GridPP Ops 18/05/21

Attending: Matt, Vip, Rob-C, Gordon,Brian, Emanuele, SamS, D, PatrickS, Mark Slater, DavidC

Apologies: MikeL, some people at vCHEP

Action from previous meetings.

20210323-01 - All, Sam. Update the self-signed, self-generated certificates on our perfsonars to something better (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

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

Next review date 1st June.

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
- ○ Thanks to everyone to filled in details after my email yesterday.
- ● Site internal escalation procedure documentation.
https://gla-my.sharepoint.com/:w:/g/personal/samuel_skipsey_glasgow_ac_uk/EYXKFec8c1lLvORVVv5kIxIBeTvzXeiI96xR7mY4a7D8kg?e=5IHdKH

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

COVID spreadsheet looking healthier, still a few sites

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
Will review properly on the 24th.

VO Updates

CMS (Daniela [at vCHEP]):

https://monit-grafana.cern.ch/d/m7XtZsEZk4/wlcg-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

CMS okay? We think so.

ATLAS (James):

- - Oxford; some file loss after DC outage
- - Oxford; After bad network link in RAL fix, Oxford able to run successfully (currently not using XCache); ~ 25kHS06. CPU eff. looks reasonable (to be quantified).
- - Glasgow; Transfers failing due to saturated gridFTP connections; Related to workaround for rucio bug [https://github.com/rucio/rucio/issues/4617], or something else?
- - Successful Mtg with Sussex in understanding of residual site problems

LHCb (Raja):

RAL Tier-1 :
- - Ongoing issues with streaming, checksums. Waiting for FTS developers on authentication.
- - (Kind of) understood source of data corruption at RAL

- Race condition between writing and deleting a file, possibly when there is another issue on the diskserver.

Manchester : CE issues
Oxford : Lost files. But we have not used Oxford storage for many years and it is not a Tier-2D for LHCb!
Question : Do sites using ARC mostly have REST interface enabled?

Dan suggests a code check to quickly test if it's enabled, as it's unclear to sites if this is on by default!
David suggests checking if you have anything under the arex webservices block and anything listening on 443.

Lancaster thinks we should be enabled - whether correctly enabled is another question. Raja will loop over the arc CEs with a test and see what he can see.
David C notes the CMS interest in the REST interface.

"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/
--- 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:

Vip asks about who the onus is on to update VO contact info (after t2k didn't get their broadcast). Consensus was that it's on the VOs, Raja confirmed that he got the broadcast. Lukas is still the t2k rep we think.
We should double check. Matt will drop a mail to Sophie and Lukas if we're still not sure about this.
We wonder how endemic this is, Vip noticed a bunch of bounces when mailing people.

General Updates/Discussion

Thanks to everyone who attended the Sussex Debug Zoom Session last Thursday.

Meeting Updates

vCHEP this week:
https://indico.cern.ch/event/948465/overview

Last week saw the DIRAC user workshop:
https://indico.cern.ch/event/852597/
and a GDB:
https://indico.cern.ch/event/876789/
Any take homes from these? Is anyone going to be around to give them?

From the GDB David C notes the Condor Token talk, and the IAM talk form Tom. There's a lot of work in similar areas, so there's a push to pull the effort together.

Tier 1 Status

ARC-CE upgrade ongoing.
Planning deployment of xrootd 5.2.0
(Sam notes that rc2 is out, and fixes a resource leak)

Tier-1 Network upgrade

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

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]

A reminder to use SECURITY-DISCUSSION list to discuss issues.

Heads Up - the Security Team will start collecting information on Site's "Stacks", pulling info from the gocdb but then checking/supplementing it. Stuff like network ranges are in the GOCDB, but need to be checked. Information like batch system/SE flavour isn't easily gleaned from the GOCDB, so sites will be asked. But not yet.

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://www.gridpp.ac.uk/wiki/Perfsonar_refresh

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

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Matt will update the NFL Tier 2 wiki page with IPv6 questions.

Storage and Data Management News

Historical: http://storage.esc.rl.ac.uk/weekly/
More recent minutes: GridPP Storage

(Xrootd 5.2.0rc2 is now out - a number of other bug fixes, including another memory leak (that sounds like the one we had in 5.1.x at Glasgow))

No Storage Group meeting this week as we would conflict with Rob Currie's Xrootd monitoring vCHEP talk. (So, also go see that session!)

Technical Update

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

Duty Report

All quiet: nothing exciting to report.

Tickets

GGUS tickets ordered by date.

41 Open tickets this week. Reasonable ticket churn "at the top".

Only stand out to me is this SKA ticket for Manchester (which I'm not entirely sure about myself):
https://ggus.eu/index.php?mode=ticket_info&ticket_id=151894

Site News

Dan asks if anyone has any ConnectX6 experience?
David notes that they have ConnectX5 at RAL, but no 6.
Looks like a no, Dan is the pioneer.

AOB/Feedback for the PMB

NTR

Actions/Decisions from This Meeting

A few light actions, all on Matt - investigate T2K VO management, update the NFL Tier 2 doc with IPv6 lines and re-email TB-SUPPORT, and

Chat Window: