1.1.0-1). CASTORALICE sports 2.1.11-9 FTS: all nodes in SLC5 3.7.0-3 EOSALICE, EOSATLAS and EOSCMS 0.1.2-2 (w/ xrootd-3.1)	EOSATLAS being rolled out CASTORCMS+ATLAS+LHCb upgraded to 2.1.12-4	CASTORALICE to 2.1.12-4 (Mar 19th)
ASGC	CASTOR 2.1.11-6 SRM 2.11-0 DPM 1.8.2-3	None	None
BNL	dCache 1.9.12.10 (Chimera, Postgres 9 w/ hot backup) http (aria2c) and xrootd/Scalla on each pool	None	None
CNAF	StoRM 1.8.1 (Atlas, CMS, LHCb)	None	None
FNAL	dCache 1.9.5-23 (PNFS, postgres 8 with backup, distributed SRM) httpd=2.2.3 Scalla xrootd 2.9.7/3.1.0.osg Oracle Lustre 1.8.6 EOS 0.1.1-12/xrootd 3.1.0.osg with Bestman 2.0.10 FTS 3.7.7 on SL5	upgraded FTS yesterday	
IN2P3	dCache 1.9.12-16 (Chimera) on core servers and pool nodes. New hardware (more RAM, SSD disks) for Chimera and SRM servers (with SL6). Postgres 9.1	None	None
KIT	dCache atlassrm-fzk.gridka.de: 1.9.12-11 (Chimera) cmsrm-fzk.gridka.de: head nodes 1.9.5-26 (Chimera), pool nodes 1.9.5-6 through -25 gridka-dcache.fzk.de: head nodes 1.9.5-26 (PNFS), pool nodes 1.9.5-24,-25		

	xrootd (version 20100510-1509_dbg)		
NDGF	dCache 2.1 (Chimera) on core servers. Mix of 1.9.13 and 2.0.1 on pool nodes.		
NL-T1	dCache 1.9.12-10 (Chimera) (SARA), DPM 1.7.3 (NIKHEF)		
PIC	dCache 1.9.12-14; PNFS on Postgres 9.0	None	None
RAL	CASTOR 2.1.11-8 2.1.11-8 (tape servers) SRM 2.11-1	Just upgraded FTS	None
TRIUMF	dCache 1.9.5-28 with Chimera namespace	None	None

Other site news

CASTOR news

CERN operations and development

EOS news

xrootd news

dCache news

StoRM news

FTS news

- FTS 2.2.8 EMI now running in production at: CERN on all the FTS servers (pilot, T2Export and T0Export), NDGF-T1, RAL-LCG2, Taiwan-LCG2, FZK-LCG2 (just yesterday, waiting confirmation everything is ok). Rollout to the T1s is ongoing.
- Summary of 2.2.8 rollout - <https://svnweb.cern.ch/trac/glitefts/wiki/FTS228RolloutPlanning>
 - ◆ Detailed FTS server deployment plan: <https://docs.google.com/spreadsheets/ccc?key=0AthhzXLQok7XdFpUeDBfLXE2S1RDZE4zcHp6QW>
 - ◆ Alessandro from CNAF requested to postpone their date for FTS upgrade towards the end of the required period 28-29.3. Ale confirmed that 4 hrs max. are enough.
 - ◆ CMS (Nicolo) said 3 GGUS tickets were opened with FTS 2.2.8 experience recently. The new functionality of 'resume' transfers requires a patch, now ready and being tested on the pilot system in order to use a less frequent check-point (now checking every second and overloading the system). The new EMI release in April will contain this patch.
- FTS 3 update by Oliver (slides on the agenda). Nxt demo on 21st March.

DPM news

- DPM 1.8.3, certification is underway
 - ◆ Will be released for EMI-I on SL5
 - ◆ EPEL compatibility
 - ◆ synchronous GET for performance improvements
 - ◆ HTTP interface
 - ◆ Integration of gridPP admin toolkit
- First SL6 support expected with EMI-II (May 2012)
- DPM 1.8.2-3 (EMI release) in production
- DPM 1.8.2-3 (gLite release) in production
 - ◆ fast dpm-drain

- ◆ filesystem selection algorithm configurable by admin
- ◆ support for central banning (Argus)
- ◆ Allow definition of the number of threads for DPM and SRM servers at startup time
- ◆ <https://savannah.cern.ch/patch/?5005>
- ◆ <https://savannah.cern.ch/patch/?5006>
- Periodic releases of new unstable components can be followed on the blog:
 - <https://svnweb.cern.ch/trac/lcgdm/blog>
 - ◆ This covers NFSv4.1, WebDAV, Nagios, Catalogue synchronisation & 'perfsuite'.
 - ◆ Latest release: <https://svnweb.cern.ch/trac/lcgdm/blog/unstable-release-1111>

LFC news

- LFC 1.8.2-3 (EMI release) in production
- LFC 1.8.2-2 (gLite release) in production
 - ◆ fix for read-only replica operation (LHCb)
 - ◆ support for central banning (Argus)
 - ◆ <https://savannah.cern.ch/patch/?5003>
 - ◆ <https://savannah.cern.ch/patch/?5004>

LFC deployment

Site	Version	OS, n-bit	Backend	Upgrade plans
ASGC	NA	NA	NA	NA
BNL	1.8.0-1	SL5, 64-bit	Oracle	None
CERN	1.8.2-0 64-bit	SLC5	Oracle	all servers are SLC5 64-bit virtual machines
CNAF	1.8.0-1	SL5 64-bit	Oracle	None
FNAL	N/A			Not deployed at Fermilab
IN2P3	1.8.2-2	SL5 64-bit	Oracle 11g	
KIT	1.7.4-7	SL5 64-bit	Oracle	Oracle backend migration pending
NDGF	1.7.4.7-1	Ubuntu 10.04 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	None

Experiment issues

WLCG Baseline Versions

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

Status of open GGUS tickets

Review of recent / open SIRs and other open service issues

Conditions data access and related services

Database services

- Experiment reports:
 - ◆ ALICE: Testing the use of Active Data Guard in order to replace Streams PVSS replication.
 - ◆ ATLAS: new schema ATLAS_CONF_TRIGGER_MC added to replication from CERN to Tier1 sites. ATLAS LFC replication to BNL being investigated.
 - ◆ CMS: Move to Active Data Guard (to replace Streams replication) is progressing. Streams apply handler errors due to changes in Oracle 11g.
 - ◆ Active Data Guard monitoring being improved.
- Site reports:

Site	Status, recent changes, incidents, ...	Planned interventions
BNL	ntr	None
CNAF		
KIT	Migrated the Compass-LFC schema to the new hardware (FTS-cluster) and upgraded this cluster to 11.2.0.3. The migration and upgrade process to 11g is finished at KIT/Gridka. Some problems with communication between FTS-frontend and FTS-DB observed. Probably related to SCAN-IP or SERVICE_NAME request. Working on it.	None
IN2P3	Follow-up on upgrade issues with Oracle.	Upgrade to 11g eventually next week - being agreed with experiments
PIC	ntr	None
RAL	Follow-up on scan listener issues with Oracle, bug doc 1379498.1. Data Guard configuration running for CASTOR databases.	None
SARA		
TRIUMF	Compatible parameter updated to 11.2.0.3	None

AOB

-- AndreaSciaba - 14-Mar-2012

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