

GridPP Ops 4/4/23

Attending: Matt, Gerard H, Duncan, Dan W, Linda, Luke K, Vip, Emanuele, Alex R, Pete C, Rob Fay, Steven S, Robert Frank, Jyoti, Darren M, Daniela, Gordon, Dan T, Wenlong, Brian, Tim Chown, Dwayne

Apologies: James, Mike L

Urgent Business

None

Actions from previous meetings.

280223-01 All Sites. For publishing hepscore one person per site (the one running the benchmarking) to email Alessandra with the below information:

- Sitename
- Output of `openssl x509 -noout -in user.crt.pem -subject -nameopt RFC2253` for your personal cert.
- (maybe?) Subnet or IP you will be publishing from.

If you have already sent this information to the hepscore group it would still be good to keep us in the loop.

Tracked here: https://www.gridpp.ac.uk/wiki/HEPSCORE_Site_Status

Names sent so far only just added, Dimitrios from QMUL tested and it worked.

AF notes that any other publishings (for example xroot) would need another DN sent in...

This could be a problem with storage (as will need to publish regularly), but can use host certificate.

Emanuele notes a lot of hassle using his passphrase with recent tests.

AF notes if we could use a proxy that would make life easier, will look into it.

Dan asks if there's a link to look at this data, Emanuele is digging it up.

[Here](#) (needs cern account).

VO Updates

ATLAS (James):

- Generally quiet
 - New pledge period started for 23/24

- RAL
 - NTR
- T2
 - Couple of GGUS tickets for Glasgow (Need to check if deletion errors on a limited set of files).

CMS (Daniela):

One overlooked ticket for Brunel: https://ggus.eu/index.php?mode=ticket_info&ticket_id=161388 (new directories for rucio)

No progress in deploying EL9 workernode for CMS:
https://ggus.eu/?mode=ticket_info&ticket_id=160975 (waiting for CMS)

From the T2 support list:

Happy new WLCG resource year! Inquiries have been sent to all sites about the availability of their 2023 pledges. You can update your site's resources for CMS at

<https://cmsst.web.cern.ch/cgi-bin/set/SiteCapacity>, and among other things Rucio will update RSE values automatically from there.

There's going to be a change of the SAM SE-XRootD probe to include the federation check that is currently done in the WN-xrootd-access probe but doesn't belong there conceptually. It will be made mandatory later this week or next week.

One ongoing project for the year is enabling IAM-issued token access on site WebDAV endpoints. A few sites are now fully ready on this, many more to come.

[monit link](#)

LHCb: (Mark/Alexander):

RAL T1:

- [Problems](#) with fts transfers from PIC to RAL
 - Reappeared last week, due to routing issues at PIC
 - Solved
- Long-lasting issues
 - [Slow](#) "stat" calls
 - tests are ongoing

- [Vector read](#)
 - Patch tests for other VOs are ongoing, waiting for CMS jobs
 - Code [review](#) is in progress, feel free to comment!

T2:

- CVMFS [issue](#) on one of the WNs at RALPP
 - Node is removed out of production
- Pilot submission [problem](#) at Brunel
- Liverpool [apptainer ticket](#)
 - Should be closed by the site
- Final steps of the migration to ceph are ongoing at Glasgow

Pete mentions the apptainer environment variable problems. Alex is investigating.

“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](#)

- A new workflow (JustIN) tests url:
<https://justin.dune.hep.ac.uk/dashboard/?method=awt-results>
- Liverpool: Auth failure on new CE hepgrid6.ph.liv.ac.uk need to get Liverpool contacts.
OSG ticket <https://support.opensciencegrid.org/support/tickets/72492>
 - Rob has pointed DUNE to the proper CE, as this one is old.
- Durham: Factory addition in progress:
https://support.opensciencegrid.org/support/tickets/public/09c832812acfca85656562fb832c_b5fd1522af7279b24dda09e21d727d79c3e5
- Sheffield: no jobs running since Feb 21, GGUS ticket
https://ggus.eu/index.php?mode=ticket_info&ticket_id=161022&come_from=submit no jobs running since Feb 21.
- Imperial: Ticket in progress with OSG to change
ceprod03.grid.hep.ph.ic.ac.uk to be rhel8 site.

<https://support.opensciencegrid.org/support/tickets/public/9a1fc1eccd8505c4c29c71d8f23a85b7179cd0c621ae359d36924a9a0fde5051>

SKA:

NTR

Rubin:

Rubin still using the RAL FTS, some problems as transfers were going in too small a batches.

Other VOs:

NTR

General Updates/Discussion

Perfsonar 5.0 is on the way (17th). If autoupdate is enabled sites shouldn't need to do anything, data is stored centrally.

But noted that this is a good time to update the OS. Tim points out that the range of supported OSES will increase as the summer comes along. 5.1 will come with grafana based tools for visualisation.

Duncan forwarded info to TB-SUPPORT. Maybe we will give some advice as to which OS sites should target, although in general EL9 might be the best for us all to target.

Meeting Updates

GridPP49 last week: <https://indico.cern.ch/event/1215829/>

Any actions grow from the event?

Sam notes it would be good if anyone has any thoughts if they instead attended the SWIFT-HEP session.

