

GridPP Ops 16/4/24

Attending: Matt, Tim C, Gerard, Steven S, Rob F, Alex R, Emanuele, Linda C, Gordon

Apologies: Daniela (on too many committees), Wenlong, Sam, The Oxford Lads, David C, Raul (travelling)

Urgent Business

None

Actions from previous meetings.

270224-01 - Matt, others. Documentation "spring clean"/purge/move to confluence

Some discussion on which docs need moving/updating/adding:

- Approved VO page.
- HTCondor accounting page was useful. It's currently "up to date enough". Mark volunteered to make the update.
- The "Introduction to DIRAC" page for users.
- The DIRAC admin page (for well, the admins)
- NFL pages.

-Lack of googleability of confluence noted a problem, at the very least need a good index page

-removing "deadwood" from wiki should be done in parallel.

-suggests a flag, anything not flagged gets deleted.

-need to find out the longevity of twiki in its current form.

-survey of the twiki.

Matt will survey and flag the wiki.

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

-need to try to give more than a few days' notice for future meetings.

General Updates/Discussion

EL7 EOL

Less than 11 weeks to go. What are site statuses with the move to EL7? How many more queues do we have to move?

Mark some concern about EOS. OS upgrade needs an EOS version upgrade.

Liverpool still on C7, leaving to closer to the deadline as need to learn how to rebuild everything.

Dan asks what is needed? cvmfs and...

heposlibs only?

Sussex Help

Anyone able to help with the query to TB-SUPPORT? Anyone using ansible to deploy their ARC CEs?

VO Updates

ATLAS (Jyoti/Brij):

- General news:
 - GPU testing: CUDA version is getting upgraded, e.g., [GGUS-166190](#), [GGUS-166191](#).
 - Problem with EliSA, [CSOPS-2249](#) – rolled back to the previous version.
 - CERN EOS compute problem some Docker privilege issue for releases in EL9 containers (r24/25).
 - EL9 nodes work – 65% and growing, can speed up, so maybe not worth investigating.
 - [CERN-ARM](#) has x86 cmtconfig again – discussions ongoing to fix it.
 - P1: EL9 dev harvester had no limits set so picked up jobs and had no resources to run them. Added limits and killed starting jobs.
 - [CHEP 2024](#) registration is open!
 - DC24 follow-up meeting will be next week.
- Tier-1:
 - After the batch farm firmware upgrade last week, RAL seems to be running normally, *i.e.*, around its pledge.
 - Following a recent survey from the WLCG, we are keeping an eye on the HIMEM jobs @RAL – [link](#).
 - It seemed RAL was not allocated enough HIMEM jobs!

- Internal discussions (last week) on RAL tape usage in order to stay prepared during the data taking.
 - Total Pledge: ~71.4 PB.
 - MC TAPE: Storage ~43.7 PB; Used ~34.4 PB.
 - DATA TAPE: Storage ~27.7 PB; Used ~22.0 PB.
- Tier-2s:
 - Upcoming QMUL Data Centre Refurbishment.
 - A JIRA ticket was opened, [ADCINFR-268](#).
 - [DATDISK/Storage](#).
 - The DDM Ops will take care of the LOCALGROUPDISK – [link to all UK LOCALGROUPDISKs](#).
 - QMUL has been removed as a Nucleus.
 - **Estimation of unique data size and time needed to relocate: ~ 2.5 PB, 2 weeks.**
 - BHAM_VP monitoring issue:
 - Confirmed that it's been running useful jobs.
 - XCache logs checked and they seemed to be functioning correctly.
 - Still blacklisted on HammerCloud!
 - Any news/observations after the weekend from Mark?
 - What's next?
 - MANC_GPU looked good again during the weekend, not many HammerCloud exclusions after mid-Saturday.
 - The behaviour was more or less the same last week!
 - Any idea(s) why this is/might be happening?
 - At QMUL cuda automatic updates are disabled, as they can break things, but otherwise just works.
 - [GGUS-165959](#)
 - UKI-NORTHGRID-LIV-HEP: Enable token support for storage; **in progress**.
 - Plan of action (hopefully by this week): to update the dCache version they have installed.
 - [GGUS-165967](#)
 - UKI-LT2-QMUL: Enable token support for storage; **in progress**.
 - The storm SEs have been updated – set up with <https://atlas-auth.web.cern.ch/>
 - Can't update the XRootD for token support until a new EL9 version is installed (will be available by June).
 - [GGUS-166202](#)

