GridPP Ops 13/12/22

Attending: Matt, Gerard H, Vip, Jose, Sam, Raul, Pete C, Steven S, Alex R, Dan T, Dwayne, Tim C, Winnie, Duncan R, Emanuele, JamesW, Linda, Darren M, Tom B, Dan W, Rob C, Daniela, Wenlong, Gordon (joined late)

Apologies: DavidC

Urgent Business

None

Actions from previous meetings.

None

VO Updates

ATLAS (James):

- Cern: OTG0074642 Applying a reduction in the amount of (lxbatch) batch resources provided from ~15th Dec to March for power savings
- RAL
    - Took time to recover compute slots after the Echo downtime (ATLAS only VO that drained beforehand); also currently with very few running idle jobs.
    - Antares:
        - Potential issue with FTS transfers using “multistream” flags; but spotted and fixed in Antares TPC almost instantly
- T2
    - GGUS:159892 ECDF_CLOUD Timeouts observed on stage-in
    - GGUS:159792 Glasgow Open ticket on transfer timeouts (several jobs simultaneously reading the same file)
    - LANCS: Issue over weekend with XRootD Servers failing; did CMSD do anything useful ?
    - QMUL: Transfer issues on Sunday. But now appears ok.

CMS (Daniela):

Note from the T2 support meeting:
“Important for sites: the SAM tests will stop writing to /store/unmerged/SAM but to /store/temp/user instead. Many sites don’t allow write access to the latter from the SAM account, so please check that the SAM account can write there like any other CMS account.”
Not sure if that is actually a problem, but it’s worth checking.

monit link

LHCb: (Mark/Alexander):

RAL:

- Data challenge repeat
    - Writing part started today, reading part will be next year
- Problem with accessing one particular file
    - It was impossible to copy the file in reasonable time. Probably it was a temporary performance issue.
- Long lasting issues:
    - Slow stats
    - Deletion problems
        - Timeout increase was proposed
    - Vector read
        - Testing of different patches is ongoing

T2:

- Issue with FTS transfers to Queen Mary University
    - solved
- Problem with pilot submission at the University of Sheffield
- Migration to ceph is ongoing at the University of Glasgow

“Other” VOs:

DUNE (Wenlong):

Links: glideInWMS configuration for the different sites
SAM tests
Monit link for history
CRIC: https://dune-cric.cern.ch/core/experimentsite/list/
Storage monitoring site

Job efficiency monitoring site
DUNE job status

- Workflow tests:
  https://wfs.dune.hep.ac.uk/dashboard/?method=wtf-results

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SKA:

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Pete C notes that SKARC effort will ramp up in 2023.

LSST/Rubin:

Work is ongoing at Lancaster getting jobs running.

Other VOs:

Ligo: A weird ticket landed at Lancaster:
https://ggus.eu/index.php?mode=ticket_info&ticket_id=159810
This has been solved for Lancs and advice given to the submitter to submit new tickets for the other sites affected.

Jose notices problems on farm after virgo (i.e. ligo VO) jobs. This left cvmfs in a corrupted state that broke the WNs (cvmfs repo couldn't be mounted).
This has not been seen elsewhere (at least recently).

General Updates/Discussion

Change to the "Recommended Distro" from CERN and Fermilab. Alma (9) is the winner:
https://news.fnal.gov/2022/12/fermilab-cern-recommendation-for-linux-distribution/

Tom B reassures us that 8 is fine. CERN still haven't officially made a statement yet. We all note that 9 is not baked enough yet.

Meeting Updates

WLCG Ops Coordination last week:
https://twiki.cern.ch/twiki/bin/view/LCG/WLCGOpsMinutes221201

EGI Ops meeting yesterday:
https://confluence.egi.eu/display/EGIBG/2022-12-12+notes

Research Network Engineering meeting last Friday (9th) [which Matt gave a talk at!]

GDB this week: https://indico.cern.ch/event/1096037/
(good chance that it will change to add in a recommended OS talk).

IRIS F2F next month/year. 12th-13th Jan at the Royal Observatory, Edinburgh:
https://indico.ph.qmul.ac.uk/indico/conferenceDisplay.py?confId=1593
with a IRIS Security Workshop the day before:
https://indico.ph.qmul.ac.uk/indico/conferenceDisplay.py?confId=1608 (currently a placeholder, the event will start in the morning).

Technical Meeting (in January probably) on power saving.

Sam reminds people to please let him know if you get accepted to CHEP (and let him know what sort of acceptance it was).

Tier 1 Status

The Echo patching/reboot intervention completed successfully on 8/12/22.

The Tier-1 change freeze is now in place until the new year (3rd January 2023). In practice critical security patches will be implemented as required as will any necessary intervention needed to return a service to production status. However, it is anticipated that by not allowing any “mucking about” will ensure a smooth production service over the Christmas period.

Tier-1 Network upgrade (latest update on top)

29/11/22 - Tom B has test firewalls for WNs, one step closer to them being on LHCONE

22/11/22 - hopefully some updates this week. Central core hardware routers *have* been replaced.

13-09-22 - Tom B notes a problem with host firewalls on LHCONE nodes.

09-09-22 - IPv6 Traffic now enabled on the super spine.

02-08-22 - intention to make 2022 WNs (rocky 8 gen) hope to put these on lhcone.

17-05-22 Technically joined the LHCONE but at the moment it has only one host (the new perfSonar box). Currently we have resource checking and conforming routing between endpoints and IPV6 allocations.

05-04-2022 Resolution of new storage node access and central security work delayed LHCONE activity. Being re-timetabled.

Security Brief

New home for advisories: https://advisories.egi.eu

- Operational update [standing item]
- Pakiti status - should be working
- Site Security Survey
    - (good place to note things like Carbon Black@Bristol)

https://www.jisc.ac.uk/get-involved/cyber-security-community-group

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”
Auth Working Group Twiki: https://twiki.cern.ch/twiki/bin/view/LCG/WLCGAuthorizationWG
Indico Category: https://indico.cern.ch/category/68/
Mailing list egroup: project-lcg-authz
Note - AuthZ meetings moved to fortnightly Friday’s 14-15:00 UK.

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Networking News

UK Mesh
Check_MK monitoring
Perfsonar refresh - GridPP Wiki
Dune Mesh
perfSONAR certificate status
perfSONAR issues

No data:

RAL-LCG2: GGUS: https://ggus.eu/?mode=ticket_info&ticket_id=158746
cta-ps01-bw.scd.rl.ac.uk: no meshes configured: easy to fix. Good inbound rates to cta-ps01-bw.scd.rl.ac.uk over IPv4 (up to ~ 17 Gb/s): https://psmad.opensciencegrid.org/maddash-webui/details.cgi?uri=/maddash/grids/UK+Mesh

+Config+-+UK+IPv4+Bandwidth+-+Throughput/ps-london-bw.ja.net/cta-ps01-bw.scd.rl.ac.uk/Throughput

t1-ps01-bw.gridpp.rl.ac.uk : No results, unable to connect over port 443: connect to address t1-ps01-bw.gridpp.rl.ac.uk and port 443: Connection timed out
https://psetf.opensciencegrid.org/etf/check_mk/index.py?start_url=%2Fetf%2Fcheck_mk%2Fview.py%3Fhost%3Dt1-ps01-bw.gridpp.rl.ac.uk%26site%3Detf%26view_name%3Dhost

RALPPD: no IPv6 connectivity to port 443 amongst other things
https://psetf.opensciencegrid.org/etf/check_mk/view.py?host=hep-ps-bw-bp.pp.rl.ac.uk&site=etf&view_name=host

Liverpool: GGUS: https://ggus.eu/?mode=ticket_info&ticket_id=159261
CRITICAL - Connection failed (500 Server Error: Internal Server Error) and CRITICAL - pscheduler not enabled/running.
–Note Rob is off for Christmas.

Sheffield: GGUS: https://ggus.eu/index.php?mode=ticket_info&ticket_id=159903
https://psetf.opensciencegrid.org/etf/check_mk/view.py?host=lcgperf.shef.ac.uk&site=etf&view_name=host
IPv6 issues: connect to address lcgperf.shef.ac.uk and port 443: Connection timed out
→ probably related to https://ggus.eu/index.php?mode=ticket_info&ticket_id=159813

Imperial: No outbound latency tests apart from to Jisc London.

RHUL: GGUS: https://ggus.eu/?mode=ticket_info&ticket_id=158756
Poor outbound throughput rates possibly caused by the fact that there are different routes in/out.

Durham: GGUS ticket: https://ggus.eu/index.php?mode=ticket_info&ticket_id=159902
https://psetf.opensciencegrid.org/etf/check_mk/view.py?host=perfsonar.dur.scotgrid.ac.uk&site=etf&view_name=host
IPv6 issues?: connect to address perfsonar.dur.scotgrid.ac.uk and port 443: Connection timed out

Performance issues

UCL: < 1Gb/s over IPv6 – 1 G limit somewhere?
Sussex: < 1Gb/s over IPv4 and IPv6 – 1 G limit somewhere?
Glasgow: < 1Gb/s over IPv6 (apart from Imperial..) – 1 G limit somewhere?
QMUL: Relatively low inbound rates (< 4 Gb/s) and loss most likely caused by congestion on 10G link
→ Should be fixed Thursday.
RAL-LCG2: lcgps01: high (~1%) packet loss outbound over IPv6, but not to RALPPD

https://psmad.opensciencegrid.org/maddash-webui/details.cgi?uri=/maddash/grids/UK+Mesh+Config+-+UK+IPv6+Latency+-+Loss/lcgps01.gridpp.rl.ac.uk/ps-london-lat.ja.net/Packet+Loss

https://psmad.opensciencegrid.org/maddash-webui/details.cgi?uri=/maddash/grids/UK+Mesh+Config+-+UK+IPv6+Latency+-+Loss/lcgps01.gridpp.rl.ac.uk/hep-ps-lt-bp.pp.rl.ac.uk/Packet+Loss

ECDF: some outbound loss IPv4 and IPv6

Imperial: IPv4 outbound path number = 3-4, IPv6 outbound path number = 4
Lancaster: IPv4 outbound path number = 1-4
Glasgow: IPv4 outbound path number = 4-6
–Note that at Glasgow this is by design/expected.
–Change of colour scheme?
–Don't interpret red==bad.
Bristol: IPv4/6 outbound path number = 2
Oxford: IPv4 outbound path number = 4, IPv6 outbound path number = 2

Important to give Tim/Duncan feedback now ahead of 5 release (there's a European PS dev meeting next week).

Most common issue is port 443 over Ipv6 - please can sites check this.

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.

Last storage meeting of the year tomorrow. (We can talk a bit about Lancs' "live bug testing" for xrootd…)

Technical Update

(to include any Token News, Data Challenge work, "New" OS experiences)
Standing subjects:
-ESCAPE credentials and use of tokens

-"Carbon Black" @ Bristol and similar technologies elsewhere

-ARGUS concerns.

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Duty Report

Dashboard looks reasonably tidy, sadly no last minute issues we can clean up easily.

Tickets

UK GGUS tickets
46 Open UK tickets

Please can any loose end tickets be as wrapped up as possible for Christmas

This CMS xroot ticket for Brunel came in at the weekend:
https://ggus.eu/index.php?mode=ticket_info&ticket_id=159883
Fixed, but I haven't closed it (Raul)

I think these Glasgow DPM tickets can be blanket closed (sorry for nagging):
https://ggus.eu/index.php?mode=ticket_info&ticket_id=159276
https://ggus.eu/index.php?mode=ticket_info&ticket_id=158833
https://ggus.eu/index.php?mode=ticket_info&ticket_id=156049
https://ggus.eu/index.php?mode=ticket_info&ticket_id=148396

Please can this RAL test ticket have something done with it 🙂
https://ggus.eu/index.php?mode=ticket_info&ticket_id=159506
especially as you have this new test one:
https://ggus.eu/index.php?mode=ticket_info&ticket_id=159845

Site News

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AOB/Feedback for/from the PMB

First meeting of 2023? Suggest the 10th.
-no objections.
No "planned" meeting next week.

Last PMB meeting yesterday.

Actions/Decisions from This Meeting

Have a Merry ${Winterfestival} and a Happy New Year!

Chat Window:

11:26:40 From James Walder - STFC UKRI To Everyone:
“The ticket”: https://cern.service-now.com/service-portal?id=outage&n=OTG0074647
11:30:09 From Raul Lopes To Everyone:
I have seen 'cvmfs repo cannot be mounted' in two conditions: (0) after cvmfs update; (1) when OSG VOs need egi-cvmfs [package
11:30:56 From Robert Currie To Everyone:
From testing Alma9 has some wonderful gotchas 😛
11:50:10 From Daniel Traynor To Everyone:
100G move planed for thursday!
11:50:17 From Samuel Skipsey To Everyone:
Hurrah!
11:50:20 From Peter Clarke To Everyone:
Excellent
11:50:38 From Peter Clarke To Everyone:
Let us know if it all work out ok
11:50:46 From Daniel Whitehouse To Everyone:
Very nice! 😄
12:00:43 From WinnieLacesso To Everyone:
Apologies /sorry sorry - gotta go
12:01:58 From Peter Clarke To Everyone:
I have to go also. Have a good Xmas break all.