GridPP Ops 21/5/24

Attending: Matt, Brij, Daniela, Gerard H, Vip, Chris B (briefly), Steven S, Rob F, Gordon, Emanuele, Brian, Rob-C, DavidC

Apologies: Wenlong, Alex, Linda

Urgent Business

Daniela: We have a desperate moedal user looking for more resources. If anyone is feeling charitable, could you let me know ? I'm trying to get moedal to actually talk to CERN about resources (as they are a CERN experiment), but they clearly don't know where to start.

-moedal are having some troubles copying data back.
-RALPPD might be enabled, Daniela will check.

Actions from previous meetings.

Action free

General Updates/Discussion

Jumbo Frames & BGP Tagging.

Coming from last week is a renewed interest in this area. The PMB is encouraging BGP tagging for LHCONE sites.

Jumbo frames are also encouraged.

–put this as an item in the networking section.

Other WLCG Workshop Topics.

DPM EOL. Recommendation to switch off sites still running. In hand for the UK.

Similar conversation with voms-admin, but within GridPP running voms-admin on EL9.

WLCG Strategy document, one thing to changed GDB to Technical Coordination Board - look out for changes.

A lot of work on Tokens. "Not an easy thing". Discussion to form group of stakeholders to report to management board on this.

Mattermost list on this (somewhere).

Tom notes that having an overview of the discussion would be useful. No visibility of the holistic view.

Definite need to talk about this in another forum.

Impression that some of the delay around ARC has been due to pulling in token support.

EL7 EOL

Less than 6 weeks to go.

APEL 2.0.0 Release

https://github.com/apel/apel/releases/tag/2.0.0-1

https://github.com/apel/ssm/releases/tag/3.4.0-1

VO Updates

ATLAS (Brij/Jyoti):

RAL T1:
- Transfer efficiency 166818 (This morning, being investigated doesn't look like issue at RAL end.) from AGLT2
  - Efficiency below 80% for 4 sites.
    - QML , GLASGOW, IEPSAS Kosice, IN2P3-CC

T2s:

- UKI-SOUTHGRID-OX-HEP. EL9 upgrade of ARC-CE completed, commissioning and testing ongoing
- UKI-NORTHGRID-LANCS-HEP has low efficiency files transfer 166786

- UKI-SOUTHGRID-RALPP EFT GridFTP job statuses not updating against ArcCEs on Rocky9 [166692](#)
    - Boomerang ticket submitted by Chris, might be related to issue Maarten shared around about latest ARC release.
    - This is arc version 6.19 on Rocky9.
    - Not seen on the Rocky8 Tier1 CEs.
- UKI-SCOTGRID-GLASGOW ATLAS token issuer configuration for SE [166202](#)
- [UKI-SCOTGRID-GLASGOW transfers errors](#)
- [UKI-LT2-QMUL: Enable token support for storage](#)

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CMS (Daniela):

Not much to report.
Bristol was caught out by the change from iptables to firewalld on upgrading their squid:
https://ggus.eu/index.php?mode=ticket_info&ticket_id=166761=

LHCb (Alexander):

RAL T1:
- A lot of pilots got stuck, due to a voms-server issue
    - Drop in efficiency as a result
- Vector read optimisation (follow-up on GGUS [ticket](#))
    - No updates

T2:
- Pilots are [failing](#) at QMUL
    - Problems with arcce02 after OS upgrade
        - Pilots can not create /scratch/tmp/DIRAC_<something>
        - Incorrect value for $TMPDIR/$HOME ?
    - Ticket is in the "assigned" state, needs update
- [Aborted](#)pilots at Brunel
    - Problematic WN was put offline
- Jobs are [failing](#) at Sheffield
    - No updates
- ETF tests are [failing](#) for Lancaster
    - Re-calculation for April's A&R was requested
- Preprod ETF tests are [failing](#) for Glasgow
    - Looks like a permission problem
- Token-based job submission is [being set up](#) for RALPP

- Investigation in progress, ARC devs involved

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:

Please find the token configuration info here:
https://www.gridpp.ac.uk/wiki/Dirac_GridPP_DIRAC_Tokens

Moedal note from earlier.

Meeting Updates

Possible Tech Meeting on Energy Aware Solutions.

The extended CHEP call for abstracts over, we should hear back about abstract acceptance mid-June.

The next Research Network Engineering call on 24th May (Friday) will be given by Andy Lake, one of the perfSONAR developers, on perfSONAR 5.1.

