GridPP Ops 20/6/23

Attending: Gerard H, Daniela B, Rob F, Jose, Brian, JamesW, Jyoti, Daniel T, Daniel W, Dimitrios Toroz, Duncan, Mike L, Luke, Thomas Birkett, Alex R (late), Alessandra , Ian L, Chris B

Apologies: Matt, Gordon, Darren, Raul

Urgent Business

Actions from previous meetings.

Action free.

VO Updates

ATLAS (James):

RAL:

- Issue with exceeding the max number of available file descriptors on WNs, failing ATLAS jobs

T2:

- LANCS: https://ggus.eu/index.php?mode=ticket_info&ticket_id=162222
    - Occasional Issues on WN file upload; still investigating
- RALPP: Transfer failures overnight https://ggus.eu/index.php?mode=ticket_info&ticket_id=162196

CMS (Daniela):

Nothing to report

LHCb: (Mark/Alexander):

All:

- LHCb started testing token auth with HTCondor CEs
    - All sites (even the ones that do not have ARC CEs!) should have received appropriate ticket

RAL T1:

- Strange job kills
    - Reported as memory excess, though according to accounting data there was no excess
- Request to move from service certificate to host certificate for the LHCb VO-box
    - Waiting for a green light from the security team
- Long-lasting issues
    - Slow "stat" calls
    - Vector read
        - Large-scale test started, patched environment was applied to 3 WN gens (usable by LHCb)
            - First generation (2017) looks bad, second (2018) looks perfect, third (2021) is so-so.
        - Roll-out to the rest of the farm is planned for today

T2:

- Pilot submission problem at Liverpool
    - Seems to be resolved
- Cvmfs issues at RALPP
- FTS transfer problems to/from RALPP
    - Database permission issue
- Manchester switched to multicore pilots
    - So far all pilots are failing
        - Some kind of limit is hit?
        - (Alex to open ticket with the particular errors).
        - Number of cores is configurable; 8 is most likely common value
- ETF tests for RHUL CE are failing
- Consistency check for Glasgow.
    - Storage dump is needed to do the check

"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 (JustIN) tests url: https://justin.dune.hep.ac.uk/dashboard/?method=awt-results

SKA:

Rubin:

Other VOs:

General Updates/Discussion

Meeting Updates

Return of HEPSYSMAN Thursday: https://indico.cern.ch/event/1272552/

Atlas S&C last week: https://indico.cern.ch/event/1256378/timetable/

Also EGI OMB meeting last Thursday: https://indico.egi.eu/event/6153/
Highlight was UMD5 (i.e. EL9) status, although I don't think many of us rely on UMD middleware any more.

EGI Conference this week: https://www.egi.eu/event/egi2023/
Co-located is the June GDB: https://indico.cern.ch/event/1225113/

HTCondor workshop in September- registration open: https://indico.cern.ch/event/1274213/

Tier 1 Status

Vector Read fix being applied to remaining WNs

Issue being resolved with 2nd OPN 100GE link enablement

Tier-1 Network upgrade (latest update on top)

6/6/23 2nd 100GE LHCOPN link has been connected to our router, but not handling any traffic yet (although we are intending to add routing information this week).
13/6/23 2nd link should be in production use this week.

29/3/23 The 2020 and 2021 generation WN's successfully moved on to LHCONE last week.

20/3/23 The WN's on the new Tier-1 network will be drained this week to allow them to be migrated on to the LHCONE

Security Brief

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

- Operational update [standing item]
- Site Security Challenges update

Site Security Survey: Thanks for all the responses.

Standing links:
- SOC Hackathon: https://indico.cern.ch/event/1268239/

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 Thursdays

INDIGO IAM Workshop at the end of July: https://indico.stfc.ac.uk/event/763/
- 25th and 26th July at Coseners
- Welcome to join!

Networking News

UK Mesh
Check_MK monitoring
Perfsonar refresh - GridPP Wiki
Dune Mesh

perfSONAR certificate status
perfSONAR issues

Summary

UK mesh is looking sparse (lots of orange/grey). Liverpool, Lancaster, ECDF and Glasgow not showing throughput results as destination.

No or few results seen outbound at RAL-LCG2, Imperial and Durham.

RAL-LCG2 (CTA) showing: “CRITICAL - Connection failed (500 Server Error: INTERNAL SERVER ERROR)”

RAL-LCG2 (CTA) nodes awaiting upgrade to latest version.

Birmingham lost IPv6 connectivity. Also their poor performance was due to a dodgy 10G fibre. Both issues are now fixed.

UCL-HEP: pscheduler not enabled/running. Have emailed Ben.

Performance issues

Glasgow’s IPv6 results much improved.

Jisc London showing some poor inbound throughput results to non-London sites, e.g.

https://psmad.opensciencegrid.org/maddash-webui/details.cgi?uri=/maddash/grids/UK+Mesh+Config+-+UK+IPv6+Bandwidth+-+Throughput/ps001.gla.scotgrid.ac.uk/ps-london-bw.ja.net/Throughput

Bristol showing significant outbound loss (2% over IPv4 and 0.5% over IPv6):

https://psmad.opensciencegrid.org/maddash-webui/details.cgi?uri=/maddash/grids/UK+Mesh+Config+-+UK+IPv4+Latency+-+Loss/dice-io-37-00.acrc.bris.ac.uk/ps-london-lat.ja.net/Packet+Loss

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.
https://uofglasgow.zoom.us/j/94094366747

Technical Update

Standing subjects:
-RHEL8/9 clone experiences:
Rob C is working on a wiki page listing rhel9 tweaks - very useful:
https://www.gridpp.ac.uk/wiki/RHEL9_systems

-HEPSCORE
https://www.gridpp.ac.uk/wiki/HEPSCORE_Site_Status
Alessandra has asked for the DN of one person from each site, in the format of the output of `openssl x509 -noout -in user.crt.pem -subject -nameopt RFC2253`
-XRootD Shoveller Adoption/Other XRoot Monitoring

Duty Report

Tickets

UK GGUS tickets

News

AOB/Feedback for/from the PMB

Glasgow has planned downtime from Wednesday until Friday for physical site reorganisation and updates. Connectivity and service availability will vary between patchy and non-existent during this time, but should be assumed to be non-existent!

Actions/Decisions from This Meeting

- Alex will open ticket to Manchester for LHCb multicore failing pilots issue

Chat Window:

[...]
11:21:14 From Daniel Traynor to Everyone:
RAL and QM connected at 100G
11:28:13 From Jose Caballero Bejar - STFC UKRI to Everyone:
Job killed due memory limits is currently under investigation.