



WLCG Service Report

3 weeks, June 20 – July 12

WLCG Management Board, July 12th 2017

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CERN

v1.0

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: Sep 14

Operations Coordination highlights (1)

- Thanks to **University of Manchester** for the excellent organization of the WLCG Workshop 2017 !
 - Today's GDB featured a summary as well as the Authorization WG proposal
 - Activities in different areas continue in the appropriate forums
 - A Pre-GDB on containers was held yesterday
- Open Source Globus Toolkit end of support
 - CERN together with OSG will take over the code maintenance and support in the short term
 - Hopefully with the continued participation of NDGF
 - In the longer term we will look at how this code should be replaced
 - In particular GSI and GridFTP

Operations Coordination highlights (2)

- MW deployment forums and feedback
 - Improving communication channels
 - Coordination of patches, workarounds and followup with developers
- Theme: Providing reliable storage
 - This time IN2P3-CC presented best practices, questions and wishes
 - More such contributions are planned
- perfSONAR baseline moved to v4.0.0
 - 194 nodes updated so far
- IPv6: dual-stack storage campaign for T2 sites in preparation

Selected items from Operations (1)

- High overall activity across the experiments
- ATLAS
 - Successful throughput test P1 → EOS → CASTOR → tape July 6-7
 - Workflow validated at approx. double the nominal data taking rate
- CMS
 - Xrootd client write recoveries have led to occasional file corruptions (GGUS:127993)
 - Can be circumvented by setting an environment variable
 - Not yet fully resolved
 - EL7 migration
 - Found some issues with Singularity under some configuration circumstances
 - Recommendation is to wait with migration, if possible

Selected items from Operations (2)

- LHCb
 - CERN: HTCondor jobs end up with too short-lived proxies ([GGUS:129147](#))
 - 1 day delegations of the 4-day proxies supplied at job submission time
 - Configuration issue suspected
- CERN
 - Technical stop: upgrades of CASTOR and EOS, patching of various DB
 - EOS-ATLAS and EOS-CMS: new GSI plugin fixes earlier scalability problems
 - Occasional HTCondor CE crashes due to proxy re-delegation memory leaks (particularly affecting ALICE)
 - Working with the HTCondor devs to get that fixed
 - Possible workarounds being looked into

Selected items from Operations (3)

- CNAF
 - Xrootd tested OK with IPv6
- NLT1
 - 1-day scheduled downtime July 10-11 for HW replacement in the tape back-end
- RAL
 - 3rd 10-Gbit OPN link added June 28
- TRIUMF
 - 6h scheduled downtime on June 26
 - Upgrades of dCache, switch firmware, OS
 - Migration of half the cluster from Torque + CREAM CE to HTCondor + ARC CE
 - Namespace/Postgres performance issues after upgrading dCache to 2.16.39
 - Also seen earlier at NLT1
 - dCache developers have updated their upgrade guide accordingly

Selected items from Operations (4)

■ GGUS

- After the Remedy upgrade on May 31 there were problems with binary attachments
 - Firefox could no longer download them
 - Other clients experienced a very low download speed for such attachments
 - GGUS:129153 was opened on June 26
 - The problem was fixed on June 29

■ Security

- New infamous vulnerability: **Stack Clash**
 - Sites have been advised to update their WN and any shared UI instances

Service Incident Reports

- None

GGUS summary (3 weeks June 19 – July 9)

VO	User	Team	Alarm	Total
ALICE	5	1	0	6
ATLAS	9	54	0	63
CMS	93	3	0	96
LHCb	2	13	0	15
Totals	109	71	0	180

