

## GridPP Ops 9/4/24

**Attending:** Matt, Gerard, Vip, Mike L, Sam S, Dwayne, Daniela, Ian L, Luke K, Jyoti, Darren M, Dan T, Wenlong, Thomas B, Steven S, Mark S, Tony, Chris B, Linda C, Rob C, Emanuele (late), Gordon (from 11.35), Alex R (late)

**Apologies:** Alex, David C, Raul (attending SIG-NGN and work with SKA)

### Urgent Business

Some discussion of HEPiX registration.

### 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

-I think we can close this and move to a continuous process for keeping on top of our documentation

-Some discussion in PMB on this. GridPP twiki is crusty, would like to start a process of “spring cleaning”, which would look like moving stuff from twiki to confluence.

What pages would be useful for people to move?

-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.

-need to put in storage documentation.

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

-Daniela emphasises this

-removing “deadwood” from wiki should be done in parallel.

-Daniela suggests a flag, anything not flagged gets deleted.

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

-survey of the twiki.

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

### Any post GridPP51 thoughts?

-some thoughts on breakfast.

-looking for volunteers for next spring's meeting.

-good feedback on the length of coffee breaks.

-joint with SWIFT-HEP was useful. Lots of GPU stuff on the horizon. Continue with this format. "the other side" also benefit from the co-hosting.

## VO Updates

### ATLAS (Jyoti):

- General news:
  - Around midnight on 07 April, HammerCloud experienced extensive blacklisting. Large re-inclusion in the morning of 08 April.
    - Reason: [Rucio server outage between 00:15 and 01:30 hrs \(CEST\)](#).
    - Due to an outdated GeolP database file.
    - Temporary mitigation applied; underlying issue remains to be investigated. Rucio version to be checked.
  - The first 13.6 TeV stable beams fill with 2 colliding bunches was a success on 05 April.
  - [ATLAS proposal](#) for downtime in WLCG coordination meeting.
    - Consensus that blacklisting action can and should be taken from the VO side (ATLAS).
    - **How to combine CRIC with transfer efficiency matrix with GGUS reporting in a comprehensive way is the open question.**
    - CMS (and ALICE) already do this, with a very automated and sophisticated monitoring (not relying only on Grafana).

- Decommissioning old Rucio authentication servers – [ELisA:8308](#).
  - Recent upgrades:
    - Second upgrade of [fts3-atlas.cern.ch](#) instance – [OTG0149212](#).
    - EOSATLAS upgraded to v5.2.21, [OTG0149343](#).
    - New Rucio minor release 34.1.0, [EliSA:8427](#).
  - Reversal of 6 day transfer timeout to nucleus from Data Challenge, back to the default 4 days.
  - ADC/DDM Operations troubleshooting: [documentation](#).
- Tier-1:
    - Test: the workernode, *lcg2483* is now on IPv6; success with ATLAS jobs.
    - In order to test the EL8 environment on ARC-CE, RAL-LCG2\_TEST has now been enabled for EL8 (*arc-ce-test01.gridpp.rl.ac.uk*; *arc-ce-test02.gridpp.rl.ac.uk*).
    - The written report on DC24 (to DOMA; **the deadline is 26 April 2024**) is being prepared. Also affected by the WLCG workshop in May.
    - The new full time liaison, Brij joined RAL on 08 April.
  - Tier-2s:
    - Following the discussions on the upcoming downtime @QMUL (24-29 May): the redirection of the satellite sites to RAL (<- RHUL, IC, Brunel, SUSX, OX) and LANCS (<- SHEF) could take place during the last week of April or first week of May – so that there is enough time.
    - Last week, MANC\_GPU was repeatedly excluded from HammerCloud.
      - Things have been looking much better since 06 April!
      - Was there any action from MAN?
    - [GGUS-165959](#)
      - UKI-NORTHGRID-LIV-HEP: Enable token support for storage; **in progress**.
      - Actions expected during this week (the holidays are over)?
    - [GGUS-165967](#)
      - UKI-LT2-QMUL: Enable token support for storage; **assigned**.
      - Dan is back from leave, hope to see some action soon?
    - [GGUS-166140](#)
      - UKI-NORTHGRID-MAN-HEP: Low transfer efficiency as source; **assigned**.
      - Opened during the weekend, no action yet from MAN.
      - The issue seemed to be there as of yesterday, [link](#).
    - [GGUS-166160](#)

- Error in test\_trigGPU\_mc\_v1Dev\_grid: the provided PTX was compiled with an unsupported toolchain [[ANALY\\_QMUL\\_GPU](#)]; **in progress**.
  - Was opened following an observation by the ATLAS Trigger Release Validation Shifter, [ATR-29105](#).
  - Prompt action from QMUL w/ the CUDA update.
- Any news on [Lost data @DURHAM -- rebuilding storage elements?](#)
  - The plans were supposed to go ahead this week!
- BHAM\_VP disappearance from the monitoring pages:
  - [The PanDA link](#) shows that there are jobs running.
  - Other links show the queue is in test – [Cloud view - UK](#), [other PanDA link](#).
  - Absent in [HammerCloud](#), [job accounting UK Cloud](#), and [job accounting historical data](#) pages!
  - The suspicion is that the PQStatus was last modified in November 2022 – [CRIC link!](#) (Ref. [OX\\_VP](#)).
  - What needs to be modified?
    - Some discussion on monitoring scripts.
    - Will draft something in Thursday's meeting.
- RHUL in downtime today for “Hardware change in VMserv5” – [GOCDB:35242](#).

### CMS (Daniela):

Nothing to report. Honestly, I didn't get a single email about UK sites.

### LHCb (Alexander):

General:

- Proxy for ETF tests expired last Monday, as a result all tests are failing now
  - Renewal process turns out to be not straightforward
- All sites drained last Friday
  - Due to lack of jobs from LHCb

RAL T1:

- A few WN gens is draining for BIOS update, we have less jobs at RAL as a result
- Vector read optimisation (follow-up on GGUS [ticket](#))
  - No updates

- Token [setup](#)
  - Solved!

T2:

- [Failed](#) FTS transfers to Glasgow
  - Looks OK after xrootd update
- Jobs are [failing](#) at Sheffield
  - Pilot update did not help
  - CPUtime limit was added 26.03
    - A little improvement, though the issue is not fully resolved
- ETF tests are [failing](#) for Lancaster
  - Tests are completely broken now (see above)
- Preprod ETF tests are [failing](#) for Glasgow
  - Looks like a permission problem
  - Ticket needs reaction
- [Failed](#) pilots at Bristol
  - The issues disappeared, ticket can be closed
- [Failed](#) pilots at ECDF
  - Looks OK since 20.03
- Token-based job submission is [being set up](#) for RALPP
- Consistency check for Liverpool, Imperial and QMUL
  - Checks completed, lost files re-replicated, dark files removed

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

Tier 1 now also ticketed.

## Meeting Updates

Before Easter we had a Technical Meeting on Non-LHC VO support for GridPP7:

<https://indico.cern.ch/event/1396488/>

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

GDB co-located: <https://indico.cern.ch/event/1371720/>

Anyone stay up really late/get up really early and have any observations?

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, 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>

CHEP call for abstracts open. In Krakow this year.

-some discussion on the difficulty of getting to certain European destinations.

WLCG Ops coordination last week:

<https://twiki.cern.ch/twiki/bin/view/LCG/WLCGOpsMinutes240404>

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

Over Easter, RAL experienced no major incidents or items of note to their production services.

All Tier-1 services were “business as usual” for the duration of the holiday period.

Plan to roll out IPv6 to newer WNs, w/c 22nd April. Controlled rollout, will v6 ~75% of the farm.

Bios updates being rolled out. Encourage discussion on sec-discussion list.

Encouraging experiments to move to EL8 and EL9 queues.

## 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

Some discussion on recent alerts and ARCH linux, popular for some containers. Worth double checking. Same for Fedora.

## 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

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)

I am testing the perfSONAR 5.1 and have opened a few github issues that improve mainly security - http and opensearch.

Also working on a new dashboard using grafana.

And, right now, helping SKA with their dashboard (Raul)

## 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.

Some discussion of a UK regular data challenge type thing.

## 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/Wlclpv6#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](https://www.gridpp.ac.uk/wiki/RHEL9_systems)

Also see Rob's work on ARC:

[https://www.gridpp.ac.uk/wiki/ARC6\\_EL9](https://www.gridpp.ac.uk/wiki/ARC6_EL9)

-HEPSCORE

[https://www.gridpp.ac.uk/wiki/HEPSCORE\\_Site\\_Status](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](#)

71 Open UK Tickets.

[https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=165983](https://ggus.eu/index.php?mode=ticket_info&ticket_id=165983) This ticket got sent to ral-cloud, but I think it should have gone to RAL-regular instead as it involves tape.

New IAM servers for the WLCG VOs, these tickets are stuck/missed at a few sites.

Bristol: [https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=165861](https://ggus.eu/index.php?mode=ticket_info&ticket_id=165861)

Durham: [https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=165857](https://ggus.eu/index.php?mode=ticket_info&ticket_id=165857)

Sheffield: [https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=165856](https://ggus.eu/index.php?mode=ticket_info&ticket_id=165856)

QMUL: [https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=165851](https://ggus.eu/index.php?mode=ticket_info&ticket_id=165851)

Brunel: [https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=165849](https://ggus.eu/index.php?mode=ticket_info&ticket_id=165849)

I had missed this one. (Raul)

## News

None

## AOB/Feedback for/from the PMB

PMB endorses helping out at the Harwell Open Week. Any ideas for GridPP specific activities please have a chat to Sam ASAP. The travel budget will cover it.

## Actions/Decisions from This Meeting

Morph the documentation action to do the spring clean of the twiki.

## Chat Window:

11:01:22 From Luke Kreczko To Everyone:

Bristol summary:

[https://static01.nyt.com/images/2016/08/05/us/05onfire1\\_xp/05onfire1\\_xp-superJumbo-v2.jpg](https://static01.nyt.com/images/2016/08/05/us/05onfire1_xp/05onfire1_xp-superJumbo-v2.jpg)

11:03:36 From Daniel Traynor To Everyone:

I know that Alex Owen is going from QM

11:03:48 From Thomas Birkett - STFC UKRI To Everyone:

I planned to but sadly it clashed with a wedding

11:11:41 From Luke Kreczko To Everyone:

there was also something on Argus on EL9, wasn't it? Is

[https://www.gridpp.ac.uk/wiki/Argus\\_Server](https://www.gridpp.ac.uk/wiki/Argus_Server) up to date?

11:11:50 From Robert Currie To Everyone:

build a copilot for it 😊

11:12:16 From Daniel Traynor To Everyone:  
who's the audience for the page?

11:14:30 From Daniel Traynor To Everyone:  
confluence seems more internal GridPP use

11:14:45 From Luke Kreczko To Everyone:  
yeah, need to log in for this

11:16:13 From Mark Slater To Everyone:  
I suppose the main question is what (if any) benefit is there to confluence?

11:16:40 From Luke Kreczko To Everyone:  
there is a use to have something like this (GridPP specific docs for admins)

11:17:10 From Luke Kreczko To Everyone:  
but as Daniela said, it needs to be searchable via <your favourite search engine>

11:18:53 From Luke Kreczko To Everyone:  
breakfast?

11:20:27 From Luke Kreczko To Everyone:  
Warwick ;)

11:20:53 From Thomas Birkett - STFC UKRI To Everyone:  
Breakfast is important

11:24:52 From Daniel Traynor To Everyone:  
my GPUs are actually warm with nova jobs now

11:30:59 From Daniel Traynor To Everyone:  
i've not seen any ticket for storage

11:35:10 From Daniel Traynor To Everyone:  
no email was seen related to the ticket

11:43:34 From Samuel Skipsey To Everyone:

<https://www.usatoday.com/story/news/factcheck/2024/04/05/solar-eclipse-cern-portal/73216088007/>

11:46:55 From Luke Kreczko To Everyone:  
we did ages ago

11:51:36 From Daniel Traynor To Everyone:  
my favourite, <https://arxiv.org/pdf/hep-ph/9910333.pdf> - Given minimal physical assumptions the continued existence of the Moon, in the form we know it, despite billions of years of cosmic ray exposure, provides powerful empirical evidence against the possibility of dangerous strangelet production.

11:56:13 From VipDavda To Everyone:  
XRootD Workshop: 9-13 September in UK

11:58:32 From Luke Kreczko To Everyone:  
note on ipv6: I did not realise the argo mon tests have V4mapped addresses:  
[::ffff:83.212.73.78]

which are not filtered by ipv4 rules - fun  
11:59:29 From Daniel Traynor To Everyone:

are the AMD bugs fixed by microcode updates? or does it need a bios update as well

11:59:42 From Daniel Traynor To Everyone:

dan!

11:59:43 From Daniela Bauer To Everyone:

: -)

12:01:29 From Thomas Birkett - STFC UKRI To Everyone:

Sorry Dan! My bad