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

FTS XRootD dev workshop hosted at RAL (Cosners) this year, 9th-13th of September.
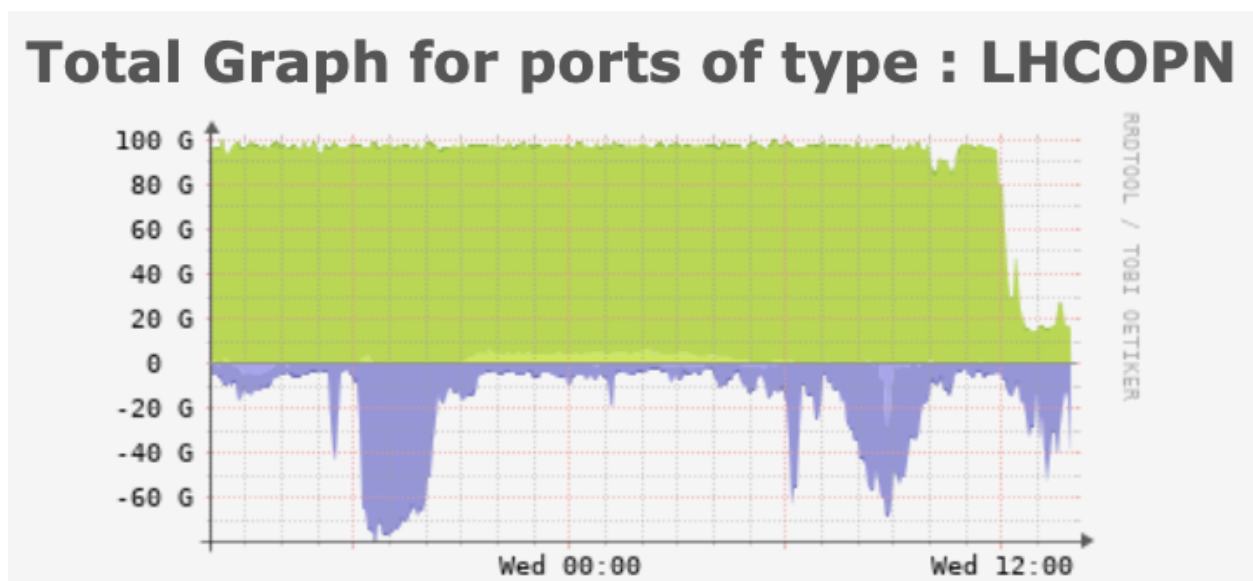https://indico.cern.ch/event/1386888/registrations/103332/

Tier 1 Status

With a fair number of the Tier-1 being in Hamburg, there were no major interventions undertaken this week. Equally, (and possibly as a consequence!), there were no incidents of note to report.

Despite there being less boots on the ground, we did successfully remove Lazy-Downloads (LD) for CMS. This is because the use of LD's by CMS has cause over saturation of the OPN. This, in turn, has caused a detrimental effect on job efficiency.
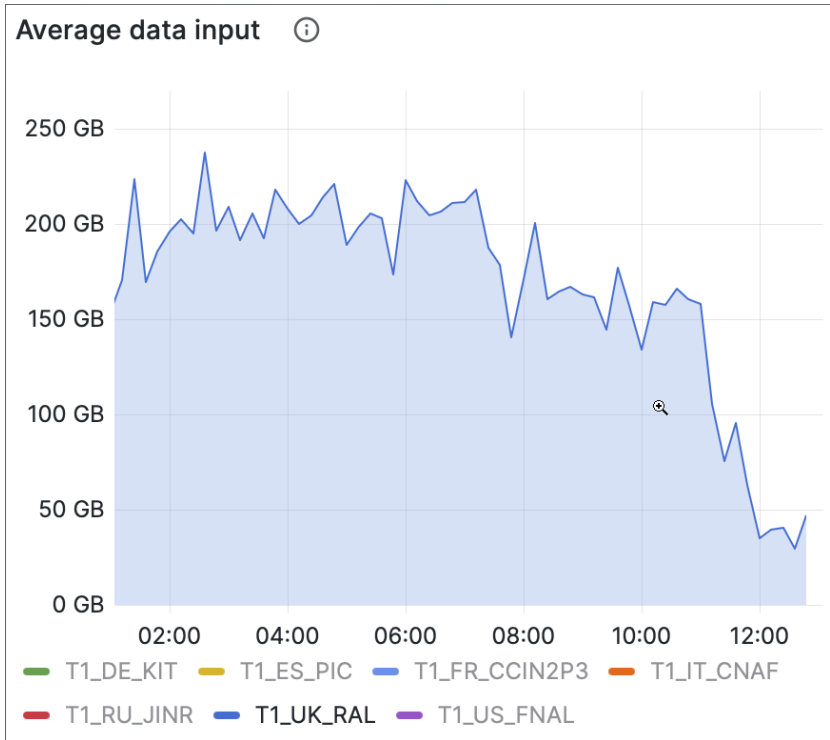
The initial impact has been marked with a major drop in the OPN saturation.

