

## GridPP Ops 22/06/21

**Attending:** Matt, Vip Davda, Jose, Mike Leech, Gordon, SamS, Gerard Hand, Mark S, Linda Cornwall, JamesW, Emanuele, RobertF, Darren, Duncan, WinnieL, DavidC

**Apologies:** Raul (attending TNC'21 <https://tnc21.geant.org/>. Very promising talks on containers and networks)

### Action from previous meetings.

**20210323-01** - All. Update the self-signed, self-generated certificates on our perfonars to something better ([https://www.gridpp.ac.uk/wiki/Https\\_with\\_PerfSonar\\_4.3.4](https://www.gridpp.ac.uk/wiki/Https_with_PerfSonar_4.3.4)).

[Ongoing as we can't just go get LetsEncrypt certs due to requirements on getting identity certs from a suitable CA]

Optimal options are JISC certificates - but these could have a cost. CA certs are a viable alternative.

Wiki table to track progress:

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

David notes the new IGTF working group being spun up.

Set a review for next week.

**20210511-01** Matt & Sam, Collect Tier 2 Data for 2021 NFL. Matt made a wiki page to collect this data on, but only circulated it on the 17th:

[https://www.gridpp.ac.uk/wiki/Tier2\\_NFL2021](https://www.gridpp.ac.uk/wiki/Tier2_NFL2021)

Data from all sites collected - Thanks everyone! A question for Pete C - was enough information collected?

Will have some time for this in a later meeting. Will keep this open for another week or two.

Matt will poke Pete C offline.

**20210608-01** All ARC sites. Update to ARC 6.12. Tickets have been sent out to some sites. Anyone have any showstoppers? It was mentioned in today's EGI Ops meeting that the old message brokers will be switched off at the start of July no matter what - but short publishing delays are considered acceptable.

[http://www.nordugrid.org/arc/releases/6.12/release\\_notes\\_6.12.html](http://www.nordugrid.org/arc/releases/6.12/release_notes_6.12.html)

No problems from sites who've upgraded. service restarts required.

Review next week.

**20210608-02** Matt, others. 2021 GOCDB information review.  
[https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=152310](https://ggus.eu/index.php?mode=ticket_info&ticket_id=152310)  
Some questions about ngi-operations list.

## VO Updates

### CMS (Daniela):

Nothing to report. All sites green in the monitoring.

[https://monit-grafana.cern.ch/d/m7XtZsEZk4/wlwg-sitemon-historical-tests?orgId=20&var-vo=cms&var-dst\\_tier=2&var-dst\\_country=UK&var-dst\\_federation=All&var-dst\\_experiment\\_site=All&var-service\\_flavour=All&var-dst\\_hostname=All&var-metric=All&var-status=All](https://monit-grafana.cern.ch/d/m7XtZsEZk4/wlwg-sitemon-historical-tests?orgId=20&var-vo=cms&var-dst_tier=2&var-dst_country=UK&var-dst_federation=All&var-dst_experiment_site=All&var-service_flavour=All&var-dst_hostname=All&var-metric=All&var-status=All)

Brunel: problem with disk server gave me a ticket and some production failures. Hopefully corrected (Raul)

### ATLAS (James):

- Sussex; singularity (with user namespaces) now on all nodes; monitoring for any residual disk occupancy issues
- Glasgow: re-worked configuration in CRIC appears to have sorted Internal / External routing issue; does appear to show some underlying issue in external gridFTP traffic.
- Oxford: appears to be running well through the new Xcache server

### LHCb (Raja):

RAL - Tier-1 : Known issues of checksum, streaming, occasional file write errors

QMUL : [https://ggus.eu/?mode=ticket\\_info&ticket\\_id=152662](https://ggus.eu/?mode=ticket_info&ticket_id=152662)

- More related to storage meeting?
- Still trying to understand (could be DIRAC related)

Post report update :

- Many thanks to Mark for fixing Vac issues and becoming the expert on vacuum.

### “Other” VOs:

DUNE (Raja) :

glideInWMS configuration for the different sites :

<http://gfactory-2.opensciencegrid.org/factory/monitor/factoryEntryStatusNow.html>

SAM tests :

[https://etf-dune-preprod.cern.ch/etf/check\\_mk/](https://etf-dune-preprod.cern.ch/etf/check_mk/)

--- Now also testing for the stash cache

--- following up with the sites

--- [Monit link for history](#) : Shows historical timeline of tests now

--- CRIC information ready. Using it for ETF tests now.

DUNE site naming agreed: UK-Sitename format.

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

Wenlong is the DUNE UK data manager

NTR

SKA:

NTR

LIGO:

NTR

Other "New" VO status:

NTR

## General Updates/Discussion

Heads up on call for talks/registration for GridPP46. (Indico page not up yet, but we want to give warning). Theme will be something around "Preparing for Run3".

