

GridPP Ops 19/3/24

Attending: Matt, Daniela, Gerard, Tim C, Gordon, Dwayne, Steven S, Emanuele, Rob F, LindaC, Mark S, Vip, Wenlong

Apologies: Alex, David C

Urgent Business

None

Actions from previous meetings.

270224-01 - Matt, start ARC documentation page in confluence.

-Made an absolute minimum start: <https://gridpp.atlassian.net/wiki/x/BADeAQ>

-Led to discussion about the home for future documentation.

-Note apparent lack of googleability

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

-After Easter now

General Updates/Discussion

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

Next week!

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

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

New VOMS/token config ticket campaigns.

A “resonance” in GridPP VO renewals.

Dan puts a note in chat about UMD5. It looks like “only” the bdii can’t be got elsewhere.

VO Updates

ATLAS (Jyoti):

- General news:
 - Post-DC24 exercise:
 - RAL turn was yesterday (18 March).
 - [Link to the site-wise GGUS tickets](#).
 - **Reminder** – T1 written reports on DC24: sites should submit the reports to DOMA. **The deadline is 26 April 2024.**
 - Scheduled upgrades for today:
 - fts3-atlas upgrade ([OTG0149009](#)).
 - EOS ATLAS upgrade – [OTG0148953](#).
 - Upcoming (01 April) – @ 14:00 CEST decommissioning of old Rucio authentication servers, [ELisA:8308](#).
 - On 21 March, a public meeting on the Oracle Database Service ([Indico:1392202](#)).
- Tier-1:
 - CERN->RAL post-DC24 test:
 - Write to Antares (tape).
 - Preliminary RSE tests (last Friday) went well.
 - Test started yesterday around 13:30 hrs (UK time).
 - [GGUS-165529](#)
 - T0-T1 test repetition (RAL-LCG2); **in progress**.
 - Agreed to use [RAL-LCG2 TAPE-TEST](#) with the path that is already configured with `/eos/antares/prod/atlas/simRaw/atlasgrouptape/test/` which is now associated with the previously used "atlchall22" storage class.
 - Related DDMOps ticket, [ATLDDMOPS-5683](#) – Deleting datasets from test tape.
 - **davs** was used for the test; [DDM plots](#).
 - Observations:
 - **Regular rates at 28 Gb/s (expected rates 44 Gb/s) in the first 3 hours (possibly FTS limits had to be tweaked) but the deletions kicked in and deleting from tape is a complex operation which leaves the file on tape.**
 - **Rucio checks for the file's existence and moves on if it finds it. This is reflected in degraded rates and it is not possible to**

change this behaviour. For the general transfers we will need a larger tape family to avoid deletions.

- IPv6 has been enabled on the workernode lcg2483.gridpp.rl.ac.uk.

- Tier2s:
 - [GGUS-165583](#)
 - UKI-NORTHGRID-LANCS-HEP: Huge transfer failures as destination; **in progress**.
 - **FTS reverted to default, 300.**
 - The plan was also to put a new MDS server in production on 18 March and 3 new disk servers which should improve the situation further.
 - About midway through the weekend, it switched from a lot of group production to simulation.
 - Transfer volume decreased from the evening of 16 March. General feeling is that the system isn't being stressed.
 - HammerCloud tests have been fairly stable lately.
 - [GGUS-165886](#)
 - Transfer failures to UKI-SCOTGRID-GLASGOW; **assigned**.
 - **Less urgent!**
 - Came up during the weekend – [Monit link](#).
 - Action expected from GLASGOW soon.
 - Lost data @DURHAM -- rebuilding storage elements [[ATLDDMOPS-5680](#)):
 - Updates likely within this week (last update was about a month ago)?
 - BHAM draining last week:
 - Had to do an emergency drain on 13 March as they had a water leak in an air con unit.
 - Things were brought back gradually and looking good now!
 - QMUL is looking good – the misbehaving server is fixed now?
 - SHEF: A sizable amount of jobs were failing last week; they were not ticketed!
 - Any follow-up?
 - ECDF_CLOUD has had frequent HammerCloud exclusions recently.
 - Downtime:
 - RALPP – 15-22 March, Test Updating ArcCE to EL9 – [GOCDB:35119](#).

- RHUL – 19 March, VMserv5 SSD upgrade – [GOCDB:35139](#).

CMS (Daniela):

It's very very quiet.

CMS continues to debug their own tests:

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

LHCb (Alexander):

RAL T1:

- Vector read optimisation (follow-up on GGUS [ticket](#))
 - No updates
- Token [setup](#)
 - No updates
- Long-lasting issues
 - [Slow](#) “stat” calls
 - Solved!

