WLCG Service Report

5 weeks, Jan 16th – Feb 20th

WLCG Management Board, Feb 20th 2018

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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:
  - Mar 1st – Theme: Tape metrics in WLCG Storage Space Accounting prototype

Operations Coordination highlights (1)

- Theme: Site availability reports and SAM tests
  - Critical profile SAM tests and A/R reports are used by the majority of T1s and experiments
  - Outcomes of discussion on improvements will be presented today

- Middleware
  - UMD 4.6.0 provides CREAM and UI for CentOS/EL7
  - Meltdown and Spectre *kernel* updates need to be applied ASAP

Operations <u>Coordination</u> highlights (2)

- Accounting TF
  - Tape accounting information being integrated in the WLCG Storage Space accounting system

- IPv6 Validation and Deployment TF
  - IPv6 deployment in T2 sites is progressing

- Network Throughput WG
  - 190 instances were updated to perfSONAR 4.0.2

- A new Middleware Officer is being sought
  - We thank Andrea Manzi for fulfilling that role for more than 3.5 years!

Selected items from Operations   (1)

- Overall high activity across the experiments

- ATLAS
  - Successful transfers from CERN to CNAF tape
  - Issues with FTS server at RAL required switching instances
    - Alarm ticket because transfers to all UK, NL and ND sites were failing (GGUS:133265)
  - Slow transfers to BNL caused by dCache bug
  - Various other transfer issues at several sites

- CMS
  - Midweek Global Run 1 and 2 were successful
  - RE-RECO of 2017 data is progressing

Selected items from Operations   (2)

- ALICE
  - First successful jobs at CNAF late Jan

- LHCb
  - CERN: Alarm ticket because of EOS transfer issues (GGUS:133016)
  - CERN: Alarm ticket because of failing tape recalls (GGUS:133266)
  - RAL: Alarm ticket because of failing transfers (GGUS:133082)
  - LHCbDirac was not available for a week due to a failed DBoD update

Selected items from <u>Operations</u>   (3)

- **CNAF**
  - Recovery is progressing
  - Updates are being provided for the weekly ops meetings

- **NL-T1**
  - SARA IPv6 LHCONE issue was permanently fixed
    - A VPN labeling issue was the culprit
  - Unexpected downtime of NIKHEF compute and storage services due to iSCSI issues in virtualization platform

- **CERN**
  - Hosts in CERN data center were rebooted to apply Meltdown and Spectre fixes
  - EOS-CMS upgraded to Citrine release

Service Incident Reports

- No new reports

GGUS summary (5 weeks Jan 15 – Feb 18)

VO	User	Team	Alarm	Total
ALICE	3	4	0	7
ATLAS	12	120	1	133
CMS	193	1	0	194
LHCb	30	26	3	59
Totals	238	151	4	393