Dwayne notes the focus in providing improvements in software (with much larger potential gains than hardware), e.g. CMS alpaca. Turning on and off physics there could have x40(!) improvements in certain cases. But Validation is expensive, so will not be a universal fix.

Dune (and other VOs with less pile-up) could move to some shared software, which would have large benefits from resource sharing.

Luke makes the point that small VOs especially might simply not be aware of what is out there. That's something we could help with whilst onboarding user groups.

There's especially a lot of gains to be made as different groups try to leverage GPUs, lots of space to build a common foundation.

Similarly did anyone note anything to watch from HEPiX/ISGC:

<https://indico4.twgrid.org/event/25/>

There was also the XRootD/FTS workshop: <https://indico.cern.ch/event/875381/>

WLCG Ops Coordination this Thursday:

<https://twiki.cern.ch/twiki/bin/view/LCG/WLCGOpsMinutes230406>

The next Research Network Engineering community call is taking place at 14:00 BST on Friday 14 April 2023. The topic will be the use of jumbo frames on research and education networks.

<https://www.jisc.ac.uk/get-involved/research-network-engineering-community-group>

Return of HEPSYSMAN in June: <https://indico.cern.ch/event/1272552/>

Tier 1 Status

[Antares hosts will be rebooted on Wednesday 5th April.](#) This is to apply patching and to remove Icinga warnings that hosts have not been rebooted in a while.

Tier-1 Network upgrade (latest update on top)

29/3/23 The 2020 and 2021 generation WN's successfully moved on to LHCONE last week.

20/3/23 The WN's on the new Tier-1 network will be drained this week to allow them to be migrated on to the LHCONE

14/03/23 On the 20/03/23 we will begin reducing the capacity of the batch farm to allow migration of nodes to LHCONE (on the 23/03/23)

28/02/23 Progress on deploying new WNs to LHCONE. New 2nd 100GE LHCOPN link installed (needs to be fully configured)

17/01/23 - We are getting close to running the Change Control for the firewall changes (scheduled for this week – 19/01/23). Currently jobs are running on new firewall config with this config being rolled out to 10ff WN's this week with further roll-out next week.

Tom B notes that there is good progress in this. The “tip toeing” phase is over, and moving forward with confidence now.

Security Brief

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

- Operational update [standing item]
- Comms Challenge
- Site Security Challenges
 - How are people feeling about that?
- Site Security Survey

Some discussion of the SSC. Sites looking forward to the post-match breakdown.

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.

NTR

Networking News

[UK Mesh](#)

[Check_MK monitoring](#)

[Perfsonar refresh - GridPP Wiki](#)

[Dune Mesh](#)

[perfSONAR certificate status](#)

[perfSONAR issues](#)

Birmingham perfsonar now IPv6-enabled, but lacking reverse DNS lookup.

No results seen at Liverpool, Durham and ECDF.

Liverpool: https://ggus.eu/index.php?mode=ticket_info&ticket_id=161430

After working briefly Imperial is again not initiating Latency tests.

Liverpool has their network upgrade last week, some growing pains but once their over hopefully v6 will be enabled.

Performance issues

UCL < 1 Gb/s over IPv4

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.

(Some thoughts on the upcoming Xrootd releases - Xrootd 6 “coming in Q4 2023”

Also some intent to look at how to improve documentation expressed at the Xrootd / FTS dev meeting last week)

Technical Update

Standing subjects:

-RHEL8/9 clone experiences

-HEPSCORE

https://www.gridpp.ac.uk/wiki/HEPSCORE_Site_Status

Alessandra has asked for the DN of one person from each site, in the format of the output of
`openssl x509 -noout -in user.crt.pem -subject -nameopt RFC2253`
(see action).

-XRootD Shoveller Adoption

Duty Report

A xroot-readonly endpoint type has been created:

https://ggus.eu/index.php?mode=ticket_info&ticket_id=160743

Any sites (just QMUL?) who only have a readonly endpoint have been asked to switch in the gocdb.

Tickets

[UK GGUS tickets](#)

43 Open tickets this week. Some needed wrangling as they had no “notified site”. Many mentioned earlier.

We have these two monitoring “change goddb flavour” tickets for Brunel and Glasgow:

https://ggus.eu/index.php?mode=ticket_info&ticket_id=160509

https://ggus.eu/index.php?mode=ticket_info&ticket_id=160516

There are a few other tickets that might be stuck for Easter.

News

NTR

AOB/Feedback for/from the PMB

Cancel next week’s meeting due to the Easter Bank Holiday?

-It has been decided to cancel.

Actions/Decisions from This Meeting

Have a good Easter weekend!

Chat Window:

11:22:12 From Daniel Traynor To Everyone:

personae - will need to update the OS at some point

11:22:57 From Daniel Traynor To Everyone:

perfsonar

11:49:08 From Daniel Whitehouse (IC) To Everyone:

Yeah we did at IC

11:58:16 From Brian Davies - STFC UKRI To Everyone:

<https://indico.cern.ch/event/875381/timetable/#20230327.detailed>

11:59:10 From Luke Kreczko To Everyone:

5.1 and 5.2 have been worse than 5.0 ;)