WLCG Operations Coordination Minutes, Dec 1, 2022

Main points

• ATLAS IAM incident
• EGI top level BDII deployment status
• Sites enquiry about LINUX OS plans and experience

Agenda

https://indico.cern.ch/event/1226247/

Attendance

• local: Maarten (ALICE + WLCG)
• remote: Alessandra D (Napoli), Andrea S (WLCG), Benjamin (EGI), David B (IN2P3-CC), David Cameron (ATLAS), David Cohen (IL T2 sites), Eric (IN2P3), Giuseppe (CMS), Hannah (CERN IAM), Henryk (LHCb + NCBJ), Julia (WLCG), Matt D (Lancaster), Michael (Freiburg), Panos (WLCG), Pepe (PIC), Petr (ATLAS), Stephan (CMS), Thomas (DESY), Xavier (KIT)

• apologies:

Operations News

The successful WLCG Workshop 2022 held at Lancaster University will be summarized in the Dec GDB.

• our next meeting is planned for Feb 2

Special topics

ATLAS IAM incident

see the SIR

Discussion

• Julia:
  ♦ LHCb noticed the problem the first and quite quickly:
    might the other experiments want to improve their monitoring?
• Maarten:
  ♦ ALICE could have noticed later that day, if the grid would
    clearly have started draining while tasks were waiting
  ♦ however, as there also are fluctuations in the numbers of running
    jobs at shared sites, it would have been after many hours
• David Cameron:
  ♦ also ATLAS normally do not check the fate of individual pilots,
    but rather the activity levels at sites
  ♦ as such an incident is quite rare, we should not overreact
• Stephan:
  ♦ as each CMS pilot can run for multiple days, there was no immediate effect visible on the activity levels
  ♦ furthermore, due to opportunistic use of HPC resources, activity levels can easily fluctuate by 80k cores per day

• Julia:
  ♦ we should at least ensure that future stress tests are announced and run against a test instance and/or at convenient times for the IAM experts to be able to provide support, i.e. at the start or in the middle of the week

EGI top level BDII deployment status

see the presentation

Discussion

• Maarten:
  ♦ reliability tests have been running every ~3 minutes since 6 Oct
    ◊ comparing the numbers of GLUE-1 and -2 records in lcg-bdii.egi.eu with those of lcg-bdii.cern.ch
  ♦ stress tests have been running every ~100 seconds since 16 Oct
    ◊ 10 concurrent ldapsearch commands dumping the whole GLUE-1 and -2 contents of lcg-bdii.egi.eu and counting the numbers of entries
  ♦ lcg-bdii.egi.eu almost always has *more* entries than lcg-bdii.cern.ch
    ◊ due to site BDII's at a number of sites not being reachable from CERN over IPv6
  ♦ conclusion: lcg-bdii.egi.eu looks ready to take over from lcg-bdii.cern.ch
    ◊ thanks to the robust setup put together by Benjamin!

• Julia:
  ♦ let's aim for making the switch in January
  ♦ we will send announcements to the parties concerned

Sites enquiry about LINUX OS plans and experience

We propose to launch a survey mid January asking sites to report:

• which OS flavors are being used for which service flavors;
• positive and/or negative experiences encountered per OS flavor;
• plans for OS flavor changes, if any.

Do you have comments or suggestions?

Middleware News

• Useful Links
  ◆ WLCGBaselineTable
• Baselines/News
**Tier 0 News**

**Tier 1 Feedback**

**Tier 2 Feedback**

**Experiments Reports**

**ALICE**

- Low activity at many sites for ~2.5 weeks, mainly due to lack of simulation jobs
  - Looking better again now
- We will continue switching as many sites to 8-core jobs as feasible
- **THANKS** to all sites and best wishes for 2023!

**ATLAS**

- 500-700k running slots, we got HLT farm and Vega EuroHPC back this week
- Some issues after a DB upgrade this week caused sites to drain overnight Tues-Wed
- Halloween IAM incident - see main topic
- SAM tests still using ARC GridFTP, when can sites turn it off?
  - *Maarten: will follow up with the ETF service manager*
- **Thanks** for a successful 2022 and best wishes for 2023!

**CMS**

- smooth running, few issues last month
- successful Tier-0 operations for 2022 data taking ended
- new record core usage for CMS of 531k cores
  - usual production/analysis split of 75% and 25%
  - large contribution from HPCs over 135k
  - main production activity still Run 2 ultra-legacy Monte Carlo
- copy of JINR tape data to other Tier-1 sites effectively complete
- waiting on python3 version/port of HammerCloud
- working with our DPM sites to migrate to other storage technology
  - limited by operations manpower/expertise
- token migration progressing steadily
- thanks for prompt IAM upgrade (two issues uncovered)
- we would be interested in 24x7 production IAM support soon
  - *Stephan: the support level over the EOY break needs to be clarified*
  - *Maarten: will follow up*

**LHCb**

- Low number of running jobs due to lack of production requests
- HLT Farm switched off
- First data in the bookkeeping
  - We are testing multi-core production jobs
- NCBJ is going to upgrade to Tier-1 shortly
- Beijing also willing to upgrade, discussions ongoing
Discussion

- Henryk:
  - the big matter for a Tier-1 is the tape system requirement

- Maarten:
  - that is no longer a requirement in practice
  - ALICE Tier-1 KISTI have replaced their tape system with custodial disk storage

- Henryk:
  - good to know

- Maarten:
  - would Beijing consider becoming a Tier-1 only for LHCb?

- Henryk:
  - I do not know
  - the main concern for LHCb currently is their network connectivity

Task Forces and Working Groups

GDPR and WLCG services

- Privacy notice for T1 sites
- Updated list of services

Deployment of the HEPscore benchmark

- HEPscore deployment scenario has been discussed at the WLCG WS in Lancaster. The agreed solution implies minimum changes in the accounting workflow since existing resources won't be re-benchmarked with HEPscore and HEPscore will be normalized to HS06. However, changes in APEL are required, since we will leave with coexistence of two benchmarks on our infrastructure for a while and certainly would like to keep track which benchmark has been used for a particular set of resources
- The switch to HEPscore benchmark as an official benchmark for WLCG is planned for the 1st of April 2023, this is the date when we switch the yearly pledges in the accounting reports

Accounting TF

- Necessary changes in APEL for the switch to HEPscore benchmark have been discussed and are being implemented

Information System Evolution TF

- NTR

IPv6 Validation and Deployment TF

Detailed status here.

Monitoring

- Requested OSG to deploy the CERN adapted components for further data validation
  - No news on this matter
- Discussion about the numbers mismatch for RAL
Network Throughput WG

WG for Transition to Tokens and Globus Retirement

- Further progress with the CE token support campaign on EGI
  - 96 of 132 tickets have already been solved

Discussion

- Stephan:
  - can we have a GGUS support unit for the CERN IAM services?
- Maarten:
  - we will look into that
- after the meeting:
  - we can ask GGUS to implement a new support unit, but one would not be able to open alarm tickets for it
  - it may be better to put the IAM services under CERN-PROD instead
  - that will require some discussion and followup in CERN-IT first

Action list

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Specific actions for experiments

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Specific actions for sites

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AOB

- **THANKS** for your help in making 2022 another successful year for WLCG!
- *Season's greetings and best wishes for 2023!*

-- JuliaAndreeva - 2022-11-29