

# GridPP Ops 25/05/21

**Attending:** Matt, SamS, VipD, Jose, RobC, WinnieL, MikeL, RobertF, AlesandraF, Darren, Raul

**Apologies:** DavidC, Linda, JamesW, Emanuele, Gordon, DanT, Patrick,

## Action from previous meetings.

20210323-01 - All, Sam. Update the self-signed, self-generated certificates on our perpsonars 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)). Sam will keep an eye on the situation.

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

Discussed at the UK Security Meeting.

Optimal option are JISC certificates - but these could have a cost.

CA certificates would require extra effort on CA side due to dual-homed hosts, and aren't always "trusted" outside the grid infrastructure.

David asks if sites would have difficulty getting a JISC certificate? Sites should check on this.

David notes that if you already have an escience certificate there's no rush.

Chris B has "some" experience with JISC certificates, and some recipes. (Distributed on TB-SUPPORT)

Reminder to sites to check the "local" availability of JISC certs.

Some discussion of the Lancaster experience asking for a JISC cert.

Mike mentions that Oxford use an entrust cert, and asks if this was fine. It was!

Mike mentions that entrust had a nice, easy portal to use that they could use directly.

Wiki table to track progress:

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

Some clarification about why the escience certs are a "second choice". Matt will however ask for one for the Lancs perpsonar. Sites once again encouraged to fill in the table.

Next review date 1st June.

Vip notes that JISC cert providers to SECTIGO, which might affect people on JISC certs.

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

- (approx) timetables for any delayed hardware installs [for already procured hardware] due to COVID19, for all sites, please. [This isn't a punitive thing, it's an informational thing!]  
[https://gla-my.sharepoint.com/:x:/g/personal/samuel\\_skipsey\\_glasgow\\_ac\\_uk/EYRXm6nftYBEvi3RU1S77nkBWW9Xt4N6ehPJE3OW9mre7g?e=YHwwi0](https://gla-my.sharepoint.com/:x:/g/personal/samuel_skipsey_glasgow_ac_uk/EYRXm6nftYBEvi3RU1S77nkBWW9Xt4N6ehPJE3OW9mre7g?e=YHwwi0)
  - Thanks to everyone to filled in details after my email yesterday.
  - **Request for further comment on the size of the "delayed" resources in cases of big disk/cpu installs.**
- 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)

Will continuously review - but if you only have time to fill in one the COVID spreadsheet is quite urgent.

Sam will poke some people directly. A column will be added to the COVID spreadsheet.

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.

## VO Updates

### CMS (Daniela):

RALPP: [https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=151971](https://ggus.eu/index.php?mode=ticket_info&ticket_id=151971) SAM tests (XRootD-Read) failing (needs update)

RALPP: [https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=151895](https://ggus.eu/index.php?mode=ticket_info&ticket_id=151895) SAM tests not executing (needs update)

Brunel: [https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=151515](https://ggus.eu/index.php?mode=ticket_info&ticket_id=151515) Got lost ?

Bristol: [https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=150734](https://ggus.eu/index.php?mode=ticket_info&ticket_id=150734) Probably no change, but maybe a new time estimate ?

RAL-LCG2: [https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=150482](https://ggus.eu/index.php?mode=ticket_info&ticket_id=150482) AREX: Test node seemed to work, has this been rolled out in production ?

RAL-LCG2: [https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=150399](https://ggus.eu/index.php?mode=ticket_info&ticket_id=150399) WebDav: New xrootd version is out, have another go ?

[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):**

Glasgow - awaiting rucio fix to move back to correct routing of WN job output; affecting number of FTS connections

Brunel - raid controller problem; now replaced

Sussex - recurring failures from full disk space

### **LHCb (Raja):**

Matt wonders if Raja had a chance to test the UK ARC REST interface situation.

@Matt : I get the following error (on the Lancs CE) -

```
<soap-env:Envelope xmlns:soap-enc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:soap-env="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"><soap-env:Body><soap-env:Fault>
<soap-env:faultcode>soap-env:Server</soap-env:faultcode><soap-env:faultstring>Incoming
request is not
SOAP</soap-env:faultstring></soap-env:Fault></soap-env:Body></soap-env:Envelope>
```

Testing REST interface features and getting used to it privately before implementing in DIRAC

Issues:

RAL Tier-1

- Streaming out of ECHO : Ongoing
- FTS and macarons : Ongoing (waiting for CERN update?)
- Data corruption : Still exchanging information
- Xrootd checksums taking long time : Waiting for response

### **“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:

LIGO:

Other "New" VO status:

Vip noticed that Jeremy was still the gridpp VO manager, this is being looked at.

T2K.org manager? Lukas and Sophie are the VO Managers.

## General Updates/Discussion

SCS: Procurement for sites and chip foundry delays [impacting at least some suppliers and supply chains].

AF notes that there will be a preGDB on the future of certs/CAs later in the year.

## Meeting Updates

vCHEP last week:

<https://indico.cern.ch/event/948465/overview>

AF - tools are changing, computing landscape is changing. Need to be more proactive in looking at evolution. GPUs/Machine Learning etc need to be accommodated.

