



# WLCG Service Report

4 weeks, 15<sup>th</sup> February 2023 – 14<sup>th</sup> March 2022

WLCG Management Board, 14<sup>th</sup> March 2023

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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 usually 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 on April 6<sup>th</sup>
  - Topic: TBC

# Operations Coordination main points

- Readiness for switching to a new benchmark
  - HEPscore23 to be adopted in production
    - 7 workloads using most recent version of the experiments' software
    - To be released 1<sup>st</sup> of April
    - March 2023 is used to test and validate the configuration
    - Documentation is being prepared for pioneer sites which will validate the new dataflow
  - Accounting TF is progressing with integrating the new benchmark in the workflow

# Operations Coordination (2)

- Middleware
  - Workaround for supporting SHA-1 CAs on RHEL9 and derivatives was broadcasted
- Information System Evolution TF
  - CRIC loader for BDII data concerning CEs and queues is being tested for LHCb
  - CMS CRIC populated with new groups to be synched with IAM
- Monitoring
  - dCache monitoring data to be forwarded to CERN Messaging system

# Operations Coordination (3)

- Network Throughput WG
  - perfSONAR 5 is expected to be released in April
  - Proposal that all T1s subscribe to the perfSONAR alarms on bandwidth decreases
  - Draft plan for network mini-challenges and milestones in preparation for the DC24
- WG for Transition to Tokens and Globus Retirement
  - CE token support campaign on EGI progress
    - Only a few sizable T2 sites remain, the rest are small sites

# Selected items from Operations (1)

- ALICE
  - More sites have been switched from single- to 8-core pilots
- ATLAS
  - Harvester will be updated to HTCondor v10 in March
    - No more job submissions via GSI
  - Affected by issues on Alma9 with CA certificates using SHA-1
- CMS
  - Token migration progressing steadily
  - Access tokens that allow (in principle) job/pilot submission were exposed publicly and have been replaced
    - No misuse has been identified so far
- LHCb
  - Move to Singularity / Apptainer is progressing
  - DIRAC support for submission to HTCondor and AREX CEs with tokens was validated

# Selected items from Operations (2)

- GGUS
  - The Feb release suffered from 3 issues not seen with the test instance
  - The normal e-mail workflow was broken for newly created tickets during 2 days
    - A broadcast was sent about the incident timeline
  - 2 issues were due to certificate changes prompted by the EoL of the GridKa CA in June 2023 and of the KIT CA in Dec 2023
    - Updates from CERN Service Now were not propagated to GGUS during 6 days
      - Reported in the WLCG ops meeting
      - Fixed by LetsEncrypt certificate with full chain
    - Alarm tests failed for BNL, FNAL and TRIUMF
      - Fixed by propagating the details of the new certificate used to sign the e-mails

# Selected items from Operations (3)

- Middleware
  - IGTF release 1.118 (Feb 27) brought a new version of the UKeScience Root, re-issued using SHA-2
  - Unfortunately the MD5 subject hash changed unnoticed, which at least broke HTTP TPC transfers involving StoRM endpoints ([GGUS:160759](#))
  - Fixed in IGTF release 1.119, March 13
- RAL
  - Cooling problem for ~2 hours on March 2
  - Various parts of the disk storage and a few WNs switched themselves off
    - In particular the Echo gateways
  - Fully recovered since March 5



# Service Incident Reports

- Pending
  - RAL network incident

# GGUS summary (4 weeks, 13<sup>th</sup> Feb - 12<sup>th</sup> Mar)

VO	User	Team	Alarm	Total
ALICE	8	0	0	8
ATLAS	1	78	0	79
CMS	91	0	0	91
LHCb	1	18	0	19
Totals	101	96	0	197

