

# GridPP Ops 29/11/22

**Attending:** Matt, Gerard H, Vip, Steven S, Mike L, Alex R, Daniela B, Dwayne, Jose, Luke K, Raul L, Rob F, Thomas B, Sam S, Jyoti, Dan T, Dan W, James W, Darren M, Winnie L, Linda, Wenlong, Emanuele, Brian D, Tom D, Tim C, Ian L

**Apologies:** Gordon, DavidC

Urgent Business

None

## Actions from previous meetings.

None

## VO Updates

### ATLAS (James):

RAL:

- Previous ticket on failing T0 export (direct transfers from Cern to Antares).
  - Efficiency improved / ticket resolved, but not complete understanding of the underlying issue during that period
  - Brian updates with the likely culprit being a bad FTS upgrade at CERN

T2:

- Durham - currently in test (transfer timeouts ?)
- MAN: Issues related to WebDav transfers now resolved
- OX: Jobs running again after power failure in DC
- QMUL: back to running with 'lots' (~180k HS06) compute

### CMS (Daniela):

The RALPP AREX+proxy issue has been resolved, now onto tokens:

[https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=158175](https://ggus.eu/index.php?mode=ticket_info&ticket_id=158175)

(incidentally this also fixed the AREX issues we saw via DIRAC)

Similarly the T1: [https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=158161](https://ggus.eu/index.php?mode=ticket_info&ticket_id=158161)

Brunels token ticket could also do with an update:

[https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=158250](https://ggus.eu/index.php?mode=ticket_info&ticket_id=158250)

As a reminder the RALPP ticket contains a description of Glasgow's ARC setup to make tokens work.

Glasgow has a squid ticket that might be of wider interest:

[https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=159485](https://ggus.eu/index.php?mode=ticket_info&ticket_id=159485)

(thought is has to be said that the person issuing in those tickets tends to be rather assertive about their statements, whether relevant or not)

[monit link](#)

**LHCb:** (Mark/Alexander):

All:

- Still the number of running jobs is small due to insufficient production requests

T1:

- Long Lasting issues
  - [Slow stats](#)
    - Not stats are slow, checksum requests are
  - [Deletion problems](#)
    - Long deletion (the one that took more than 20s) was reproduced, and 20s seems to be a timeout.
  - [Vector read](#)
    - A patch that reduces maximum number of chunks in a single ready will be tested

T2:

- [Failed pilots at Brunel](#)
  - Faulty WN, Fixed
- [Failed FTS transfers to Manchester](#)
  - Dead httpd, fixed
- [Migration to ceph](#) is ongoing at University of Glasgow

Tier-2D space requirements (raised in the previous meeting):

- 300 TB is still a minimum requirement

“Other” VOs:

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 tests:

<https://wfs.dune.hep.ac.uk/dashboard/?method=wtf-results>

NTR

SKA:

Some conversations going on re xroot storage.

LSST/Rubin:

NTR

Other VOs:

NTR

## **General Updates/Discussion**

NTR

## **Meeting Updates**

JISC Research network engineering community meeting on the 9th of December:

<https://beta.jisc.ac.uk/events/research-network-engineering-community-meeting>

Reminder: CHEP 2023: <https://www.jlab.org/conference/CHEP2023>

Note from Sam: can everyone planning on (or already) submitting an abstract to CHEP please let me know. (We'd like numbers so we can look at the travel budget etc)

There's a lot of abstracts submitted already before the first deadline. I assume that more people will be submitting abstracts for the second one - please still let me know.

Computing Insight UK 2022 in Manchester this week:  
<https://www.scd.stfc.ac.uk/Pages/CIUK2022.aspx>  
(Dan T is attending.)

Technical Meeting on Token Transition last Friday:  
<https://indico.cern.ch/event/1205818/>

## Tier 1 Status

The batch farm has been draining a bit this week with LHCb having no jobs (this apparently being the same for all Tier-1's not just RAL) and ATLAS not having any multi-core jobs.

The fallout for RAL is that ALICE have taken over the farm.

The CERN FTS bug, although now fixed, caused a few grumbles with the Storage Team throughout the week, however at time of writing the issues appear to be resolved.

The storage team has performed various power management tests in preparation for possible upcoming requests to reduce power consumption.

Echo Downtime will now be 8th December rather than 6th (to avoid IN2P3 DT)

Antares will be in a downtime on the 1st December, AM.

## Tier-1 Network upgrade (latest update on top)

29/11/22 - Tom B has test firewalls for WNs, one step closer to them being on LHCONE

22/11/22 - hopefully some updates this week. Central core hardware routers \*have\* been replaced.

13-09-22 - Tom B notes a problem with host firewalls on LHCONE nodes.

09-09-22 - IPv6 Traffic now enabled on the super spine.

02-08-22 - intention to make 2022 WNs (rocky 8 gen) hope to put these on lhcone.

17-05-22 Technically joined the LHCONE but at the moment it has only one host (the new perfSonar box). Currently we have resource checking and conforming routing between endpoints and IPV6 allocations.

