GridPP Ops 18/6/24

Attending: Matt, Gerard H, Rob F, Benjamin Donnachie, Gordon, Sam S, Mike L, Darren M, Dan T, Linda C, LukeK , Robert F, Tom B, Dan W, Wenlong Y, Raul L, Dimitrios T, Brij, Duncan, Rob-C, Mark S, Alex R(late)

Apologies: David C, Daniela, Steven S, Vip

Urgent Business

None

Actions from previous meetings.

None.

General Updates/Discussion

EL7 EOL

- Technical meeting last Friday, everything seems largely in hand:
    - https://indico.cern.ch/event/1426570/

The Countdown ditty is starting to play.

VO Updates

ATLAS (Brij/Jyoti):

General:
- Quite a lot of action due to EOL for SL7

RAL T1:
- RAL-LCG2: transfer failures as a dest and deletion failures Open ggus ticket: 167117
    - On Wednesday 12th June at 10:00 local time, we tried to upgrade our XRootD manager from EL7. After this was completed, we noticed a bug that was causing significant failures that hadn't been spotted in testing. We rolled this change back by 17:00 local time and this appear to resolve the issue.
    - On Thursday 13th June at 11:00 there was a separate problem with our DNS and NTP service that cause similar errors when trying to access Echo (as well as many other services). This was resolved by 15:30.

- Transition on going.

T2s:

- Meeting notes from ATLAS Cloud support weekly
- - Open ggus tickets - in progress
  - UKI-SCOTGRID-GLASGOW_CEPH: almost all jobs have failed in the past 2 days 167142 (Open since sunday 16th)
    - SS: this was one of our xrootd endpoints "silently getting stuck" again, in a way which the redirector couldn't detect…
  - UKI-NORTHGRID-LANCS-HEP-CEPH: failed jobs with stage-in errors (source not found)167136
    - Awaiting reply (Solved last night)
  - (Resolved) UKI-NORTHGRID-MAN-HEP: pilot cvmfs failures 167125
  - New ATLAS token issuer configuration for SE 166643
    - Ongoing
  - UKI-SCOTGRID-GLASGOW transfers errors 166202
    - Ups and downs
  - UKI-LT2-QMUL: Enable token support for storage 165967
    - Escalated to Storm developers
    -
  - UKI-LT2-RHUL: Squid degraded (opened today) 167156

CMS (Daniela):

Nothing to report.

LHCb (Alexander):

General:

- ETF tests
  - Problems with GridFTP-based tests for ARC
    - RAL, RALPP, Oxford and ECDF switched to https in prod
      - Resulted in improvement for Oxford and RALPP
        - ECDF passing tests as well, but the reason is probably different

RAL T1:

- Network issue between RALPP and RAL
  - Solved
- Problems with ECHO

        - Last Wednesday network reconfiguration was applied, and redirector's OS upgrade to EL8
            - Resulted in instability and caused a lot of failures
            - Failures continued throughout the weekend and stopped on Monday morning.
    - CVMFS Stratum-1 issues
        - Not affected LHCb jobs, as far as i can see
    - Vector read optimisation (follow-up on the GGUS ticket)
        - Tried to submit stress-test for local xrootd GWs yesterday
            - Worked fine, but number of simultaneous running jobs was less than expected due to queuing

T2:

- Pilots are failing at ECDF
    - A lot of pilots are still killed
- Jobs are failing at Sheffield
    - No updates
- ETF tests are failing for Lancaster
    - Waiting for the final A&R report with recalculation
- ETF tests are failing for Glasgow
    - Looks like a permission problem, but it is not(?)
        - Tests are trying to execute `PROPFIND` request on `/cephfs/lhcb` directory
- Token-based job submission is being set up for RALPP
    - The issue might mitigated by switching to standard port
        - Which is in progress

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

- OSG has been pinged about the new EL9 CEs, no updates yet
- Noted that DUNE submission system doesn't look at gocdb for downtimes.

Other VOs:

Please find the token configuration info here:
https://www.gridpp.ac.uk/wiki/Dirac_GridPP_DIRAC_Tokens
Daniela: I know I still need to test Liverpool wrt token and DIRAC, unfortunately I have been swamped with other stuff.

Meeting Updates

The next IRIS Collaboration meeting has been scheduled for **July** 2 & 3 at Imperial College (need to arrange our own accommodation).
https://indico.ph.qmul.ac.uk/indico/conferenceDisplay.py?confId=2018

GridPP52 - usual week in August, 28th-30th, at Ambleside.
Standby for the registration etc (we're just starting looking at this now)
Anyone on WP-D activity should expect to be asked to present on their WP-D activity in a session dedicated to that.

FTS XRootD dev workshop hosted at RAL (Cosners) this year, 9th-13th of September.
https://indico.cern.ch/event/1386888/registrations/103332/
No need to actually pay if you're GridPP funded (as it will be done behind the scenes).

CHEP Abstract acceptance notifications should have been received yesterday evening.
Or this morning, depending on the Track… (Track 1 and 4 did all their stuff on time ;))
Funding will be discussed in the next PMB, 50% funding "likely".

WLCG Ops Coordination meeting last week:
https://twiki.cern.ch/twiki/bin/view/LCG/WLCGOpsMinutes240613
-discussion on IAM migration, XRootD monitoring, and a reminder that GGUS will be going away at the end of this year.

Research Network Engineering Community Call this Friday at 2pm, with a presentation from SKA: https://www.jisc.ac.uk/get-involved/research-network-engineering-rne-community-group

Tier 1 Status

There was a major incident with CVMFS this week. In overview, this comprised the following:

1. All CVMFS components use DENEB, which is in the CLOUD network. Because of that, when the CLOUD network was broken last week, DENEB got unmounted from all CVMFS components (Uploaders, Stratum-0, Stratum-1). Some hosts we in a corrupted state, requiring a full reboot. However, by Thursday evening, all hosts were recovered.
2. The reboot mentioned in section 1 above revealed another issues. A recent change in SSH configuration in Quattor conflicted with the setup for the Uploaders. That prevented the Content Managers from being able to ssh into the Uploader with authN/authZ delegated to EGI CheckIn. Old fashion gsissh access was still functional. @Jose Caballero Bejar fixed this problem on Monday morning (17/6/24).
3. Since Friday afternoon (14/6/24), the part of DENEB dedicated to CVMFS has become read-only. This was discovered that this morning. As a consequence of that:

- No new content can be added to the repositories we maintain (EGI, GridPP). Users have been notified by email about that.
- Latest EGI configuration (adding the address for a StashCache server in France) is not being distributed worldwide.
- Stratum-1 is not able to update content for any repository. Most probably many jobs in the UK have failed over the weekend due to the fact they couldn't get the latest version of their repository content. [Same behaviour was saw last year] I have disabled the Stratum-1 until DENEB is fixed.
- Grid Services got some GGUS tickets and alerts from EGI over the weekend.
- The Tier-1 Production Team declared an Unscheduled DT for both Stratum 1 and 0 on the Monday which was scheduled to end 1730 UTC on the Tuesday (18/6/24)
- At the end of Monday 17/6/24 the root causes of this incident had been identified and resolved. However, both Stratums have been kept "off-line" for the duration of the DT to allow them to resync.

Security Brief

Advisories: https://advisories.egi.eu

- Operational update [standing item]

Some discussion on Benjamin's messages to security-discussion. Containerisation was mentioned as an option.
ARC7 reduces it down to just the https REST interface.

Some discussion of networks, access and exposure.
-something for a tech meeting
-mentioned that getting some dev time would be useful, even to gain an understanding.

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

- INDIGO IAM Hackathon took place on the **29th and 30th May, 2024** at **CNAF, Bologna**, event indico at: https://indico.cern.ch/event/1401472/

Networking News (Duncan)

UK Mesh
Check_MK monitoring
Dune Mesh
perfSONAR certificate status
perfSONAR issues (the newer doc)

perfsonar 5.1 has been released. Several hosts in the UK mesh have upgraded (QMUL, Lancs, Oxford, RALPPD) but most have not (RHUL, UCL, Liv, Mancs, ECDF, Bham, Sussex1, Sussex2)), no response from Durham and Glasgow.

Those who hadn't updated likely had auto-update off. Those present will take a look - Mark already updated during the meeting.

Noted 5.1 is only available on EL9, not EL8.

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

Meeting as usual tomorrow. Follow up on everyone's plans for migration.

IPv6 Everywhere

A call for v6 on all services is here:
For our records: Terry's v4/v6 translation work

Twiki for WN IPv6 status - https://twiki.cern.ch/twiki/bin/view/LCG/WlcgIpv6#IPv6Comp

Jumbo Frames/LHCONE/BGP Communities.

- Any news? Lancaster is going to discuss the possibility of Jumbo frame alongside our upgrade to 100Gb (as discussed offline with Chris W).

Some discussion about how entangled these are. Should take care to disentangle them.

Technical Update

Standing subjects:
-Documentation cleanup

Reminder to forward any articles to Darren as per his email from a while back.

-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
Also see Rob's work on ARC:
https://www.gridpp.ac.uk/wiki/ARC6_EL9

-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`

Tickets/ROD

UK GGUS tickets
65 Open UK tickets, I had a bit of a tidy.
Still need to chase a few sites.

News

None

WLCG CentOS7 repo update

Any more thoughts on this from last week? The WLCG repos are going to be almost a dumping ground for a while.

AOB/Feedback for/from the PMB

None

Actions/Decisions from This Meeting

No hard actions.

Chat Window:

11:25:12 From Linda Cornwall - STFC UKRI To Everyone:
 https://blog.morphisec.com/cve-2024-30103-microsoft-outlook-vulnerability
11:26:45 From Thomas Birkett - STFC UKRI To Everyone:
 Other desktop operating systems are available.
11:28:18 From Daniel Traynor To Everyone:
 in principle the gocdb should have all the ip address ranges that make up the grid
11:28:59 From Robert Currie To Everyone:
 containers :P
11:29:06 From Luke Kreczko To Everyone:
 Replying to "Other desktop operat..."

 you mean like WSL? ;)
11:30:50 From Luke Kreczko To Everyone:
 by design, we block everything we know nothing about ;)
11:44:22 From Duncan Rand To Everyone:

https://ps-mesh.perf.ja.net/grafana/d/a1f54978-5bfb-5d36-a533-8dc433208466/example-tests?orgId=1
11:45:58 From Mike Leech To Everyone:
 Sorry guys. Gotta dip.
11:49:33 From Mark Slater To Everyone:
 Bham is now running perfSonar 5.1 🙂
11:54:21 From Daniel Traynor To Everyone:
 at 100G the limitaion of 1500 frame size becomes more obvious
11:56:32 From Brij To Everyone:
 :D that's so nice of you Matt