



WLCG Service Report

4 weeks, March 21 – April 18

WLCG Management Board, 18th April 2017

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CERN

v1.2

Operations Coordination meetings

- These meetings normally are held **once** per month
 - Usually on the first Thursday
- Each meeting has a **standard agenda** plus at least one **dedicated topic**, announced in advance
- Experiments and sites are kindly asked to have the **relevant experts** attend, depending on the topic(s)
- Next meeting May **18th**

Operations Coordination highlights (1)

- Presentation and discussion of the HTCondor accounting work at PIC
 - Generic solution will be coordinated by Accounting TF
- Important developments reported by the Network and Transfer Metrics WG
 - Report from LHCOPN/LHCONE workshop
 - ESnet and GEANT reported 85% growth in LHCONE
 - New major version of perfSONAR
 - BNL/ASGC throughput improved by factor 10

Operations Coordination highlights (2)

- Update on Singularity by the Traceability and Isolation WG
 - Traceability challenge planned for CERN jobs
 - Successful security review of the Singularity code coordinated by CERN-IT security team
- Discussion on the long-downtimes proposal
 - Follow up discussion foreseen for the workshop

Selected items from Operations (1)

- Mixed high activity across the experiments
 - MC, reprocessing, analysis
 - Commissioning with cosmics
- ATLAS
 - In general smooth operations
 - Reprocessing campaign for 2016 and 2015
 - Issues with overloaded Frontier services
 - Issues with VOMS-Admin in the new version deployed to fix security threat
 - Fixed on April 19th
- CMS
 - Running 24/7 recording cosmic rays
 - CNAF and Wisconsin PhEDEx down after CMSR DB migration due to MTU settings

Selected items from Operations (2)

- ALICE
 - Very high activity
 - 136k running jobs record
- LHCb
 - Tape systems loaded by data stripping campaign
 - **Alarm** tickets for CERN (GGUS:127308, GGUS:127324)
 - Communication failure in CERN-HIST-EOS
 - DIRAC VOBOX unable to restart
 - **Alarm** tickets for RAL (GGUS:127612, GGUS:127617)
 - CEs not accepting new jobs until ARC CE restart
 - SRM system required downgrade to version 2.11
 - **Alarm** ticket for CNAF (GGUS:127608)
 - SRM service was unavailable and required restarts

Selected items from Operations (3)

■ Middleware

- An issue affecting IPV6 transfers to DPM when gridftp redirection is enabled ([GGUS:127285](#)).
 - Sites are advised not to enable gridftp redirection until the issue is fixed.
- UMD emergency updates to fix vulnerabilities in canl-c and VOMS-Admin
- An openssl update affects Java-based services if their Java version is too old ([GGUS:127656](#))
 - The remedy is to update Java and restart affected services

■ FTS

- Upgrade to 3.6.7 was done at CERN
 - A new version (3.6.8) with faster DB schema upgrade has been released and deployed in the meantime

Selected items from Operations (4)

- CERN
 - DB HW migrations were finished
 - SIR for CMSR migration PhEDEx issue was prepared
 - Puppet 4 migration affected a number of services
 - Manually managed cron jobs were lost
- OSG
 - OSG BDII was decommissioned April 4

Selected items from Operations (5)

- NLT1
 - SARA will implement dual stack dCache instance on May 2nd
- JINR
 - Low load and transfer issues from FNAL under investigation
- Several T1 sites upgraded their dCache services

Service Incident Reports

- CERN SIR available
 - PhEDEx not working in 2 sites after CMSR DB migration
 - 48h unavailability for CNAF and Wisconsin

GGUS summary (4 weeks Mar 20 – Apr 17)

VO	User	Team	Alarm	Total
ALICE	3	4	0	7
ATLAS	15	81	0	96
CMS	154	1	0	155
LHCb	1	22	5	28
Totals	173	108	5	286