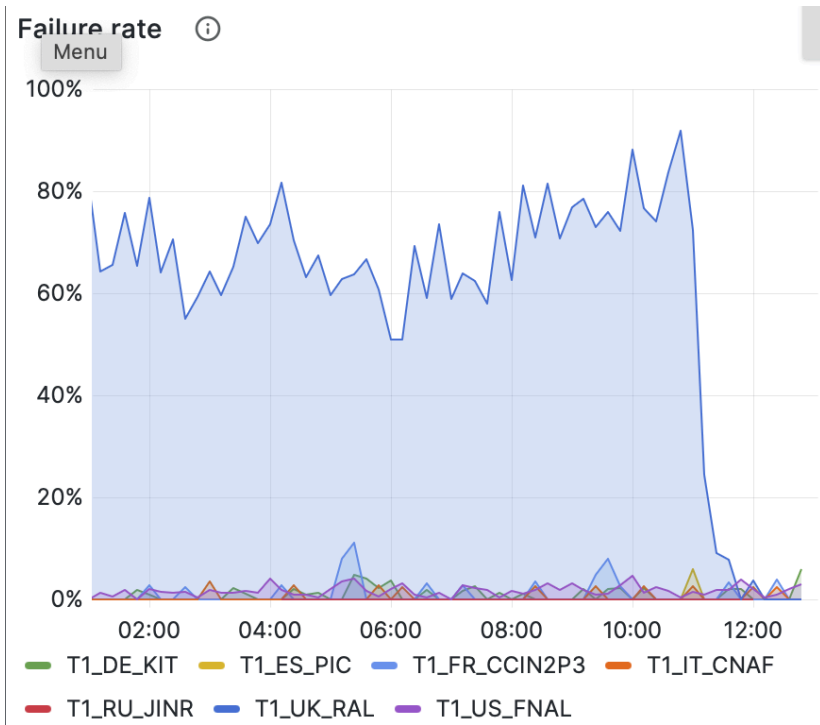Brief Break in LHCONE connection, failover successful.

Ongoing migration of Services from sl7

Equally, the data read per job from CMS is following the same trend.

Average data input ⓘ

250 GB

200 GB

150 GB

100 GB

50 GB

0 GB

02:00   04:00   06:00   08:00   10:00   12:00

— T1_DE_KIT   — T1_ES_PIC   — T1_FR_CCIN2P3   — T1_IT_CNAF
— T1_RU_JINR   — T1_UK_RAL   — T1_US_FNAL

Also had a massive effect on the job failure rate

Failure rate ⓘ

Menu

100%

80%

60%

40%

20%

0%

02:00   04:00   06:00   08:00   10:00   12:00

— T1_DE_KIT   — T1_ES_PIC   — T1_FR_CCIN2P3   — T1_IT_CNAF
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Security Brief

Advisories: https://advisories.egi.eu

- Operational update [standing item]
- Migration from EL7
- Token security discussion at workshop (already discussed)
- For reference, the SOC WG paper from CHEP was part of the proceedings that are now published
    - https://www.epj-conferences.org/articles/epjconf/abs/2024/05/epjconf_chep2024_04013/epjconf_chep2024_04013.html
- Planning in progress for a pre-HEPiX SOC Hackathon in Oklahoma, followed by a European a few weeks later (frontrunner to host is Jisc)
- Brief summary of DRI Cybersecurity Workshop (push to next week)

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
- The next INDIGO IAM Hackathon will take place on the **29th and 30th May, 2024** at **CNAF, Bologna**, event indico at: https://indico.cern.ch/event/1401472/
- [21/5] There will be open discussion sessions which may be of particular interest so please make a note of those

Networking News

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

Waiting for perfsonar 5.1, 24th May RNE call will have details on this.

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

Round table/trouble-shooting meeting tomorrow.

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

Lancaster has some success testing NAT66.

Technical Update

Standing subjects:
-Documentation cleanup

-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 tickets, outstanding soft action from last week to contact sites with "quiet" tickets.

News

NTR

AOB/Feedback for/from the PMB

As the end of May Bank Holiday week is half term for many of us shall we skip the meeting on the 28th?
-we will skip next week

Actions/Decisions from This Meeting

-soft action on Matt to prod sites with neglected tickets, add in section on Jumbo Frames/LHCONE/BGP Communities.

Chat Window: