



WLCG Service Report

3 weeks, Nov 17 – Dec 8

WLCG Management Board, 8th Dec 2015

Maria Dimou
CERN

v.2.0

Operations Coordination highlights (I)

<https://twiki.cern.ch/twiki/bin/view/LCG/WLCGOpsCoordination>

- At the 19/11 meeting, all sites were asked to patch their hosts for the NSS vulnerability as soon as possible.
- At the 3/12 meeting:
 - Reminder to register to the WLCG Workshop in Lisbon on 1-3 February 2016.
 - Recent RedHat fix for openldap, to avoid current crashes affecting Top BDII and ARC-CE is now announced. Tests of this fix are starting.
 - The Information Systems TF Future Use Cases Document is now ready. GDB presentation on 10/12.

Operations Coordination highlights (II)

<https://twiki.cern.ch/twiki/bin/view/LCG/WLCGOperationsMeetings>

- Task Forces / Working Groups:
 - The Machine/Job Features TF is aligned with the InfoSys TF recommendations and attributes' definitions.
 - ALL sites are encouraged to enable auto-updates for perfSONAR. Collector, datastore, publisher and dashboard are in production. Operation is stable.
 - Several recent MW versions were verified by the MW Readiness WG (dCache, HTCondor, BDII, ARC CE).
 - The voms server doesn't work with IPv6.

Selected items from Operations (1)

<https://twiki.cern.ch/twiki/bin/view/LCG/WLCGOperationsMeetings>

- CERN:
 - Adding capacity to the HTCondor cluster. One ARC CE still running.
 - Multiple DB issues experienced in the week of 30/11. Details in [the 3/12 3pm Ops call report](#)
- IN2P3: French CA now patched to deliver host certificates compliant with the upcoming policy change in Globus. Reminder of the change: The Subject Alternative Name must contain all names (aliases) used for accessing the service.
- PIC: The same achieved for spanish sites by use of the Terena CA.

Selected items from Operations (2)

<https://twiki.cern.ch/twiki/bin/view/LCG/WLCGOperationsMeetings>

- Normal to high activity for all 4 experiments.
- All adapted their workflows to work with the HTCondor CE.
- Smooth heavy ion data recording so far.
 - ATLAS and CMS reported issues due to high memory consumption by reconstruction jobs.
- **ALICE:**
 - Openstack issue on 30/11. Fixed in [GGUS:118062](#)
 - Issue with KIT on 5/12 about expired CERN CRL. Fixed in [GGUS:118170](#)
 - Issue with CERN CASTOR on 6/12 affecting reco jobs. Fixed in [GGUS:118177](#)
 - High-memory queue arrangements were made with CERN and those T1 sites that are receiving heavy-ion data: thanks!
 - So far the RSS memory usage has been up to ~2.5 GB max
 - That has allowed using normal queues at several sites

Selected items from Operations (3)

<https://twiki.cern.ch/twiki/bin/view/LCG/WLCGOperationsMeetings>

- **ATLAS:**
 - New record in parallel running slots - 250k, reached mid-November, thanks to the impact of opportunistic resources like Sim@P1 and NERSC_Edison (together they contributed with more than 50k slots).
 - Last week, a low Tier-0 performance in terms of events/sec reconstructed was observed, due to a huge I/O wait in Wigner spinning disks nodes. They were reconfigured to run less jobs than what is their standard batch configuration, and the performances improved.
 - Plan to launch a full reprocessing campaign on the December 14th.

Selected items from Operations (4)

<https://twiki.cern.ch/twiki/bin/view/LCG/WLCGOperationsMeetings>

- **CMS:**
 - Mid-November measured ~120k parallel jobs sustained.
 - Multi-billion events MC RECO campaign to last for several weeks.
 - Issues experienced last week:
 - Permission problem in EOS: [GGUS:118027](#)
 - Some storage pools disappearing from the network: [GGUS:118082](#), [GGUS:118037](#)
 - CMS Tier-0 workflows driving some CERN Openstack hardware to its limits [GGUS:118056](#)
 - Staging problem at KIT: [GGUS:117910](#). Situation improving.
 - Ticketing campaign for DPM sites to move to DPM 1.8.10

