

## GridPP Ops 14/12/21

**Attending:** SamS, StevenS, DanW, DuncanR, DarrenM, DanT, RobertF, GerardH, Mark S, Wenlong Y, PeteC, TerryF, PatrickS, Emanuele, RobC

**Apologies:** Matt, Gordon, David C, James W,

### Action from previous meetings.

**20210323-01** - All. Update the self-signed, self-generated certificates on our personars 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 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/Perf2021sonar\\_Cert\\_Status](https://www.gridpp.ac.uk/wiki/Perf2021sonar_Cert_Status)

David notes that this is a prime candidate for the Working Group's attention. (WG progress in ,next week or so).

(People are invited, in general, to share their experiences with getting JISC certs with David.)

To get a UK CA certificate with SubjectAltNames see the documentation at:

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

There will be an email concerning the upcoming host certificate taskforce later this week.

Rejuvenate this action in light of the new taskforce.

Chris has a JISC cert at the moment, but last few certificates have changed the DN and stripped the altnames, so not sure it will work.

David says this should be raised at the STFC Information Security Group, and would like feedback if anyone has any similar experiences.

Please can sites update the [Perfsonar Cert Status](#) table, tickets on this will come if sites haven't.

--The tickets haven't come yet, and won't until the New Year now

**20210907-01** - David C- put forward a person to be the site security threat intelligence contact.

Email security team once a someone is picked. (Email David directly if you haven't yet)

-Technical meeting on SOC plans a few Fridays back: <https://indico.cern.ch/event/1080356/>

-Any sites not put someone forward yet? (no one)

-David C will send the update email(s)

Think this action is just about wrapped up?

Last act is to get all security contacts together in a virtual room before Christmas.

-Is this likely to be squeezed in now?

- this will be next year, per David C email

**20211130-01** - Matt, Tom - email DIRAC users list advertising the test arc CE at RAL. Fell through the cracks. Matt and Tom have had an email exchange about this, action can be closed.

## VO Updates

**CMS (Daniela):**

[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)

NTR

**ATLAS (James):**

- Last Friday; Rucio DB problems led to few hours of mass HC blacklisting
- Multihop transfers; (non-)overwrite settings currently applied for the whole sequence of transfers in a multihop:
  - Transfers to RAL Castor with failed first hop, unable to retry (partial file already exists) as ATLAS doesn't allow overwrites to Tape.
- **Call for information/ongoing work regarding current resources / tools available for analysts that might be related to "analysis facilities":**
  - ***“”while 'analysis facilities' definition for HL-LHC is still being defined and there is R&D going on in some places, we would like to understand what is already on the ground for analysts. In particular local or national resources, batch systems, notebooks, type of access, containers, k8s, dask, authz integration connection to tier2s and also R&D work if ongoing with the evolution of the analysis towards the columnar analysis and machine learning techniques. Feel free also to put also how you see things evolving.””***
- QMUL - Downtimes last week for upgrades; power issues over the weekend
  - Gaining jobs again
- Brunel, awaiting lost files to be declared from DPM namespace (expect very few non-recoverable non-log files).
- Glasgow - Stage-in timeouts; also seeing: "Condor HoldReason: ldap\_simple\_bind\_s failed ; Worker canceled by harvester due to held too long or not found" ?
  - Restart of Xcache appears to resolve things.

## LHCb:

### RAL:

- Worker timeouts in transferring to Echo via gridftp  
([https://ggus.eu/?mode=ticket\\_info&ticket\\_id=155235](https://ggus.eu/?mode=ticket_info&ticket_id=155235))
- CASTOR issues earlier last week, though these are now understood and the ticket can be closed ([https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=155172](https://ggus.eu/index.php?mode=ticket_info&ticket_id=155172))
- 25% deletion failures with gridftp - any updates here?  
([https://ggus.eu/?mode=ticket\\_info&ticket\\_id=155120](https://ggus.eu/?mode=ticket_info&ticket_id=155120))
- Tape Challenge ticket can be closed as transfer has gone through  
([https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=154096](https://ggus.eu/index.php?mode=ticket_info&ticket_id=154096))

### Tier 2:

- QMUL Failed FTS transfers and pilot submissions due to power problems. All sorted now I believe ([https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=155273](https://ggus.eu/index.php?mode=ticket_info&ticket_id=155273))

## “Other” VOs:

### DUNE (Wenlong):

glideInWMS configuration for the different sites :

<http://qfactory-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

Storage monitoring site:

<https://dune.monitoring.edi.scotgrid.ac.uk/app/dashboards#/view/318dbad0-727a-11ea-9164-a38a629544b4>

2.18 PB data has been moved to UK sites (this round of transfers is completed). Hopefully, we can test Antares for DUNE in February 2022, and use it in production from mid-2022.

