

GridPP Ops 5/3/24

Attending: Matt, Duncan, Gerard, Raul, Tim, Linda, Duncan, Dimitrios, Vip, Alex, DanW, Steven, Gordon, PeteC, Wenlong, Emanuele, Rob-C, , Mark S, Dwayne, Brian

Apologies: Daniela, Jyoti (in training)

Urgent Business

None

Actions from previous meetings.

270224-01 - Matt, start ARC documentation page in confluence.
-no progress yet.

270224-02 - Sam, Matt - liaise with Alastair over future tech meeting subjects.

General Updates/Discussion

**GRIDPP51/SWIFT-HEP JOINT COLLAB MEETING - 26th to 27th MARCH, SHEFFIELD.
(25th for PMB)**

REGISTRATION IS CLOSED (AGENDA currently in progress...).

Let Sam and Jill know if you need to change stuff.

<https://indico.cern.ch/event/1366954/>

APEL issues.

-closing this off, but would encourage recording of issues and fixes.

VO Updates

ATLAS (Jyoti):

- General news:

- HammerCloud:
 - [hammercloud-ai-11 - certificate had expired, RQF2587232](#).
 - HammerCloud tests were stopped (starting from the evening of 03 March) for some time.
 - Came back to normal yesterday around 16:00 hrs (CET).
 - GGUS: a new release was planned last week (28 February), [GOCDB:34850](#).
 - *atlact1* service account:
 - Not sure how people got the password!
 - It will be changed.
 - Rucio: latest dumps/reports not available (as of last Friday); being investigated.
 - OS migration for Switcher3: [CSOPS-2204](#).
- Tier-1:
 - [GGUS-165475](#):
 - RAL-LCG2: 0% efficiency in deletions; **in progress**.
 - **The problem could be further alleviated with the new load balancing algorithm, which is scheduled for this week.**
 - More errors were seen lately (DDM is not solved yet; [link](#)).
 - New balancer algorithm was applied – backlog cleared ([monit](#)).
 - Likely to be solved this week.
 - Bad checksum file spotted at CERN:
 - **davs://eosatlas.cern.ch:443/eos/atlas/atlasdatadisk/rucio/mc16_5TeV/a6/bc/AOD.34700737._000554.pool.root.1**
 - Transfers to Antares are failing with source error: `Error reason: TRANSFER [5] SOURCE CHECKSUM MISMATCH Source and user-defined ADLER32 do not match (00000000 != d13dd51f)`
 - Links: [log](#); [Monit](#).
 - DDM Ops were informed and the replica at CERN was found to be of 0 size; was declared bad yesterday (around 14:00 hrs UK time).
 - Tier-2s:
 - [GGUS-163552](#):
 - Timeouts in transfers as a destination and in deletions at UKI-SCOTGRID-GLASGOW; **in progress**.
 - The most recent update (27 February) was about the very low deletion efficiency, [link](#).

- dCache well over the watermark during last week.
 - There will be a follow-up from GLASGOW soon (?)
 - DC24 is over, any plan for closing this long standing ticket?
- LANCS HammerCloud exclusions last weekend.
 - Unhappy XRootD.
 - Root cause unhappy CEPH
 - Yesterday, there were also some more exclusions after HammerCloud tests came back.
- Lost data @DURHAM -- rebuilding storage elements ([ATLDDMOPS-5680](#)).
 - Not much of an update yet.
 - Going to run a full shutdown this week.
 - Have an ATLAS pool built and the idea is to see if everything works when it comes back up.
 - If not, it will be reported, it's all buggered.
 - If it works it will be reported on the JIRA to move to the next test.
 - DURHAM is currently off (since 22:00 hrs yesterday) – no ATLAS jobs; blacklisted on HammerCloud. Might get mentioned on GOODB.
- LIV seems to be talking to old servers, which might be responsible for the SAM3 test failures (just a hunch at the moment, needs confirmation.)
- The pledge lines are/were missing from the [Job Accounting \(UK Cloud\)](#) plots, as of 09:00 AM today!

CMS (Daniela):

Imperial apparently also not publishing accounting records and CMS has noticed:

https://ggus.eu/index.php?mode=ticket_info&ticket_id=165483

Monitoring page (<https://goc-accounting.grid-support.ac.uk>) still offline (this was first reported in January). Assigned the ticket straight to APEL.

There was great progress on the T3 token tickets (e.g.

https://ggus.eu/index.php?mode=ticket_info&ticket_id=162830), apparently closing them is the only way to CMS' attention. Unfortunately it still looks like CMS does not have a handle on their ETF tests, a spot check on Monday afternoon found no working ARC-CEs-with-tokens, despite the fact that from a DIRAC perspective I know these sites work with tokens. And we didn't even want them.

CMS has now submitted their own ticket for it:

https://ggus.eu/index.php?mode=ticket_info&ticket_id=165493

The handling of these tickets is somewhat at odds with the CMS party line as given out on the T2 list yesterday: “The big transition to VOMS to IAM is in progress, see WLCG’s timeline for this [here](#). There’s a lot to do here, but EGI sites should wait to hear about what to do via a ticket campaign, and OSG sites can expect an RPM update that will address the matter. There’s also a suggestion to switch back to X509-based transfers for a while now that DC24 is over, but this is still under discussion; I’d say don’t jump on it yet.”

LHCb (Alexander):

DC24:

- Cleanup finished: all files copied during DC24 have been removed
- 4 files from Antares and 3 files from IN2P3 were lost after the writing part
 - Probably due to FTS problems

RAL T1:

- Some problems with file uploads from RAL WNs to ECHO
 - Seems to be due to ECHO gateway problems
 - Looks better since yesterday morning, when new load-balancing mechanism was deployed
- Vector read optimisation (follow-up on GGUS [ticket](#))
 - No updates
- Token [setup](#)
 - No updates
- Long-lasting issues
 - [Slow](#) “stat” calls
 - Patched xrootd version to be deployed this week (at least partially)

T2:

- Jobs are [failing](#) at Sheffield
- ETF tests are [failing](#) for Lancaster
 - Still waiting for a few sites to fix their SEs to allow storage tests from the new tests suite to pass
- Preprod ETF tests are [failing](#) for Glasgow
 - Looks like permission problem
- Pilot submission [problem](#) at Durham
 - Still in the “assigned” state (for almost 3 weeks!), needs reaction
- [Failed](#) pilots at Bristol
 - Looks better since the 23rd of Feb
 - Ticket is still in the “assigned” state, needs reaction
- Pilot submission [problem](#) at Manchester
 - Looks OK

- Some files are [inaccessible](#) at Manchester
 - DFC dump is ready, storage dump needed

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>
- UK DUNE Computing meeting (informal) yesterday

Other VOs:

Tokens: We are now rolling out pilot job tokens for all VOs supported on the GridPP DIRAC server.

Please find the configuration info here:

https://www.gridpp.ac.uk/wiki/Dirac_GridPP_DIRAC_Tokens

I made it a Wiki, so if someone has some words of wisdom on particular quirks of the CE configurations, please add them here.

Done: Oxford, RHUL, Birmingham, Imperial, Glasgow, CERN (NA62), QMUL, Lancaster, RALPP

CERN dragging their heels on providing an IAM server for Moedal:

https://cern.service-now.com/service-portal?id=ticket&table=u_request_fulfillment&n=RQF2470783

Tier 1 now also ticketed, but no ETA yet.

Meeting Updates

This month's GDB postponed until ISGC.

Also ISGC: <https://indico4.twgrid.org/event/25/>

WLCG Workshop in May 13-17 in Hamburg (DESY) [WLCG/HSF Workshop 2024 \(13-17 May 2024\): Overview · Indico \(cern.ch\)](#)

The next IRIS Collaboration meeting has been scheduled for June 3 & 4 at Imperial College.

HEPIX in Paris, 15th-19th of April: <https://indico.cern.ch/event/1377701>

LHCONE OPN 9th-11th April

<https://wiki.geant.org/display/SIGNGN/14th+SIG-NGN+Meeting>

DOMA tomorrow with some DC24 initial feedback: <https://indico.cern.ch/event/1388176/>

Tier 1 Status

- New Load Balancing Algorithm solved ATLAS data deletion issue.
 - More stable Sam/internal GW testing
 - (still need to solve when under extra heavy load)
 - Should help LHCb upload failures
- ATLAS Data Carousel almost as intensive as DC24 for IO load into Echo
 - From Antares and remotely from T1s
- '24 Disk pledges applied
- Reduced Batch Farm Capacity this week due to Upgrades (BIOS and docker)
- Discussion with CMS with their plan to try to overload WN to optimise CPU usage
- Investigating decommissioning of gridftp on Echo

Interesting side discussion on gridftp.

Security Brief

Advisories: <https://advisories.egi.eu>

- Operational update [standing item]
- SOC Hackathon registration open: <https://indico.cern.ch/event/1370544/>

- DRI Cybersecurity Workshop (23rd and 24th of April)
- Migration from EL7

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/WLCAuthorizationWG>

Indico Category: <https://indico.cern.ch/category/68/>

Mailing list egroup: project-lcg-authz

Note - AuthZ meetings moved to fortnightly Thursdays

Networking News

[UK Mesh](#)

[Check_MK monitoring](#)

[Dune Mesh](#)

[perfSONAR certificate status](#)

[perfSONAR issues](#) (the newer doc)

Jisc team in meeting with perfsonar devs yesterday. The grey on the maddash is possibly due to maintenance on the central archiver.

