

## GridPP Ops 15/06/21

**Attending:** Matt, SamS, WinnieL, PatrickS, Vip D, Mike L, Emanuele, Luke K, Duncan, James W, RobertF, LindaC, Jose, Mark S, Hand G

**Apologies:** Gordon

### 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 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.

**20210425-01** - All sites. Please complete this Project Management requests (by either filling in the linked documents or directly emailing Sam if you do not wish the information to be public:

- Site internal escalation procedure documentation.

[https://gla-my.sharepoint.com/:w:/g/personal/samuel\\_skipsey\\_glasgow\\_ac\\_uk/EYXKFec8c1ILvORVVv5kIxIBeTvzXeil96xR7mY4a7D8kg?e=5IHdKH](https://gla-my.sharepoint.com/:w:/g/personal/samuel_skipsey_glasgow_ac_uk/EYXKFec8c1ILvORVVv5kIxIBeTvzXeil96xR7mY4a7D8kg?e=5IHdKH)

Sam will poke some people directly. (DONE).

We can close this now.

**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.

**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)

**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)

## VO Updates

### CMS (Daniela):

Not much of note: CMS reminds all sites to upgrade their ARC-CEs to 6.10.1, 6.11.0 or 6.12.0 as soon as possible to avoid a CE vulnerability.

#### **CMS Tickets (only the T1 tickets need any actual input from the site):**

##### **T1:**

[150399](#) WebDav: Last update 2 weeks ago, how's the xrootd 5.2 testing going ?

[150482](#) AREX: Waiting for tests from LHCb before upgrade can be rolled out. Any new how this is going ?

-Raja provides an update, he should be done today.

[152257](#) SAM tests failing. Last update two weeks ago. Is this still current ?

[152380](#) This ticket is probably related to 152257. It was noted that Katy was on holiday, but is there really no-one else at the T1 that could look at the CMS tickets and monitor the tests ?

-This problem (what to do when Katy is away) is being looked at.

##### **T2:**

Brunel:

152197: CMS submitted a ticket against Brunel, noting in the ticket that there was nothing for the site to do. But it then shows up in their open ticket accounting. Punted back to CMS.

[152031](#) Nothing to do/Waiting for input from CMS.

Bristol:

[150734](#) WebDav ticket/no change

RALPP:

[152205](#) WebDav: Waiting for CMS

[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)

### ATLAS (James):

- SUSX; Singularity enabled? retrying prod. Work (also moved back to python 2 pilots)
- RAL - testing of Xrd 5 on WNs / gateways ongoing

- Glasgow - working on mitigating WN write-back via external gateways
- QMUL; power issues in DC overweekend
- MAN; CA expired cert on head-node.
- Durham: Attempt to spread out ATLAS jobs across nodes

## LHCb (Raja):

RAL :

- Ongoing tickets still ongoing
- Testing job submission to arc-ce-test02
- Trying to extract some job success / failure rates for xroot 5 @ RAL
  - Some discussion on xroot5 and checksumming, Brian says a python script might be able to do a checksum on the fly - and could be the prelude to a plugin. (GGUS:151955)
  - Upcoming : Singularity and docker for LHCb@RAL

QMUL transfer failures (GGUS:152550) : What is the status?

RAL\_HEP : Action on LHCb to remove the single core queue from their configuration

Manchester : Known issues with site networking bottleneck

Lancaster : @Matt - any update on the REST interface submission?

Matt- not yet I'm afraid, will look at it whilst upgrading to 6.12

## “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**

Matt W from Exeter's mail regarding new users.

-Some discussion about OSES - Vip suggests a technical meeting. But would we be able to get anything out of it.

Maybe a local (UK) strategy plan?

Action to ask for technical meeting on this.

-review the current landscape

-check if people are "backed into a corner"

-see what strategies we can do alleviate stuff

-coordinate strategies together.

(not just a GridPP problem, also an issue for Tier 3)

## **Meeting Updates**

pre-GDB and GDB last week:

<https://indico.cern.ch/event/1028690/>

<https://indico.cern.ch/event/876790/>

EGI Ops meeting yesterday:

<https://wiki.egi.eu/wiki/Agenda-2021-06-14>

Not much exciting.

LHCB week is ongoing. There is an Atlas Computing Week too:

<https://indico.cern.ch/event/975459/>

## **Tier 1 Status**

All relatively quiet.

Only notable call-out was on Friday when one castor stager went down ~0200 followed by the other three at ~0800. To quote Castor Team Lead "Looks like CASTOR's trademark very slow memory leak. Not sure why they all went at once but have restarted the daemons. Not certain all is completely well". However, it survived the weekend and is still currently running correctly.

Due to perceived performance drop on the 10off Worker Nodes running XrootD 5.2 an additional 10ff nodes have have been upgraded to 5.2 to aid further investigation.

## 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 broken today, Duncan has emailed. Also asked that “thresholds” get looked at.

## Storage and Data Management News

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

More recent minutes: [GridPP Storage](#)

***Note: no Storage Group Meeting this week due to conflicting other meetings.***

## Technical Update

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

NTR

## Duty Report

Mostly quiet. Lots of low availability tickets sitting quietly twiddling their thumbs until the figures improve.

## Tickets

[GGUS tickets ordered by date.](#)

Up to 62 tickets :-)

Most of these are tickets for sites to upgrade their ARCs and switch to the new message brokering. Three of these tickets haven't been spotted by the site (Brunel, Glasgow, Sussex).

This Sussex ROD Availability ticket hasn't been spotted either:

[https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=152385](https://ggus.eu/index.php?mode=ticket_info&ticket_id=152385)

The final “still in assigned state” tickets are these at Manchester:

[https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=152549](https://ggus.eu/index.php?mode=ticket_info&ticket_id=152549)

[https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=152548](https://ggus.eu/index.php?mode=ticket_info&ticket_id=152548)

I think they're related to certificate problems and a DT has been declared.

## Site News

The Lancaster NIC saga continues. Thanks for everyone for their help and support on TB-SUPPORT.

Mark S notes that the last validation of accounting was all zeros - had missed the renewal of apel accounting. Wonders how to go about fixing this?

-will take the conversation to tb-support.

## AOB/Feedback for the PMB

NTR

## Actions/Decisions from This Meeting

-Sort technical meeting.- Sam will throw to Alastair over skype.

## Chat Window:

11:44:36 From Terry Froy To Everyone : If these transfer issues started over the weekend, this would be due to an issue with our internal cluster DHCP service that provides addressing to our storage and worker nodes.... effectively, as DHCP leases expired, our storage hosts fell offline because they no longer had addresses.

11:44:40 From Terry Froy To Everyone : A restart of the DHCP server fixed it.

11:48:53 From Caballero Bejar, Jose (STFC,RAL,SC) To Everyone :

<https://indico.cern.ch/event/975459/>

12:09:44 From Robert Currie To Everyone : Edinburgh an Alma linux box with an elrepo kernel and epee-release packages running NFS for testing, but that's just 1 more datapoint with regard to centos alternatives