SKA:

LIGO:

LSST:

(FTS)

Incremental progress on Rucio.

Other “New” VO status:

## General Updates/Discussion

### Meeting Updates

“Token” final technical meeting of 2021 last Friday:

<https://indico.cern.ch/event/1098814/>

GDB last week: <https://indico.cern.ch/event/876796/>

Also last week, the IRIS collaboration meeting:

<https://indico.ph.qmul.ac.uk/indico/conferenceOtherViews.py?view=standard&confId=1201>

EGI Ops meeting yesterday:

<https://wiki.egi.eu/wiki/Agenda-2021-12-13>

Any other meetings to discuss?

### Tier 1 Status

Tier-1 is currently dealing with the log4j security vulnerability. This work is planned to be completed at close of play today (14/12/21).

RAL is intending to undertake an investigation intervention on Wednesday (15/12/21) evening as part of the network segmentation work. Based on previous experience we have marked ALL SERVICES to be running "at risk" for a 24 hour period from 1700 on the 15th.

Tier-1 has entered it's Christmas Change Freeze. As such, other than when "at risk" (or the correction of services faults) it is anticipated that all services will be running in a nominal state during this period as no one is allowed to "muck about".

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

(08-11-21)

Moving a batch of WNs to new network.

-Jose notes that in preparation these nodes will be drained, there will be a small reduction in capacity over the weekend.

Adding new Storage Nodes for Echo into the new network

Plan to Join LHCONE 1st/2nd Week December

Internal changes to current network needed for this ongoing 10/11/21 17/11/21 22/11/21

(25-10-21) New WN transition to the new network due soon- this week or next (we think).

(12-10-21) New network online, but no hosts on it yet. Working in progress. New worker nodes and storage will be put on it. Part of work is making the migrations easier.

(24-08-21) Connections and configuration of new RAL Tier1 network ongoing. Connections and configuration of Antares network ongoing.

RAL Campus network upgrades complete which should allow for extra capacity , better diagnostics , and increase in IPv6 bandwidth to be planned.

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/>

Brian- internal testing of CTA progressing

## Security Brief

- Operational update [standing item]
- IRIS Security Forum meeting 23/11 (in the TWG slot, 3pm):  
<https://indico.ph.qmul.ac.uk/indico/conferenceDisplay.py?confId=1359>

For our bookmarks: <https://csirt.eji.eu/news/>

## 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

## 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>

## 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.

Would like to have the January GDB DPM plans talk nailed down before Christmas. We'll talk about the draft in Storage on Wed.

Xrootd 5.4.0 is now out. This includes a number of interesting bug fixes - plus the first version of the udp firefly/packet marking functionality.

## Technical Update

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

New Data Challenge FTS dashboard: <https://monit-grafana.cern.ch/goto/ZiPcsOD7k?orgId=20>

## Duty Report

Nothing exciting to report. [Gordon]

## Tickets

[UK GGUS tickets](#)

Please can people make extra effort to wrap tickets up for Christmas!

Quite a few transfer/data access tickets from various sites. (Glasgow's are either due to be closed or being used to track our migration to cephfs for LHCb...) There's also some long running IPv6 deployment tickets, which I suspect won't move still... and most of the rest look like they're tickets that refer to recurring issues that we know about.

## Site News

### AOB/Feedback for/from the PMB

Last Ops meeting of 2021 will be Tuesday 21st December. First meeting of 2022 will be Tuesday 11th of January.

PMB would like to thank all the sites and contributors to Ops for all their work. (and Matt for running Ops for so long!)

Note it's 20 years of GridPP!

### Actions/Decisions from This Meeting

#### Chat Window:

From Daniel Traynor to Everyone 11:03 AM

he link in the email has next

From Whitehouse, Dan to Everyone 11:37 AM

Maddash is part of perfsonr

From Duncan Rand to Everyone 11:44 AM

I have now forwarded the perfsonar summary email

From Robert Currie to Everyone 11:45 AM

5.4.0 also includes a client-side fix for vector reads 😊

From Cornwall, Linda (STFC,RAL,PPD) to Everyone 11:47 AM

Thanks Duncan