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# WLCG Operations Coordination Minutes, Dec 12, 2019

## Highlights

- SAM ETF update
- EOS update
- SIMPLE framework update
- Squid Monitoring and HTTP Proxy Discovery TFs have **finished** !

## Agenda

<https://indico.cern.ch/event/869667/>

## Attendance

- local: Andrea (CMS + WLCG), Julia (WLCG), Kuba (storage), Luca (storage), Maarten (ALICE + WLCG), Marcelo (LHCb + CNAF), Marian (monitoring + networks), Mayank (WLCG), Renato (LHCb + CBPF)
- remote: Christoph (CMS), Daniel (FNAL), Dave D (FNAL), Dave M (FNAL), David S (ATLAS), Di (TRIUMF), Giuseppe (CMS), Johannes (ATLAS), Matt (Lancaster), Panos (WLCG), Paolo (CMS), Stephan (CMS)
- apologies:

## Operations News

- the next meeting is planned for Jan **30**
  - ◆ please let us know if that date would be very inconvenient

## Special topics

### SAM ETF update

see the presentation [?](#)

- Andrea: could HammerCloud make use of ETF functionality?
- Marian:
  - ◆ in principle there are synergies, but some effort would be required
  - ◆ see our report [?](#) on ETF and HammerCloud
- Dave M:
  - ◆ could we use ETF to probe for vulnerabilities?
  - ◆ USCMS would be interested
- Marian:
  - ◆ in principle
  - ◆ EGI are using Nagios for some of their security tests
- Maarten:
  - ◆ on a WN one can check the rpm list for vulnerable SW, but how would vulnerable services be identified?

- ◆ before we start trying to implement anything in this area, we should first discuss such ideas in relevant security forums
- Julia: HammerCloud has better coverage for any scale tests
- Stephan: in Jess, can the set of WN metrics be dynamic across sites?
- Marian: yes
- Stephan: can we process additional metrics in MONIT?
- Marian: yes, ETF can send the data to a message queue
- Stephan: we probably can clean up the set of CMS tests
- Andrea: is it necessary or just recommended to rewrite the WN tests?
- Marian: it depends, let's follow up offline
- Marian: the migration schedule is not fixed, but should happen next year

## EOS update

see the presentation [↗](#)

- Johannes:
  - ◆ we confirm the ATLAS instance has been more stable since summer
  - ◆ do you have similar stats for EOS-USER?
  - ◆ we have suffered a number of problems with web services hosted there
- Luca:
  - ◆ there were EOS incidents affecting users whose name starts with 'a'
    - ◇ these are always reported on the CERN IT Status Board if you need to correlate
  - ◆ there also were incidents with the web service layer on top, which are under responsibility of another group
- Maarten:
  - ◆ you can open a ticket when a web service misbehaves, whatever the cause
  - ◆ the regular ATLAS-IT meetings can be used to escalate matters if needed
- Julia
  - ◆ From the perspective of the WLCG Operations we also confirm big improvement of the service stability and would like to thank EOS team for their work. Will take EOS away from the radar of the WLCG Operations
- Renato: readiness for Run 3?
- Luca:
  - ◆ we are working in particular with ALICE and LHCb, because of their greatly increased data rates
  - ◆ the HW is expected early 2020, followed by stress tests etc.
- **NOTE:** the 4th EOS workshop [↗](#) will happen at **Feb 3-5 at CERN**

## SIMPLE framework update

see the presentation [↗](#)

- Julia: we are looking for **volunteers** from T2/T3 sites!
- Marian: could it be used on commercial cloud resources?

- Mayank: yes, deployment testing was done on DigitalOcean, AWS, OpenStack
- Marian: collaboration with SLATE?
- Mayank: we are already in touch

## Middleware News

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

## Tier 0 News

## Tier 1 Feedback

## Tier 2 Feedback

## Experiments Reports

### ALICE

- Normal activity levels
  - ◆ High analysis fractions, even 50% or higher for many days
- No major issues

### ATLAS

- Smooth Grid production over the past weeks with ~330k concurrently running grid job slots with the usual mix of MC generation, simulation, reconstruction, derivation production and user analysis. In addition ~76k job slots from the HLT/Sim@CERN-P1 farm. First tests of running evgen on CERN-P1 are successful
- No major issues apart from the usual storage or transfer related problems at sites.
- Detailed discussions about data carousel with Tier1s, FTS, CTA, dCache experts last week during ATLAS S&C week
- Will do a data15-18 RAW processing with DRAW filtering output. The data carousel tape staging mode will be used with the usual Tier1s shares - CERN CTA will be added for some fraction. Start date is planned right after the Christmas break.
- Will run usual light-weight production workload during the end-of-year break, including full use of P1 for simulation
- Thanks to all for a very productive year 2019 ! Merry Christmas and Happy New Year !