- UKI-SCOTGRID-GLASGOW transfers errors; *solved* initially but *reopened* after some time; **waiting for reply**.
- First solution: seemed to be a phenomenon in XRootD 5.6.2 where it decided that it just can't trust SSL after a while of being up (about 2 weeks of uptime). Restarted all the XRootD gateways, which seemed to have resolved the issue.
- After reopening:
 - It is not clear why XRootD is becoming so sad about SSL connections on the external gateway.
 - (The internal gateway that jobs talk to seems to be fine?) There's not even any particularly high load on the servers - they're just apparently not happy to make connections.
 - Has anything changed on the ATLAS side with certificates or something? **Input from ATLAS is needed!**
 - Site advertises IPv6 but it is not reachable with this protocol!
 - Passed on to the campus team.
- Job Accounting (UK Cloud):
 - On 15 April around 09:00 AM –
 - SHEF was without any jobs!
 - SUSX was quite low.
 - ECDF and GLASGOW were also low.
 - SUSX and SHEF are back on 16 April, and looking good.
 - ECDF is jobless now!
- ECDF and ECDF_CLOUD look very bad on HammerCloud tests.

Major link problem between Edinburgh and Glasgow at the moment.

CMS (Daniela):

Unacknowledged ticket at Bristol:

https://ggus.eu/index.php?mode=ticket_info&ticket_id=165279

Outdated config file at Oxford: https://ggus.eu/index.php?mode=ticket_info&ticket_id=166186

For any Tier3, it's probably worth notifying your closest Tier2 immediately on receiving a ticket.

CMS (not just GridPP) would finally like tokens on RAL CEs:

https://ggus.eu/index.php?mode=ticket_info&ticket_id=165969 (Current ETA: May)

LHCb (Alexander):

General:

- Proxy for ETF tests expired, as a result all tests were failing
 - Fixed

RAL T1:

- A few WN gens were drained for BIOS update last week
 - 2021 gen was not able to go back online, because of some network setup issues
 - Last week CPU resources provided to LHCb were below the pledge
- Vector read optimisation (follow-up on GGUS [ticket](#))
 - No updates

T2:

- [Failed](#) FTS transfers to Glasgow
 - Ticket can be closed
- Jobs are [failing](#) at Sheffield
 - Further limit decrease seems to be needed, since ~30% of jobs are still failing
- ETF tests are [failing](#) for Lancaster
 - Still waiting for migration
- Preprod ETF tests are [failing](#) for Glasgow
 - Looks like a permission problem
 - Ticket needs reaction
 - Similar issue observed at RAL
 - Namely, problems with statting top-level directories
 - Can be fixed by config amendments
- [Failed](#) pilots at Bristol
 - ticket can be closed
- Token-based job submission is [being set up](#) for RALPP
 - Auth issues prevent successful job submission
- [Failed](#) uploads from Glasgow WNs to other sites
 - Network issue

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:

(From Daniela): Moedal now has an IAM server which will double as the voms server once CERN gets around to streamline this (similar to Atlas/CMS/LHCb). An email went out via the portal, could the few sites supporting moedal please *add* the additional server (The old server is not decommissioned yet.) ?

```
$ cat /etc/grid-security/vomsdir/vo.moedal.org/voms-moedal-auth.cern.ch.lsc
/DC=ch/DC=cern/OU=computers/CN=moedal-auth.cern.ch
/DC=ch/DC=cern/CN=CERN Grid Certification Authority
=====
$ cat /etc/vomses/vo.moedal.org-voms-moedal-auth.cern.ch
"vo.moedal.org" "voms-moedal-auth.cern.ch" "443"
"/DC=ch/DC=cern/OU=computers/CN=moedal-auth.cern.ch" "vo.moedal.org"
=====
```

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

Meeting Updates

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

Early bird ended. There is a survey out asking sites what they would like discussed.

