



WLCG Service Report

6 weeks, Sep 19 – Oct 30

WLCG Management Board, Oct 30th, 2018

Borja Garrido
CERN

v1.3

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:
 - Re-scheduled Nov 1 → Nov 8
 - Topic(s) TBD

Operations Coordination highlights

- Follow up on August KIT data loss incident
 - Considered closed by CMS
- WLCG Archival Working Group update
- DPM Upgrade task force update
- Important notice concerning TLS v1.2 support on WLCG
 - More details on page 4 - 5

TLS v1.2 support on WLCG

- On Sep 21 a Globus update in the EPEL repositories made TLS v1.2 the only version to be supported for security handshakes in GSI.
- The concerned package was `globus-gssapi-gsi-13.10`.
- Unfortunately, a significant number of grid services in WLCG were not ready for that change and started running into failures.
- We therefore asked for the minimum supported version to be set to TLS v1.0 again and we arranged for services like the FTS either **not** to apply the Globus update yet, or to adjust `/etc/grid-security/gsi.conf`.
- Version `globus-gssapi-gsi-14.7-2` has that **temporary** workaround and is available in the EPEL repositories since Oct 16 (see next page). The EGI UMD has an older version that also is fine for the time being.
- We have provided simple recipes for potentially affected services to be checked and updated as needed. They may directly depend on **Globus**, but could also be based on **Java**. An EGI broadcast was sent on Oct 29.
- Of particular concern are **SRM**, **GridFTP**, **CE** and **Argus** services.
- A deadline for TLS v1.2 support will be set to early 2019.

Grid Community Toolkit

- The Grid Community Forum was established 1 year ago to ensure the continued support of those Globus Toolkit components that for the time being remain essential to WLCG and partner projects
 - Security and GridFTP
- Current stakeholders and contributors include OSG, EGI, NorduGrid and CERN
- A first release of Grid Community Toolkit products essentially happened on Oct 16
 - In particular containing a globus-gssapi-gsi patch for WLCG and partner projects (see previous page)

Selected items from Operations (1)

- Heavy-ion throughput tests by ALICE, ATLAS and CMS
 - Some issues were encountered, but OK in the end
- ATLAS
 - CERN, TW, ES, IT, UK clouds largely migrated from APF to Harvester submission
 - ATLAS software & computing week
- CMS
 - Production activities recently got restricted to most important campaigns due to shortage of disk space
 - EOS instabilities at CERN ([INC:1784940](#), [GGUS:137768](#))
 - **Alarm** ticket [GGUS:137869](#) for EOS at CERN
 - Some files had disappeared from EOS due to a CMS workflow issue
- ALICE
 - No major issues
- LHCb
 - FTS3 data transfer failures between SARA and IN2P3-CC
 - Temporarily solved by disabling IPv6 for those transfers

Selected items from Operations (2)

- TRIUMF
 - ATLAS jobs unable to run for two days due to issue with core switch replacement in the new data centre
 - New storage system at new data centre in production
- FNAL
 - CERN → FNAL transfers hampered by bad link (GGUS:137632, GGUS:137493)
 - Issue narrowed down by the Network WG and resolved by FNAL
- KIT
 - dCache update for CMS: downtime had to be extended from Tuesday 23th to Wednesday 24th 10 a.m.
- Monitoring
 - REBUS database not accessible for two days
- Middleware
 - globus-gssapi-gsi issue (more details on page 4 - 5)

Service Incident Reports

- IN2P3-CC: 110 TB of ALICE data lost in August due to RAID problem

GGUS summary (6 weeks, Sep 17 – Oct 28)

VO	User	Team	Alarm	Total
ALICE	3	1	0	4
ATLAS	20	117	0	137
CMS	294	2	1	297
LHCb	1	33	0	34
Totals	318	153	1	472

