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WLCG Tier1 Service Coordination Minutes - 15 September 2011

Attendance

Action list review

Release update

Data Management & Other Tier1 Service Issues

Site	Status	Recent changes	Planned changes
CERN	CASTOR 2.1.11-6 (SL5); CASTOR-SRM 2.10-x (SL5); xrootd: 2.1.11-1 FTS: 5 nodes in SLC5 3.7.0-3; 7 nodes in SLC4 3.2.1 EOS -0.1.0/xrootd-3.0.4	CASTOR-SRM on SL5	EOS-SRM (bestman) update to 2.1.3
ASGC	CASTOR 2.1.11-2 SRM 2.11-0 DPM 1.8.0-1	None	None
BNL	dCache 1.9.5-23 (PNFS, Postgres 9)	None	Transition to Chimera during next TS (Nov)
CNAF	StoRM 1.7.0		
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		
IN2P3	dCache 1.9.5-26 (Chimera) on core servers. Mix of 1.9.5-24 and 1.9.5-26 on pool nodes		
KIT	dCache (admin nodes): 1.9.5-27 (ATLAS, Chimera), 1.9.5-26 (CMS, Chimera) 1.9.5-26 (LHCb, PNFS) dCache (pool nodes): 1.9.5-6 through 1.9.5-27		
NDGF	dCache 1.9.12		
NL-T1	dCache 1.9.5-23 (Chimera) (SARA), DPM 1.7.3 (NIKHEF)		
PIC	dCache 1.9.12-10 (last upgrade to patch release on 13-Sep); PNFS on Postgres 9.0		Planning intervention in the MSS: upgrade to Enstore2. Possible date 28-Sep. In contact with experiments to check if this is ok.
RAL	CASTOR 2.1.10-2 2.1.10-0 (tape servers) SRM 2.10-0		7/9: will apply DB patches to 3D ATLAS and LHCb, FTS and LFC. Services will be "at risk"
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 2.2.5 in gLite Staged Rollout: http://glite.cern.ch/staged_rollout
- FTS 2.2.6 released in EMI-1 Update 6 on Sep 1
- FTS 2.2.7 being prepared for certification: FTS 2.2.7 patch (see list of bugs at the end)

DPM news

- DPM 1.8.2-2 ready for final certification (code already validated extensively and in use at some sites)
 - ◆ fast dpm-drain
 - ◆ filesystem selection algorithm configurable by admin
 - ◆ support for central banning (Argus)
 - ◆ <https://savannah.cern.ch/patch/?5005>
 - ◆ <https://savannah.cern.ch/patch/?5006>

LFC news

- LFC 1.8.2-2 ready for final certification (code already validated extensively and in use at some sites)
 - ◆ 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	1.8.0-1	SLC5 64-bit	Oracle	None
BNL	1.8.0-1	SL5, 64-bit	Oracle	None
CERN	1.8.2-0 64-bit	SLC5	Oracle	Upgrade to SLC5 64-bit only pending for lfshared1/2
CNAF	1.7.4-7 (ATLAS, to be dismissed) 1.8.0-1 (LHCb, recently updated)	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	1.7.4-7	SL5 64-bit	Oracle	Oracle backend migration pending
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

- All 4 experiments confirmed they had no issues. Atlas shifters are reminded to use TEAM tickets in order to share the ticket ownership across shifts.
- The introduction of a "Type of Problem" field for TEAM and ALARM tickets will take place with the 2011/09/28 GGUS Release as planned according to Savannah:117206. The field values will be, as agreed:
 - ◆ Infrastructure (File transfer/access, Batch, Monitoring)
 - ◆ Storage Systems
 - ◆ Databases
 - ◆ Network problem
 - ◆ Middleware

Review of recent / open SIRs and other open service issues

Conditions data access and related services

Database services

- Experiment reports:
 - ◆ ATLAS:
 - ◇ Due to a high load coming from COOL application third node of Atlas offline database (ATLR) rebooted on Thursday (8th of Sept) around 2AM. After 3rd node has restarted first instance of ATLR crashed due to clusterware error (according to Oracle documentation it's a known problem in 10g per unpublished bug). All services were relocated to the second node which managed to survive. All ATLR instances were back in operation in around 20 minutes.
 - ◇ As it was requested by ATLAS experiment the new schema ATLAS_CONF_TRIGGER_REPR has been added to ATLAS T0-T1s replication on Wednesday (14th of Sept). The intervention was not transparent and required 1 hour downtime (from 10.30 until 11.30) of whole ATLAS replication service between T0 and T1s.
 - ◆ CMS:
 - ◇ There were several failures of CMS PVSS stream replication on: Monday, Tuesday and Wednesday (12-14th of Spet) due to user mistakes who created view with wrong syntax, and tried to recompile non-existing views.
 - ◆ WLCG:
 - ◇ LCGR database services were unreachable for 1 hour on Sunday (11th Sept ~19:30). The problem was caused by reaching maximum number of opened session by the database. This problem was triggered by the fact that some VOMS application stopped disconnecting from the database but kept opening new sessions. In order to

make database available again instance no 4 was restarted.

- Site reports:

Site	Status, recent changes, incidents, ...	Planned interventions
BNL	- Resynchronization of a table in the Conditions DB due to a streams instantiation problem. - Renew DOE certificates in the BNL Oracle Enterprise Manager Grid Control.	- apply CPU patches initially to Conditions Database and proposed patch from Oracle (P6011045).
CNAF		Applying CPU July patches on 20th and 21st of September
KIT	ATLAS 3D DB: due to the migration to new hardware, disk group names changed and we had to re-create a few dba_directories.	None
IN2P3		
NDGF		
PIC		We're going to apply July CPU patch on all database next week, between Tuesday and Wednesday.
RAL	Nothing to report	None
SARA	Nothing to report (Not attending)	None
TRIUMF	Nothing to report	None

AOB

-- JamieShiers - 14-Sep-2011

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