T2:

- Jobs are [failing](#) at Sheffield
 - New pilot version was deployed yesterday
 - No improvement, unfortunately
- 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
 - Ticket needs reaction
- [Failed](#) pilots at Bristol
 - Ticket is still in the “assigned” state, needs reaction
- Pilot submission [problem](#) at Manchester
 - Solved by timeout increase
- [Failed](#) pilots at ECDF
- Token submission is [being setup](#) for being set up for RALPP
- Some files are [inaccessible](#) at Manchester
 - Consistency check finished, lost files were re-replicated
- Consistency check for Liverpool, Imperial and QMUL are in progress
 - All sites provided storage dumps (many Thanks!), now it's up to me to check

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>

NTR

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.

Testing Manchester.

LSST/DESC - The user is planning on signing up for the gridpp VO to do some preliminary tests and look towards the creation of an "lsst-desc" VO, as this work is separate from the current lsst workflows.

Meeting Updates

RNE call this Friday with a talk from the Globus people:

<https://jisc.zoom.us/meeting/register/tJcoceygpjMjGd3KvdbSHl612i6wHTOoFrFv>

ISGC next week: <https://indico4.twgrid.org/event/33/>

GDB co-located: <https://indico.cern.ch/event/1371720/> (agenda currently sparse)

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

Early bird ends end of March -please get in for this if you can.

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>

EGI OMB this Thursday (at midday): <https://indico.egi.eu/event/6449/>

(some more discussion on UMD5, the repos don't allow browsing...)

CHEP call for abstracts open. In Krakow this year.

Missed from last week's meeting:

WLCG Ops Coordination: <https://twiki.cern.ch/twiki/bin/view/LCG/WLCGOpsMinutes240307>

EGI Ops: <https://confluence.egi.eu/display/EGIBG/2024-03-11+notes>

Tier 1 Status

A "business as usual" week for RAL. No major incidents or issues of note.

Currently, there is an intervention ongoing with Echo that will finally see all Echo hosts moved off the Tier-1 legacy network. This intervention will/should be transparent to service users.

Security Brief

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

- Operational update [standing item]
- SOC Hackathon: <https://indico.cern.ch/event/1370544/>
- DRI Cybersecurity Workshop (23rd and 24th of April)
- Migration from EL7

SOC hackathon this week (today) at CERN.

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

A lot of recent meetings in this space. An interesting note from last week's AuthZ meeting about EGI Check-in possibly adding in voms support as an alternative to the EGI VOs all rolling an IAM server.

dteam IAM server: <https://dteam-auth.cern.ch>

On the future of the UK voms:

The UK definitely doesn't want N(VOs)x3 IAM servers. Other communities also don't want to go down this way. "Community IAMs" would be a useful thing.

Need to open a ticket to the devs for this.

Networking News

[UK Mesh](#)

[Check_MK monitoring](#)

[Dune Mesh](#)

[perfSONAR certificate status](#)

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

The UK mesh is still in need of some TLC. Upgrading to EL9 remains highly recommended.

Raul updated the Jisc server at Slough to perfSONAR 5.1 beta. It is now showing initial test results in the new Grafana view: <https://ps-slough-lat.perf.ja.net/>. The toolkit page will now redirect here.

An important addition to the new "toolkit" view is the Host Info button - e.,g., for SLough this takes you to a page that shows perfSONAR system status, and host resource status - <https://ps-slough-lat.perf.ja.net/grafana/d/eb96563b-0d93-4910-be3c-5be331a00339/perfsonar-host-metrics?orgId=1>.

Some security fixes for 5.1 are also pending.

Raul also installed new hardware which will allow us to host perfSONAR measurement meshes, using the new Grafana views available in 5.1. We have some HPC sites in mind, and we will also explore hosting a parallel GridPP mesh this way.

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>

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>

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`

Tickets/ROD

[UK GGUS tickets](#)

Too many tickets (over 80!). Please get round to the two campaign tickets sooner rather than later.

News

No news.

AOB/Feedback for/from the PMB

No meeting next week (GridPP51). Opinions on whether we should have a meeting the week after (2nd April) - i.e. right after Easter?

-looking like no meeting.

Actions/Decisions from This Meeting

No hard actions. Meeting on the 2nd of April cancelled as many Universities closed.

Chat Window:

11:04:57 From Daniel Traynor To Everyone:

I note still no UMD5. To some extent we just go to the source repo (cvmfs, squid, wlcg, epel...) are there any tools still missing? (e.g. bidi)

11:18:51 From Daniela Bauer To Everyone:

Simon managed to make the bdii work on Rocky 9 (just pulled out of EPEL I believe).

11:19:40 From VipDavda To Everyone:

UMD 5 is available - <https://repository.egi.eu/umd/distribution.html?id=5.0.0#5.0.0> for BDII

11:26:28 From Daniel Traynor To Everyone:

IK've been using the wlcg vo to test tokens but its dteam available yet for token testing? link?