05-04-2022 Resolution of new storage node access and central security work delayed LHCONE activity. Being re-timetabled.

## Security Brief

New home for advisories: <https://advisories.egi.eu>

- Operational update [standing item]
- Pakiti status - should be working
- Site Security Survey
  - (good place to note things like Carbon Black@Bristol)

<https://www.jisc.ac.uk/get-involved/cyber-security-community-group>

## 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

Note - AuthZ meetings moved to fortnightly Friday's 14-15:00 UK.

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## Networking News

[UK Mesh](#)

[Check\\_MK monitoring](#)

[https://www.gridpp.ac.uk/wiki/Perfsonar\\_refresh](https://www.gridpp.ac.uk/wiki/Perfsonar_refresh)

[Dune Mesh](#)

perfSONAR certificate status: [https://www.gridpp.ac.uk/wiki/Perfsonar\\_Cert\\_Status](https://www.gridpp.ac.uk/wiki/Perfsonar_Cert_Status)

Kept from last week:

"

Jisc-London OK

Jisc-Slough OK

RAL-LCG2 - <t1-ps01-bw.gridpp.rl.ac.uk> is down (or not responding) - due to ARP issues

UKI-LT2-IC-HEP 404 Not Found (ic.ac.uk) [this is because the server does not have a web interface enabled - but does have a cert!]

UKI-LT2-QMUL perfSONAR Toolkit | perfsonar-latency.esc.qmul.ac.uk Not secure

UKI-LT2-RHUL OK

UKI-LT2-UCL-HEP NET::ERR\_CERT\_AUTHORITY\_INVALID (cert expired Sep 11, 2020)

UKI-Northgrid-Lancs-HEP NET::ERR\_CERT\_AUTHORITY\_INVALID (certificate expired 329 days ago)

UKI-Northgrid-Liv-HEP OK

UKI-Northgrid-shef-HEP OK

UKI-scotgrid-Dur-hep OK

UKI-scotgrid-ecdf expired 62 days ago

Glasgow - OK

BHAM - Not trusted

Brisol - Not trusted

Oxford - OK

RALPP - doesn't respond (blocked by firewall?)

Sussex - This server couldn't prove that it's grid-perfsonar.hpc.susx.ac.uk; its security certificate is from \*.hpc.sussex.ac.uk.

There's thus a mix of problems across lots of sites: Some certificates have expired. Some aren't trusted (self signed, or signed by the grid CA).

Sussex, the domain is incorrect - presumably the university has changed from susx to sussex - I guess someone ought to update the perfsonar grid (at which point we'll note the certificate has expired)."

"

-Lancaster updated their cert (to an escience one) last week.

Sam notes that UCL won't get this message.

## 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.

Tomorrow's meeting will follow the thread of DPM transition.

5.5.2 not out yet. Luke notes that experimental release is a bit weird, but hopefully this will be sorted come the full release.

## Technical Update

(to include any Token News, Data Challenge work, "New" OS experiences)

Standing subjects:

-ESCAPE credentials and use of tokens

- "Carbon Black" @ Bristol and similar technologies elsewhere

- ARGUS concerns.

We put in a request for a Tech Meeting on this. David C approved.

## Duty Report

Not much exciting - some mess from tests that don't work properly (QMUL's readonly xroot, RAL failing the webdav tests), and a bit of tidying to do once Glasgow send their DPM to the server room in the sky this week.

## Tickets

[UK GGUS tickets](#)

43 Open Tickets this week.

This Bristol webdav ticket looks like it was missed (although we know the underlaying issues are being wrestled with): [https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=159535](https://ggus.eu/index.php?mode=ticket_info&ticket_id=159535)

Is there are plan for this Tier 1 atlassian test ticket?

[https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=159506](https://ggus.eu/index.php?mode=ticket_info&ticket_id=159506)

Liverpool's perfsonar ticket has a question from Rob on the last proper update:

[https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=159261](https://ggus.eu/index.php?mode=ticket_info&ticket_id=159261)

Sorry we didn't spot it sooner. Lancs sees the same space usage, although our /var might be a bit bigger.

## Site News

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## AOB/Feedback for/from the PMB

Some discussion on power usage/ possible power outages.

Tier 1 is looking at power usage - first step will be shutting down older hardware. Dan T notes that OS controlled CPU governor has been enabled on all his compute.

## Actions/Decisions from This Meeting

## **Chat Window:**

11:48:00 From Daniel Traynor To Everyone:

I've enabled os controled cpu governer on all my compute

11:51:51 From Daniel Traynor To Everyone:

on dell

11:51:53 From Daniel Traynor To Everyone:

omconfig chassis biossetup attribute=SysProfile setting=PerfPerWattOptimizedOs

11:53:00 From Darren Moore - STFC UKRI To Everyone:

I recommend this YouTube video on when the lights go out. It explains how things will go dark and the relevant gov documentation(Electricity Supply Emergency Code) -

<https://www.youtube.com/watch?v=biDga4JOPjY&t=210s>