

## GridPP Ops 9/7/24

**Attending:** Matt, Daniela, Gerard, Emanuele, Steven, Haruna, Tony, Darren, Alessandra, Alex R, Sam S, Mark S, Duncan, Vip, Rob C, Brijj, Bruno B, Linda C, Ian L, Thomas B, Wenlong

**Apologies:** Gordon, David C, Mike L

### Urgent Business

Those (hoping to be) going to CHEP would have received an email from Sam.

### Actions from previous meetings.

240625-01 (AF) Start a new hepscore page on confluence similar to:

<https://www.gridpp.ac.uk/wiki/HEPSPEC06>

## General Updates/Discussion

### EL7 EOL

Can we put this to bed?

### CVMFS sadness

Despite the RAL stratum 1 being set to immediately returns 503 error we're still seeing long, drawn out failovers at Lancs (~40 seconds to mount a cvmfs volume). Anyone else seeing similar?

-suggested to double check no hardcoded looking up of Stratum-1.

-Lists are sorted by geoip, but not populated.

-note similar at DESY, but no one else in the UK.

Apparently there was an issue at the egi.eu stratum 0 yesterday, where a particular file in the DIRAC repo didn't copy and therefore the release didn't update. I (Daniela) got a one line email from Jose this morning, saying it was fixed.

## VO Updates

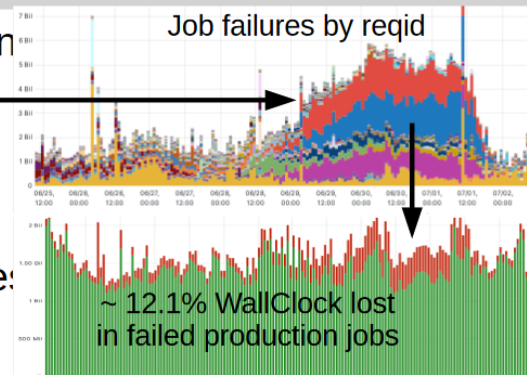
### ATLAS (Brijj/Jyoti):

### General news from ATLAS

- Bad workflows, spiked prod failures in the previous week, it has been aborted.

## Production & related topics

- Significant failure rate during weekend
  - BPHY23 with 21.2.177.0
    - [ATLASDPD-2119](#)
    - ~ 12.1% lost walltime
- ATLAS/US ATLAS cvmfs client issue:
  - details and links in [cvmfs#3615](#)



- Ongoing discussions to roll out more granular memory flavors for jobs
  - Currently we only divide in normal and high memory (2GB/core and >2GB/core)
  - We want to gradually add 1GB/core steps in the least intrusive way
- Occupied CPU slots(HS23) above pledge for all UK federations - <https://monit-grafana.cern.ch/d/lk2RpnYnk/job-accounting-uk-cloud?orgId=17#>
- Normal amount of [tickets](#) , nothing to highlight here

### CMS (Daniela):

Nothing to report.

Though this forgotten Glasgow ticket could do with an update, possibly along the lines of “is this still an issue ?” [https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=167368](https://ggus.eu/index.php?mode=ticket_info&ticket_id=167368)

-Sam will close.

### LHCb (Alexander):

General:

- DIRAC Downtime last Tuesday
  - LHCb drained as a result
- ETF tests
  - Global timeout introduced for cvmfs tests
    - To deal with Stratum-1 timeouts
      - DESY was affected, but not UK sites, as far as i can see

- Problems with GridFTP-based tests for ARC
  - All but Glasgow and Durham were switched to https
- Refresh token expired last Sunday
  - Refreshed on Monday afternoon
  - Sites with HTCondor-CEs may have got zero A&R for this period, feel free to request recalculation if that's the case

#### RAL T1:

- Problematic WN found
  - rebooted last week, killing all running jobs
- CVMFS Stratum-1 issues
  - Stratum-1 is removed from the config repositories
- Vector read optimisation (follow-up on the GGUS [ticket](#))
  - No updates, looking for a good stress-test