### CMS

- running with 260k to 310k cores during last month
  - ◆ database corruption threw production into lower gear for about a week, fully recovered (and appreciated by people analysing data who made good use of the available resources)
  - ◆ ultra-legacy re-reconstruction of 2017 data almost complete
  - ◆ ultra-legacy re-reconstruction of 2018 data progressing well
  - ◆ nanoAOD campaign 2/3rd complete (small file handling)

- plan to phase out SSB dashboard at the end of January
- following up together with WLCG taskforce on dcache upgrade at sites
- preparing for holiday break (organizing existing work, limiting changes/new processing requests)

## LHCb

- Running around 100K jobs in the grid
  - ◆ HLT Farm out for maintenance
- No major issues
- Thanks for the great year, we wish to all great holidays, Let's aim for an even better 2020!

## Task Forces and Working Groups

### Upgrade of the T1 storage instances for TPC

- Detailed table

### GDPR and WLCG services

- Updated list of services

### Accounting TF

- November accounting Task Force meeting [☞](#) agreed on the procedure for regular checks of the accounting numbers and following up on issues
- First round of validation of the accounting data following new workflow has been performed by T1s for October data. November validation will be done with T1 and T2 sites
- New WLCG Accounting Utility (WAU) has been deployed in production [☞](#)
- Presentation at the GDB [☞](#) on the accounting status and plans

### Archival Storage WG

### Containers WG

### CREAM migration TF

### dCache upgrade TF

- 17 sites are already running version 5.2.\*, 25 to be upgraded
- SRR still to be enabled at all sites. Only JINR enabled it
- This week all sites will be ticketed, either for upgrade to 5.2.\* or for SRR
- Link to CRIC [☞](#)

### DPM upgrade TF

- Out of 54 DPM sites used by the LHC experiments, 6 are moving to other solutions, 1 site is suspended from WLCG operations, 12 still to migrate, 7 migrated but to be reconfigured, 28 done
- Link to CRIC [☞](#)

## Information System Evolution TF

## IPv6 Validation and Deployment TF

Detailed status here.

## Machine/Job Features TF

## Monitoring

## MW Readiness WG

## Network Throughput WG

- **Status update was presented at ATLAS S&C week (<https://indico.cern.ch/event/823341/>), mainly focused on analytics**
- WG meeting during ATLAS S&C - discussed near-term objectives for the SAND analytics team and planned various developments to improve the pipeline
- perfSONAR infrastructure status - please ensure you're running the latest version 4.2.2-1.el7
- 100 Gbps perfSONAR testbed mailing list to join:  
<http://cern.ch/simba3/SelfSubscription.aspx?groupName=wlcg-perfsonar-100g>
  - ◆ 100 Gbps perfSONAR spec based on AMD architecture will be circulated in the mailing list (initial testing will be performed at AGLT2)
- **CERN Networking Week** will take place 13-17 January (<https://wiki.geant.org/display/SIGNGN/4th+SIG-NGN+Meeting>)\*
  - ◆ **HEPiX Network Virtualisation WG interim-report** - comments, feedback welcome
- WLCG Network Throughput Support Unit: see twiki for summary of recent activities.

## Squid Monitoring and HTTP Proxy Discovery TFs

- After 6-1/2 years, all of the tasks listed on the SquidMonitoringTaskForce and HttpProxyDiscoveryTaskForce twiki pages have finally been completed!
- There are still a number of small things to do, but we can probably now officially shut down the task forces and the reporting to this meeting.
- Julia:
  - ◆ thanks a lot for all the work that was done!
  - ◆ we will check when Dave can give a **summary presentation in the GDB**

## 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

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This topic: LCG > WLCGOpsMinutes191212

Topic revision: r15 - 2019-12-16 - MaartenLitmaath



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