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WLCG Operations Coordination Minutes, July 2, 2020

Highlights

- WLCG Critical Services proposal followup
- CERN Grid CA OCSP incident
- SAM migration progress

Agenda

<https://indico.cern.ch/event/933764/>

Attendance

- local:
- remote: Alberto (monitoring), Andrew (TRIUMF), Borja (monitoring), Concezio (LHCb), Dave (FNAL), David (Technion), Felix (ASGC), Gavin (T0), Giuseppe (CMS), Horst (Oklahoma), Johannes (ATLAS), Maarten (ALICE + WLCG), Matt (Lancaster), Nikolay (monitoring), Pedro (monitoring), Stephan (CMS), Vincent (security)
- apologies:

Operations News

- After a few years of inactivity, we propose to close the Machine / Job Features TF
- The next meeting is planned for Sep 3

Discussion

- Concezio:
 - ◆ the MJF functionality is not critical for LHCb at WLCG sites
 - ◆ we do depend on it for Vac and cloud setups, though
- Maarten:
 - ◆ WLCG Ops Coordination is concerned with activities that potentially are of interest to more than 1 experiment
 - ◆ for MJF that looked the case a few years ago, but in the end only LHCb wanted to pursue that functionality
 - ◆ we just move the TF to the page listing the closed TFs (done), all its materials remain available for continued use

Special topics

WLCG Critical Services proposal followup

- There were no objections to go ahead with proposed changes, which can still be fine-tuned further as we implement them
- To be finalized by autumn

CERN Grid CA OCSP incident

- After a scheduled intervention on June 24, the CERN Grid CA OCSP service became inaccessible from outside CERN (OTG:0057432 [↗](#))
- Requests to the service were dropped by the CERN perimeter firewall
- A CREAM CE will try to check a client certificate's status via OCSP, if the existence of such an endpoint is indicated in the certificate details
 - ◆ It appears other CE flavors rely on CRLs only and just ignore OCSP services
- Checks of CERN Grid CA certificates were then hanging until a timeout was reached
- The CREAM client code would time out first, thus failing job submissions that used CERN Grid CA certificates
- This affected the 4 experiments and, through the SAM tests, sites running CREAM
 - ◆ Some A/R recomputations may be needed
- The service was restored about 24h later on June 25
- Some improvements are foreseen to make reoccurrence a lot less probable

- Further details here

Discussion

- Maarten: the trouble was that requests were not failing *quickly*; as far as we know, if e.g. the connection is refused, it is not fatal

- Stephan: is only CREAM concerned? we saw a ticket implicating an Xrootd service
- Maarten: please send me the details and I will look into the need for followup
 - ◆ *after the meeting: it probably was a mistaken inference*

SAM migration progress

see the presentation [↗](#)

- Also see the GDB presentation [↗](#) that will happen next week
- There were no comments

Middleware News

- Useful Links
 - ◆ WLCGBaselineTable
 - ◆ MW Issues
 - ◆ Storage Deployment
- Baselines/News

Tier 0 News

Tier 1 Feedback

Tier 2 Feedback

Experiments Reports

ALICE

- Mostly business as usual, no major issues

ATLAS

- Stable Grid production with up to ~380k concurrently running grid job slots with the usual mix of MC generation, simulation, reconstruction, derivation production and user analysis, including ~45k slots from the HLT/Sim@CERN-P1 farm and ~15k slots from Boinc. Occasional additional peaks of 200k job slots from HPCs.
- Continuing with about 60k job slots used for Folding@Home jobs since 4 April. 50% from ~55 different grid sites via opt-in and 50% at CERN-P1
- No other major other issues apart from the usual storage or transfer related problems at sites
- Finishing grand unification of production+analysis queues in PanDA in the next days.
- All systems recovered quickly from Oracle/DBonDemand downtime last Saturday - would appreciate to avoid such downtimes over the weekend next time
- CTA in production for ATLAS since Monday - still fixing some issues in Rucio/middleware

CMS

- Covid-19 compute contributions being returned to experiment use
- main processing activities:
 - ◆ Run 2 ultra-legacy Monte Carlo
 - ◆ Run 2 pre-UL Monte Carlo
- migration to Rucio ongoing
 - ◆ production of nanoAOD samples configured for PhEDEx being bumped up to complete more quickly

LHCb

- still running F@H on part of HLT farm
- large MC requests coming up so we are going to reduce this Covid-19-related activity
- processing (small) samples of lead-lead collisions and lead-neon fixed target collisions
- grid drained in preparation for the CERN Oracle/DBOD outage of last Saturday, DIRAC services and agents switched off, then on again after the outage, everything went extremely smoothly

Discussion on F@H reductions

- Maarten: it is perfectly defensible to ramp down resources for F@H, as we have already done a lot and we cannot neglect our own duties

Task Forces and Working Groups

GDPR and WLCG services

- Updated list of services

Accounting TF

Archival Storage WG

Containers WG

CREAM migration TF

Details here

Summary:

- 90 tickets
- 14 done: 7 ARC, 7 HTCondor
- 16 sites plan for ARC, 15 are considering it
- 20 sites plan for HTCondor, 14 are considering it, 8 consider using SIMPLE
- 14 tickets on hold, to be continued in the coming weeks / months
- 7 tickets without reply
 - ◆ response times possibly affected by COVID-19 measures

dCache upgrade TF

DPM upgrade TF

StoRM upgrade TF

Information System Evolution TF

IPv6 Validation and Deployment TF

Detailed status here.

Machine/Job Features TF

Monitoring

MW Readiness WG

Network Throughput WG

- **perfSONAR infrastructure status - 4.2.4 versions was released - please upgrade**
 - ◆ Release notes: <https://www.perfsonar.net/releasenotes-2020-04-01-4-2-4.html>
- **100 Gbps perfSONAR mesh was established** with 6 participating sites (TRIUMF, CERN, BNL, KIT, IC, AGLT2, Prague)
 - ◆ 100G testing/tuning resources added to WG Twiki (https://twiki.cern.ch/twiki/bin/view/LCG/NetworkTransferMetrics#perfSONAR_100G)
 - ◆ Testbed mailing list to join: <http://cern.ch/simba3/SelfSubscription.aspx?groupName=wlcg-perfsonar-100g>
- **New LHCONE mesh established testing from sites to R&E** perfSONAR endpoints (on LHCONE)
- OSG/WLCG infrastructure

- ◆ Discussing plan of migration to the push model - direct publishing of results from toolkits to RabbitMQ
- ◆ ESnet (router) traffic feed now available, working on its integration to our pipeline - prototype already working
- WLCG Network Throughput Support Unit: see twiki for summary of recent activities.

Traceability WG

Action list

Creation date	Description	Responsible	Status	Comments
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Specific actions for experiments

Creation date	Description	Affected VO	Affected TF/WG	Deadline	Completion	Comments
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Specific actions for sites

Creation date	Description	Affected VO	Affected TF/WG	Deadline	Completion	Comments
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AOB

This topic: LCG > WLCGOpsMinutes200702

Topic revision: r11 - 2020-07-03 - MaartenLitmaath



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