Selected items from Operations (5)

<https://twiki.cern.ch/twiki/bin/view/LCG/WLCGOperationsMeetings>

- **LHCb:**
 - Mid-November observed failures at SARA (srm overloaded by a local user. ([GGUS:117413](#), [GGUS:117483](#)))
 - Also, issues with tape movers at RRCKI ([GGUS:117444](#), [GGUS:117267](#)), now solved.
 - Security vulnerability reported with LHCb setup script in CVMFS, sourced before every workflow.
 - Reported last week:
 - Currently processing pp reference run
 - Finished 13TeV pp data processing
 - Will be starting processing of heavy ion runs soon
 - Significant MC generation in-coming
 - Successful execution of MC simulation workflows on commercial clouds, on both DBCE (up to 600 simultaneous jobs running) and Azure (up to 1000 simultaneous jobs running, high rate of stalled jobs under investigation).

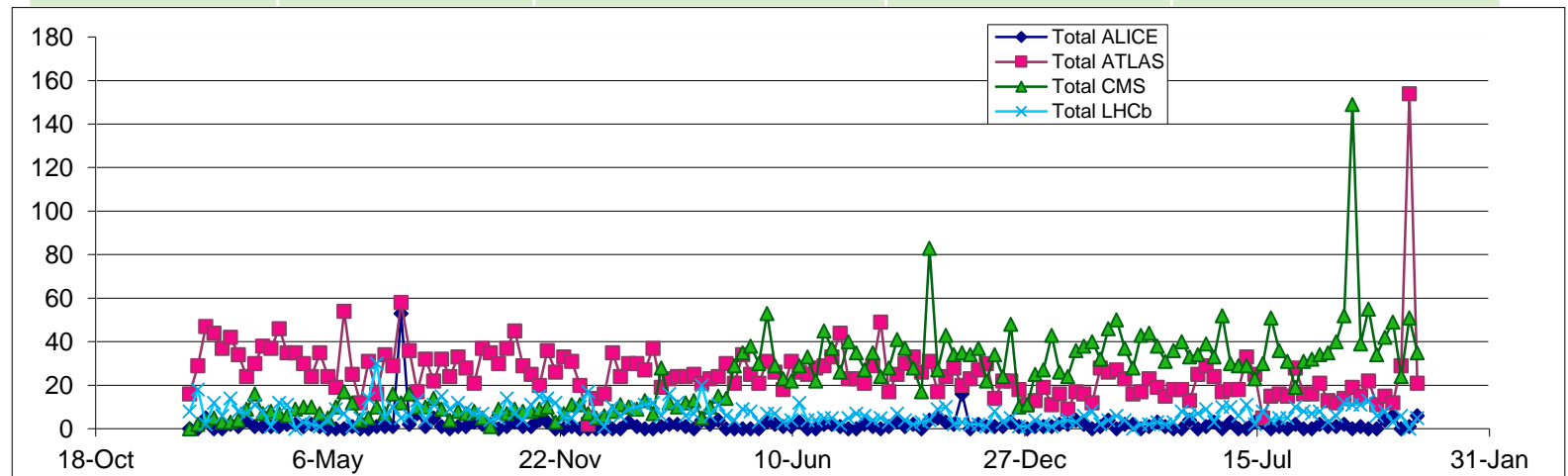
Service Incident Reports

<https://twiki.cern.ch/twiki/bin/view/LCG/WLCGServiceIncidents>

- CERN Batch services: Lost about 3000 worker nodes over the weekend and 20k associated jobs running on them. [Details](#).

GGUS summary (3 weeks 16/11/15 - 6/12/15)

VO	User	Team	Alarm	Total
ALICE	3	3	1	7
ATLAS	153	51	0	204
CMS	102	3	1	106
LHCb	3	8	0	11
Totals	261	65	2	328



Significant events

- No release
- Next release scheduled for 9th Dec
- 2 alarms for CERN:
 - ALICE Castor (6th Dec)
 - CMS EOS (29th Nov)
- ~140 ATLAS tickets created on 23rd Nov
 - One ticket per site, to request a storage consistency check