#### T2:

- Jobs can not [access](#) data via XrootD at Glasgow
  - Seems to be an xrootd bug affecting certain clients ( $\leq 5.4.x$  and  $\geq 5.1.x$ )
    - Every vector read with  $\geq 2$  chunks times out for some reason with 5.3.1 and 5.1.1
  - RAL seems to be affected as well
- Pilot submission [problem](#) at RALPP
  - There was a misconfiguration in LHCbDIRAC after the port switch
    - Fixed now
  - CEs still seem to be inaccessible from CERN via IPv6
- Pilot submission [problem](#) at Brunel
  - Cvmfs is inaccessible on some (all?) WNs
- [Failed](#) transfers from Lancaster
  - Seems to be a cvmfs issue (RAL Stratum-1 seems to be in the list)
- [Failed](#) transfers to Glasgow
  - Looks like only IN2P3->Glasgow channel is affected
  - No issues since the end of June
  - IN2P3 did some network tuning around that time, maybe that's what improved the situation
- Pilots are [failing](#) at ECDF
  - Still waiting for a switch to MC pilots
- Jobs are [failing](#) at Sheffield
  - No updates
- ETF tests are [failing](#) for Glasgow
  - Looks like a permission problem, but it is not(?)
    - Tests are trying to execute `PROPFIND` request on `/cephfs/lhcb` directory
- Token-based job submission is [being set up](#) for RALPP

- Solved
- Status of t2arc00.physics.ox.ac.uk at Oxford
  - Is it going to be fully decommissioned?
    - It is decommissioned

## DUNE (Wenlong):

Links: [glideInWMS configuration for the different sites](#)

[SAM tests](#)

[Monit link for history](#)

CRIC: <https://dune-cric.cern.ch/core/experimentsite/list/>

[Storage monitoring site](#)

[Job efficiency monitoring site](#)

[DUNE job status](#)

- Workflow (JustIN) tests url:  
<https://justin.dune.hep.ac.uk/dashboard/?method=awt-results>

OSG not updated the Oxford CE yet, so no DUNE jobs.  
-other sites are waiting for config changes (like RALPPD).

Other VOs:

Please find the token configuration info here:

[https://www.gridpp.ac.uk/wiki/Dirac\\_GridPP\\_DIRAC\\_Tokens](https://www.gridpp.ac.uk/wiki/Dirac_GridPP_DIRAC_Tokens)

## Meeting Updates

The IRIS Collaboration meeting last week:

<https://indico.ph.qmul.ac.uk/indico/conferenceDisplay.py?confId=2018>

GridPP52 - usual week in August, 28th-30th, at Ambleside.

Registration is open: <https://indico.cern.ch/event/1431542/>

Anyone on WP-D activity should expect to be asked to present on their WP-D activity in a session dedicated to that. This is any fraction of funding. People will be reminded.

FTS XRootD dev workshop hosted at RAL (Cosners) this year, 9th-13th of September.

<https://indico.cern.ch/event/1386888/registrations/103332/>

No need to actually pay if you're GridPP (or any STFC project) funded (as it will be done behind the scenes).

CHEP Travel?

-See Sam's comment at the start of the meeting.

HEPSYSMAN at Oxford on Thursday 18th of July: <https://indico.cern.ch/event/1433526/>

-in person attendance is recommended for maximum engagement.

There was an EGI Operations meeting yesterday:

<https://confluence.egi.eu/display/EGIBG/2024-07-08+notes>

The UMD5 repos for EL9 will apparently be available by the end of the month...