Sussex have a new host: <https://grid-perfsonar2.hpc.susx.ac.uk/toolkit/> which is being commissioned.

Imperial testpoint was showing results on the CERN Monit page:

https://monit-grafana-open.cern.ch/d/-SMRsAx7z/perfsonar-h2h-performance?orgId=16&var-src_bw=lt2ps00-bw.grid.hep.ph.ic.ac.uk&var-src_lat=lt2ps00-lat.grid.hep.ph.ic.ac.uk&var-dst_bw=gridpp-ps-band.ecdf.ed.ac.uk&var-dst_lat=gridpp-ps-lat.ecdf.ed.ac.uk&var-dst_bw1=perfsonar-bandwidth.esc.qmul.ac.uk&var-dst_lat1=perfsonar-latency.esc.qmul.ac.uk&var-dst_bw2=ps-london-bw.perf.ja.net&var-dst_lat2=ps-london-lat.perf.ja.net&from=now-7d&to=now

it won't show any on MaDDash.

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 tomorrow.

XRoot 5.6.8 officially out. Fireflies now work.

-Tim notes that the collector is being rebuilt by Raul.

Tim notes work on the Fireflies - v6 specific methods for marking every packet being looked at.

IPv6 Everywhere

A call for v6 on all services is here:

<https://indico.cern.ch/event/1341866/contributions/5649115/attachments/2744834/4775731/IPv6%20compute%20deployment%20ops%20coord.pdf>

For our records: [Terry's v4/v6 translation work](#)

See network forward look.

HEPiX IPv6 WG call last Wednesday - <https://indico.cern.ch/event/1352163/>.

Next call is on 18 January.

Twiki for WN IPv6 status - <https://twiki.cern.ch/twiki/bin/view/LCG/WlcpIpv6#IPv6Comp>

A Tech Meeting was called for discussion on v6 solutions, now we're in the ADC24 era we'll arrange.

Call from Dave K to send him any showstoppers or concerns so he can share them at the HEPiX working group.

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

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`

-XRootD Shoveller Adoption/Other XRoot Monitoring

-the endpoint we're supposed to be shovelling to seems a bit unstable.

-will re-awaken this.

Tickets/ROD

[UK GGUS tickets](#)

60 Open Tickets

https://ggus.eu/index.php?mode=ticket_info&ticket_id=165468 - for info, the Brunel DPM decommissioning ticket.

ROD Dashboard okay.

News

Pete G asks for any input for the IT Facilities HEPiX working group, please send to PeteG or pop along to HEPiX yourselves to give a talk. (see Pete's email).

AOB/Feedback for/from the PMB

AF asks if sites have any site-specific network plots for the data challenge, to go in the GridPP51 talk and the WLCG retrospective.

-2 big conclusions: FTS needs to be rewritten, the bottlenecks are at the site storage.
Some discussion.

Actions/Decisions from This Meeting

No hard actions, please email DaveK/PeteG/Alessandra with any relevant information in their areas.

Chat Window:

11:26:38 From Dwayne Spiteri To Everyone:

HEPIX

<https://indico.cern.ch/event/1377701>

11:26:55 From Tim Chown To Everyone:

<https://wiki.geant.org/display/SIGNGN/14th+SIG-NGN+Meeting>

11:27:59 From Tim Chown To Everyone:

Also DOMA tomorrow with some DC24 initial feedback - <https://indico.cern.ch/event/1388176/>

11:33:10 From Daniel Traynor To Everyone:

storm still has gridftp

11:33:41 From Daniel Traynor To Everyone:

may be dropped in the upgrade to rocky9

11:34:49 From Alessandra Forti To Everyone:

In ATLAS no site used it

11:36:00 From Daniel Traynor To Everyone:

nothing but ops tests in the last 3 months

11:37:09 From Alessandra Forti To Everyone:

Ops tests are egi I think?

11:38:12 From Daniel Traynor To Everyone:

if its an endpoint in gocdb they will still test it

11:45:23 From Daniel Traynor To Everyone:

your hexing me

11:50:25 From Robert Currie To Everyone:

[https://fts.monitoring.edi.scotgrid.ac.uk/app/dashboards#/view/5350d510-ffa0-11ed-984a-f3f8e562cb8e?_g=\(filters:!\(\).refreshInterval:\(pause:!t.value:0\).time:\(from:now-3w.to:now\)\)](https://fts.monitoring.edi.scotgrid.ac.uk/app/dashboards#/view/5350d510-ffa0-11ed-984a-f3f8e562cb8e?_g=(filters:!().refreshInterval:(pause:!t.value:0).time:(from:now-3w.to:now)))

11:50:57 From Steven Simpson To Everyone:

17GB for shoveler queue; 38mil entries

11:56:15 From Daniel Traynor To Everyone:

when thy come out with a ei9 version of StoRM