## Meeting Updates

Atlas Computing Week last week: <https://indico.cern.ch/event/975459/>

JW - Run3 prep going full steam - MC3 simulation runs.

End of July/Beginning August Run2 reprocessing.

EVGen production for Run3 starts in Autumn.

Busy calendar ahead!

Interesting talk on using HC for testing.

A lot of DB work going on (Oracle licensing changes).

Conditions data caching.

AF notes from her TPC talks, RAL and Glasgow last in the UK.

Mentions the xrootd dev meeting on Tuesdays. AF would like to listen in.

EGI OMB meeting too, but other than the security round up it was very cloud-centric:

<https://indico.egi.eu/event/5625/>

Technical Meeting last Friday on Purchasing in the current global situation:

<https://indico.cern.ch/event/1049859/>

Upcoming Tech Meeting this Friday on our future OS choices:

<https://indico.cern.ch/event/1049860/>

Suggest we kick off with a look at the latest official update talk, then some words from volunteers who've had experiences with the new alternatives (Alma, Stream, paid for RHEL, ubuntu), or who have strong opinions.

Wrap up with a round table.

Might have Terry and his strong opinions

Rob C on Alma

Matt on current Lancaster situation.

Mike L on his Rocky Linux experience

This is an early days strategy meeting.

Chris B notes some problems with kmod, so having to fall back to dkms.

## **Tier 1 Status**

Roll-out of XRD5 to WN's has been delayed (with exception of original 20%) to allow further investigation into the low I/O rates.

Additionally as part of this we are setting up WN gateway to run memory proxy (similar to the external gateways) to attempt to improve download performance.

## **Tier-1 Network upgrade**

Progress on implementing new Antares and RALTier1 networks to central core.

Final (hopefully) connection work for new Tier1 CTA Router 12/05/21

Progress ( but not complete\_ configuration of new perfSONAR hosts).

Joining the LHCONE is part of the larger Tier-1 Network upgrade that we are doing. The upgrade plan was presented at the technical meeting on January 29th[1] and it remains on schedule. The next update is scheduled at the LHCOPN-LHCONE meeting on the 23rd March[2]. Access to the machine room is expected to be allowed this week. The cabling for the

Tier-1 network is expected to be completed between the 16th and 19th March. The CTA network is currently being configured.

[1]<https://indico.cern.ch/event/996031/contributions/4185620/attachments/2180652/3683446/Tier1Network20210129.pdf>

[2] <https://indico.cern.ch/event/983436/>

## Security Brief

- Operational update [standing item]

## Networking News

UK Mesh:

<https://psmad.opensciencegrid.org/maddash-webui/index.cgi?dashboard=UK%20Mesh%20Config>

Check\_MK monitoring:

[https://psetf.opensciencegrid.org/etf/check\\_mk/index.py?start\\_url=%2Fetf%2Fcheck\\_mk%2Fview.py%3Fhostgroup%3DDUK%26opthost\\_group%3DDUK%26view\\_name%3Dhostgroup](https://psetf.opensciencegrid.org/etf/check_mk/index.py?start_url=%2Fetf%2Fcheck_mk%2Fview.py%3Fhostgroup%3DDUK%26opthost_group%3DDUK%26view_name%3Dhostgroup)

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

Dune Mesh:

<https://psmad.opensciencegrid.org/maddash-webui/index.cgi?dashboard=DUNE%20Mesh%20Config>

Mesh is still broken. Large amount of work is being done at the mesh hosting site.

## Storage and Data Management News

**Historical:** <http://storage.esc.rl.ac.uk/weekly/>

More recent minutes: [GridPP Storage](#)

Meeting tomorrow. Notes on new release of DPM (1.15)

## Technical Update

(to include any Token News, and Data Challenge work)

Some discussion earlier in the meeting concerning RAL and Glasgow http-tpc.

On Tokens - Tier 1 will have a meeting for summer plans on this.

## Duty Report

NTR

## Tickets

[GGUS tickets ordered by date.](#)

56 Open UK tickets.

I did a bit of ticket pruning this morning. I see that 3 of the “change your ARC accounting publishing” haven’t been set in motion yet:

SUSSEX: [https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=152528](https://ggus.eu/index.php?mode=ticket_info&ticket_id=152528)

BRUNEL: [https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=152517](https://ggus.eu/index.php?mode=ticket_info&ticket_id=152517)

GLASGOW: [https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=152517](https://ggus.eu/index.php?mode=ticket_info&ticket_id=152517)

I believe ARC 6.12 upgrade work is going on at the sites, so it’s just a case of missing the ticket.

## Site News

Tom notes desire for continued testing against their REST interface on their test ARC (02) - especially if DIRAC submission could be tested.

## AOB/Feedback for the PMB

Reminder that Alastair and Dan are the UK dteam VO reps.

## Actions/Decisions from This Meeting

Matt to drop a few emails (Pete C on NFL, TB-SUPPORT on Friday’s tech meeting).

**Chat Window:**

Missed.