There's a GDB tomorrow: <https://indico.cern.ch/event/1356136/>

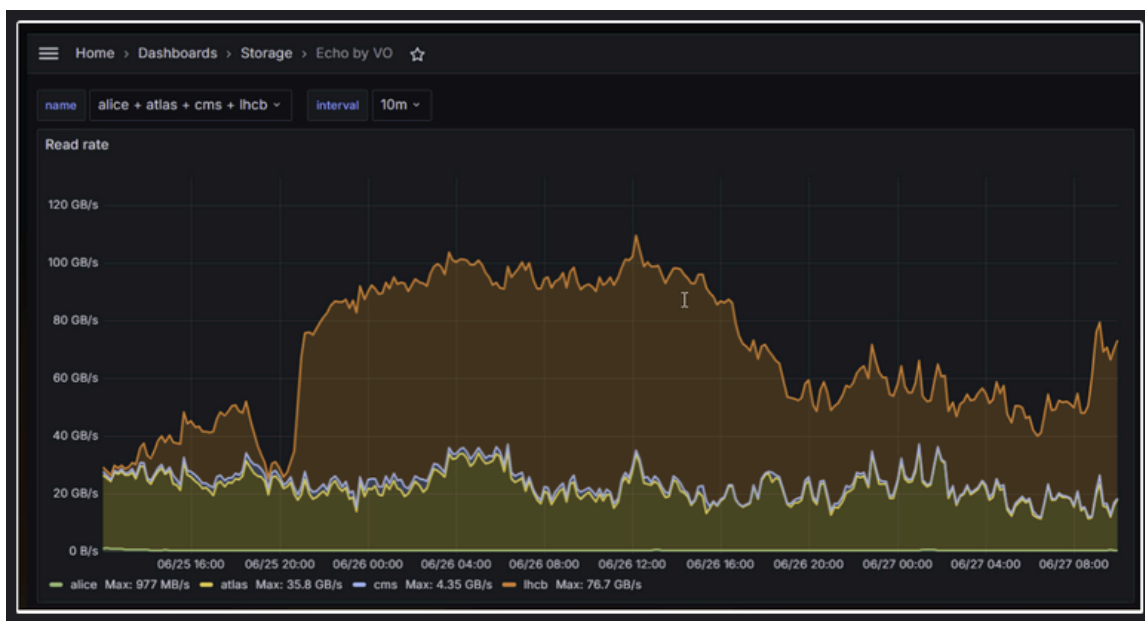
## Tier 1 Status

**CVMFS:** After a week or so of intermittent running, the CVMFS service is back in production with the following caveats:

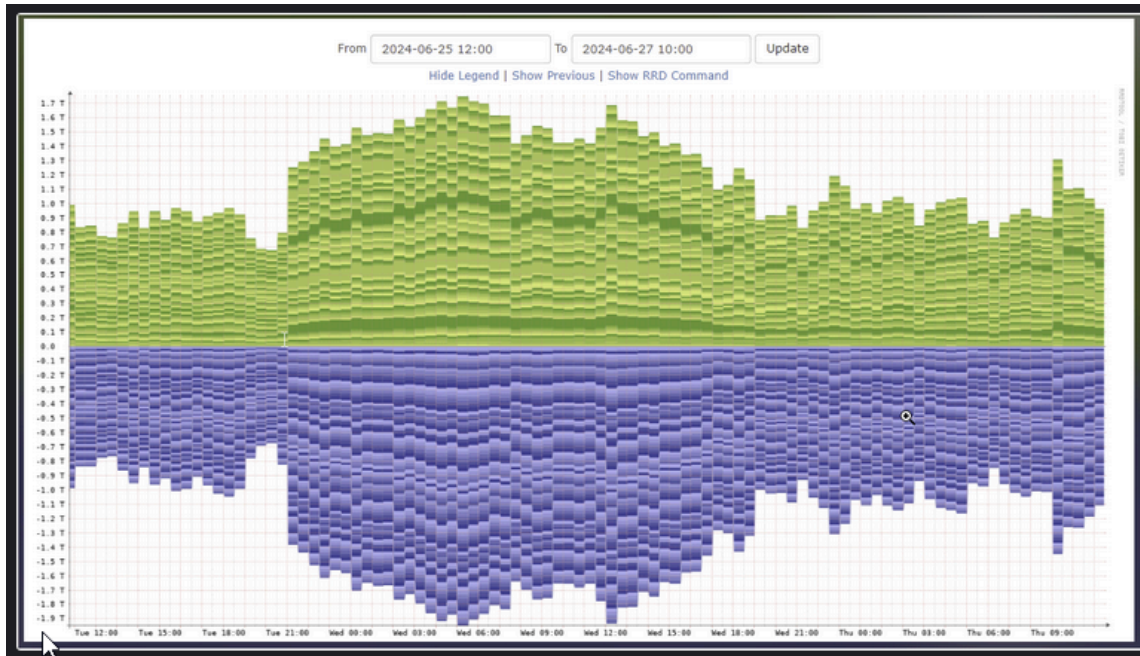
- Stratum-0 is up and in production
- Stratum-1 is in an extended [downtime](#). Due to unresolvable performance problems with this service, it is being completely rearchitected.

**ECHO:** Although this happened the week of the 1/7/24 the Data Services noted the following

“Echo spent a lot of last Wednesday doing ~100GB/s of read traffic, split mainly between LHCb and ATLAS. Really cool to see.”



The Tier-1 spine aggregate network throughput plot also seemed to agree with 1.7Tbps in



## Security Brief

Advisories: <https://advisories.egi.eu>

- Operational update [standing item]

Interesting data point on alma patch security updates from Mark.

## AAI

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

In particular, if you would like to join the discussion the egroup is “wlcg-resource-trust-evolution”

Auth Working Group Twiki: <https://twiki.cern.ch/twiki/bin/view/LCG/WLCGAuthorizationWG>

Indico Category: <https://indico.cern.ch/category/68/>

Mailing list egroup: project-lcg-authz

NTR

## Networking News (Duncan)

[UK Mesh](#)

[Check\\_MK monitoring](#)

[Dune Mesh](#)

[perfSONAR certificate status](#)

[perfSONAR issues](#) (the newer doc)

See Rob F's mail to TB-SUPPORT.

Testpoint could be an option?

Glasgow edited the html of the webpage, but needed re-editing after every update.

Will reply to Rob with some options.

## Storage and Data Management News

**Minutes:** [GridPP Storage](#)

Reminder: Storage Meeting is now @ 1030 [not 10am] to make it slightly easier for everyone to attend.

<https://uofglasgow.zoom.us/j/94094366747>

Lots of interesting thing to talk about tomorrow.

XRootD 5.7.0 is out, but was slow to get to all the epel repos.

Some discussion of using the xrootd repos.

## IPv6 Everywhere

A call for v6 on all services is [here](#):

For our records: [Terry's v4/v6 translation work](#)

Twiki for WN IPv6 status - <https://twiki.cern.ch/twiki/bin/view/LCG/Wlclpv6#IPv6Comp>

Lancaster is NAT66'd - it seems to not be totally terrible.

Not much engagement with this section, I have the impression that everyone who can deploy v6 on their nodes without moving heaven and earth has done.

## Jumbo Frames/LHCONE/BGP Communities.

-Jumbo frame uptake could be rolled into the networking section.

## Technical Update

Standing subjects:

-Documentation cleanup

Reminder to forward any articles to Darren as per his email from a while back.

-RHEL8/9 clone experiences:

Rob C is working on a wiki page listing rhel9 tweaks - very useful:

[https://www.gridpp.ac.uk/wiki/RHEL9\\_systems](https://www.gridpp.ac.uk/wiki/RHEL9_systems)

Also see Rob's work on ARC:

[https://www.gridpp.ac.uk/wiki/ARC6\\_EL9](https://www.gridpp.ac.uk/wiki/ARC6_EL9)

– I think we can drop this specific subsection.

-HEPSCORE

[https://www.gridpp.ac.uk/wiki/HEPSCORE\\_Site\\_Status](https://www.gridpp.ac.uk/wiki/HEPSCORE_Site_Status)

– which site transitioned to hepscore? Please update the wiki.

– do we want to keep on updating the [old page](#) with hepscore? It might be interesting to maintain the history.

Would be good to track these numbers in the future, perhaps in a new page? Will start a new table in the jira.

## Tickets/ROD

[UK GGUS tickets](#)

59 Open UK Tickets this week.

To group by campaign:

3 HTCondor version tickets

3 XRootD Monitoring tickets

3 DIRAC token tickets

8 v6 on WNs tickets

9 new VOMS tickets

## News

Some more discussion on the vagaries of CHEP registration and payment.

## AOB/Feedback for/from the PMB

PMB moved to fortnightly meetings (there was one yesterday, next one in a fortnight).



## **Actions/Decisions from This Meeting**

No hard actions.

## **Chat Window:**

None.