SAM - notes for example the talk on compiling EOS for ARM.

ARM is coming, and is less far away then you might think.

Pete notes that we need to be ready to make “modest deployments” of “new/novel” technologies. PMB encourages us to get experience.

The week before saw the DIRAC user workshop:

<https://indico.cern.ch/event/852597/>

Daniela notes that nothing that sites need to know, but effort to consolidate non-lhcb developments.

Jose notes: HTCondor Week this week (5pm-9pm):

<https://agenda.hep.wisc.edu/event/1579/timetable/#20210524.detailed>

Jose notes that tomorrow’s talk on HTCondor9 upgrade process & security will be relevant to everyone who runs HTCondor, at 5pm.

The upgrade from 8 to 9 is not transparent.

## **Tier 1 Status**

New chiller unit installed. It will enter production on Monday 24<sup>th</sup> May.



ARC CE upgrade was completed. Now running version 6.10.1.

HTCondor upgrade to the Worker Nodes was completed. Now running version 8.8.12.

Progress on deploying OpsGenie to current 2<sup>nd</sup> Line support.

Wednesday, in the 10 minutes before the RAL network outage, a network scan took place which attempted in excess of 350 Million connections into the RAL network.

The Denial of Service (DoS) protection in the firewall is currently configured to monitor and log these connections (which it did) but no further action was taken. In light of the scale of the network scan that took place yesterday we are now going to enable DoS protection on all STFC firewalls to block scans of this type.

## Tier-1 Network upgrade

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%3DUK%26opthost\\_group%3DUK%26view\\_name%3Dhostgroup](https://psetf.opensciencegrid.org/etf/check_mk/index.py?start_url=%2Fetf%2Fcheck_mk%2Fview.py%3Fhostgroup%3DUK%26opthost_group%3DUK%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>

Discussion about monitoring and evolving the dashboard.

## Storage and Data Management News

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

More recent minutes: [GridPP Storage](#)

(Storage Group meeting was postponed last week due to vCHEP)

## Technical Update

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

A note that the PMB is fully behind Data Challenge work.

Data Challenge:

DOMA general meeting tomorrow, AF giving an update.

Infrastructure is still being set up.

“xrootd problem” - reported very differently from FTS transfers so causing monit issues.

One user managed to transfer 5PB a day for atlas (twice the average for the past year).

We've already achieved one goal for the data challenge.

AF and Duncan still need to have a chat regarding collecting network info. Information needs to be rolled into the monitoring, with a goal for some kind of weathermap.

Duncan notes this will be difficult for sites with shared connections into JANET. Sites may have to implement their own network monitoring (and exporting it).

## Duty ReportNTR

### Tickets

[GGUS tickets ordered by date.](#)

44 Open tickets this week

This ska ticket for Manchester seems to remain unnoticed:

[https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=151894](https://ggus.eu/index.php?mode=ticket_info&ticket_id=151894)

These two CMS tickets for RALPP and Brunel have been reopened:

[https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=151971](https://ggus.eu/index.php?mode=ticket_info&ticket_id=151971)

[https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=152031](https://ggus.eu/index.php?mode=ticket_info&ticket_id=152031)

## Site News

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## AOB/Feedback for the PMB

GridPP46?, a brief discussion.

No strong objections.

## Actions/Decisions from This Meeting

Matt, Sam, others - sort GridPP VO Management.

## Chat Window:

11:00:25 From Vip To Everyone : Jisc are moving to a new certificate provider, Sectigo

11:07:57 From Terry Froy To Everyone : Dan Traynor sends his apologies but in his defence, he is on annual leave for the whole of this week.

11:16:35 From Alessandra Forti To Everyone : sorry for the out of sync question but that discussion on jisc certificates is related only to perfonar or more extensive?

11:18:54 From Matthew Steven Doidge To Everyone : There's a possibility it could effect sites elsewhere, but in general I \*think\* it's mainly if sites are using JISC for their perfonar certs.

11:25:57 From Daniela Bauer To Everyone : Lukas Koch & Sophie King

11:43:56 From Caballero Bejar, Jose (STFC,RAL,SC) To Everyone : HTCondor Week:  
<https://agenda.hep.wisc.edu/event/1579/timetable/#20210524.detailed>

11:51:21 From Vip To Everyone :

<https://agenda.hep.wisc.edu/event/1579/contributions/23053/attachments/7870/8949/HTCondor-Security-2021.pdf>

11:58:33 From Caballero Bejar, Jose (STFC,RAL,SC) To Everyone : I need to go.

12:02:01 From Winnie Lacesso To Everyone : Sorry, gotta go!

12:02:29 From Terry Froy To Everyone : Depending on the hashing algorithm used by intermediate network devices that may be using LACP (i.e. bonding two 10Gbit/s ports to make 20Gbit/s), TCP single stream performance can be constrained to that of a single member of the bond (i.e. a single 10Gbit/s).

12:17:06 From Daniela Bauer To Everyone : Can we \*not\* have it in the school holidays please ? I

12:20:32 From Daniela Bauer To Everyone : I have so much holiday saved up, I might just decamp for a month to somewhere with nice weather.