The next IRIS Collaboration meeting has been scheduled for **July 2 & 3** at Imperial College.

HEPiX in Paris currently ongoing, remote access available: <https://indico.cern.ch/event/1377701>

CHEP call for abstracts open (deadline 10th of May). In Krakow this year.

GridPP52 - usual week in August, 28th-30th, at Ambleside.

FTS XRootD dev workshop hosted at RAL (Cosners) this year, 9th-13th of September.
(registration is not open yet).

Tier 1 Status

Nothing to report in addition to the VO's reports above. The only exception to this has been a number of intermittent dropouts of the OPN.

-Tim C will investigate.

In all instances, we successfully failed over to the LHCONE.

Security Brief

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

- Operational update [standing item]
- DRI Cybersecurity Workshop (23rd and 24th of April)
- Migration from EL7

Update on alerts.

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

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

Networking News

[UK Mesh](#)

[Check_MK monitoring](#)

[Dune Mesh](#)

[perfSONAR certificate status](#)

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

A lot of grey on the mesh, but “the answer” is perfsonar 5.1 on EL9.
There’s a small risk of “legacy” issues updating a node to 5.1 from 5.0.8.

Some discussion of Imperial.

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, usual time and place.

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.

Twiki for WN IPv6 status - <https://twiki.cern.ch/twiki/bin/view/LCG/Wlclp6#IPv6Comp>

Lancaster looking at something “v6 nat like”.

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](#)

70 Open UK tickets - a lot of ongoing campaigns still running. Keeping to the “still just assigned” ones:

RALPP biomed ticket: https://ggus.eu/index.php?mode=ticket_info&ticket_id=166219

Token/VOMS configuration tickets of various flavours:

Bristol: https://ggus.eu/index.php?mode=ticket_info&ticket_id=165861

Durham: https://ggus.eu/index.php?mode=ticket_info&ticket_id=165857

Sheffield: https://ggus.eu/index.php?mode=ticket_info&ticket_id=165856

Brunel: https://ggus.eu/index.php?mode=ticket_info&ticket_id=165849

Durham again: https://ggus.eu/index.php?mode=ticket_info&ticket_id=165709

Sheffield again: https://ggus.eu/index.php?mode=ticket_info&ticket_id=165708

News

None

AOB/Feedback for/from the PMB

Nothing

Actions/Decisions from This Meeting

Matt will send VP email for Birmingham.

Chat Window:

11:10:20 From Daniel Traynor To Everyone:

I'll just put my site in to down time for 3 months that should've me time

11:30:42 From Daniel Traynor To Everyone:

there is an issue with openssl on el9 see cern storage talk at helix today. related to Diffie-Hellman exchange parameters

11:31:08 From Daniel Traynor To Everyone:

page 24

11:50:07 From Daniel Whitehouse (IC) To Everyone:

We IC are on el9 and have the test point I think we should be running whatever version of Perfsnar that is being pushed out, and I note we are still "grey"

11:50:16 From Daniel Whitehouse (IC) To Everyone:

Should we expect that to change when 5.1 comes out?

11:51:47 From Daniel Whitehouse (IC) To Everyone:

Ive just checked its 5.0.8-1.el9

11:52:14 From Daniel Whitehouse (IC) To Everyone:

My gut feeling is that our choice of test point just means it's going to be broken forever but...
?! ;)

11:52:51 From Daniel Whitehouse (IC) To Everyone:

Im sure we have in the past