GridPP Ops 15/11/22

Attending: Matt, Gordon,WinnieL, Jose, Vip, Mike L, Gerard H, Sam S, JamesW, Emanuele, Duncan R, Dan T, Alex R, Darren M, Ian L, Rob F, Thomas B, Jyoti, Luke K, Linda C, Daniela (slightly late), Wenlong, Dwayne S, Raul, Steven S, David C, Alessandra F, Mike L

Apologies:

Urgent Business

None

Actions from previous meetings.

None

VO Updates

CMS (Daniela):

[monit link](#)
Nothing much to report. Katy looking at Bristol issues.
Problems with RALPP AREX interface. Anyone got any clues.
Tom B suggests checking RTE's - this caused a problem for him back in day (by causing a race-condition that led to a silent failure). Suggests disabling RTE's one at a time to see if any causing problems.
Daniela notices that RALPP runs on a non-standard port. Jobs are getting in (or at least look like they do) - but held.
https://ggus.eu/index.php?mode=ticket_info&ticket_id=158175

Tom will look at the ticket. (James notes that atlas seem to be submitting to REST at RALPP without issue though…).

ATLAS (James):

Currently a mass HC blacklisting due to a change of proxy (identity not propagated in time to rucio); fixed now, and should resolve shortly

RAL:
- Gateway issue on Monday resulting in short HC test period

T2:
- Volatility observed in running numbers of jobs (LANCS and Glasgow):

- - Likely due to issue with Fast Rebrokerage algorithm; Recently fixed, and need to check
  - Oxford: Large fraction of Event Index jobs failing: (possibly) due to site killing exactly at job input memory requirements ?
    - Some suggestions on memory requirements and how to implement them. Tom B suggests sticking to the CE setting these.
  - ECDF_CLOUD Manually blacklisted, due to ongoing works, and no obvious method to downtime the queue via GocDB.
  -

LHCb: (Mark/Alexander):

RAL:
- Reduced number of jobs:
  - No MC requests
- Solved issues:
  - [Problems](#) with https writes to ECHO
    - Solution confirmed (at least no problems observed)
  - [Problems](#) with fts transfers to ECHO
    - Limited to a set of files with corrupted metadata. The metadata was either deleted or recovered
  - Short peak of failed transfers due to problematic gateway on Monday
- Ongoing issues:
  - [Deletion problems](#)
  - [Slow stats](#)
  - [Vector read problems](#)

T2:
- [Migration to ceph](#) is ongoing at University of Glasgow

"Other" VOs:

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 tests:
  https://wfs.dune.hep.ac.uk/dashboard/?method=wtf-results

Quiet at the moment.

SKA:

Will restart token tests soon after conversations last week. Will be starting a data challenge of their own soon (mostly IRIS cloud/hpc resources but will be interesting to keep an eye, and AF looking if we can insert iris grid resources).

LSST/Rubin:

Data Ops Centre meeting ongoing this week. Some discussion on VOMS/token plans.

EUCLID:

"[eucliduk.net](#)" "[voms.gridpp.ac.uk](#)" "15518"
"/C=UK/O=eScience/OU=Manchester/L=HEP/CN=[voms.gridpp.ac.uk](#)" "[eucliduk.net](#)"
and the usual 3 GridPP voms servers.
The VO configuration is also available in /cvmfs/[grid.cern.ch](#)

Other VOs:

Vip asks about ALICE jobs. Suggest asking Mark as he's the closest we have to a ALICE person.

General Updates/Discussion

NTR

Meeting Updates

HEPIX week before last.

WLCG and Rucio Workshops last week
https://indico.cern.ch/event/1162261/
https://indico.cern.ch/event/1185600/

Some discussion on tokens, data challenges, power saving (especially for storage), benchmarking (with relation to power saving too). And more power saving. (clock governor).

EGI Ops Meeting Yesterday: https://confluence.egi.eu/display/EGIBG/2022-11-14+notes
No glaring issues. Of interest is the (re-)creation of an NGI centre for Ireland.

Reminder: CHEP 2023: https://www.jlab.org/conference/CHEP2023
Abstract submission closes on the 17th of November.
Note from Sam: can everyone planning on (or already) submitting an abstract to CHEP please let me know. (We'd like numbers so we can look at the travel budget etc)

Computing Insight UK 2022 in Manchester in December, will be discussion on Energy Benchmarking on Heterogeneous Systems. https://www.scd.stfc.ac.uk/Pages/CIUK2022.aspx

Tier 1 Status

Echo

Webdav service had problems this morning (14/11/22) starting at 05:30. One problematic gateway, which was restarted around 9:30, which appeared to fix the problem. We lost an Echo storage node over the weekend (failing OS disk).

Antares

Short downtime on 8th November for scheduled Oracle database patching.

Batch Farm

Progress is being made on CMS tokens integration (https://ggus.eu/index.php?mode=ticket_info&ticket_id=158161).

Tier-1 Network upgrade (latest update on top)

13-09-22 - Tom B notes a problem with host firewalls on LHCONE nodes.

09-09-22 - IPv6 Traffic now enabled on the super spine.

02-08-22 - intention to make 2022 WNs (rocky 8 gen) hope to put these on lhcone.

17-05-22 Technically joined the LHCONE but at the moment it has only one host (the new perfSonar box). Currently we have resource checking and conforming routing between endpoints and IPV6 allocations.

05-04-2022 Resolution of new storage node access and central security work delayed LHCONE activity. Being re-timetabled.

Security Brief

New home for advisories: https://advisories.egi.eu

- Operational update [standing item]
- Pakiti status - should be working
- Site Security Survey
    - (good place to note things like Carbon Black@Bristol)

https://www.jisc.ac.uk/get-involved/cyber-security-community-group

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 Friday's 14-15:00 UK.

Networking News

UK Mesh
Check_MK monitoring
https://www.gridpp.ac.uk/wiki/Perfsonar_refresh
Dune Mesh

Lancaster Perfsonar's certificate has expired, Matt is trying to get a new one, but it's not affecting results.
There is a new version of perfsonar (4.4.6) and it is recommended to update to it. Most sites have auto updated.

Rob notes that Liverpool /var filled up and broke the PS - this is a recurring problem. May need to reconfigure to fix.
Perfsonar 5 is on the horizon, but no firm timeframe. Targeting Alma 8 as the OS.

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.

Nothing to add.

Technical Update

(to include any Token News, Data Challenge work, "New" OS experiences)
Standing subjects:
-ESCAPE credentials and use of tokens

-"Carbon Black" @ Bristol and similar technologies elsewhere

-ARGUS concerns.
We put in a request for a Tech Meeting on this. David C approved.

Duty Report

NTR

Tickets

UK GGUS tickets
45 Open Tickets this week.

No exciting tickets.

Site News

NTR

AOB/Feedback for/from the PMB

NTR

Actions/Decisions from This Meeting

Soft actions - tell Sam if any power management/infrastructure issues
also tell Sam if you plan to go to CHEP.

Chat Window:

11:18:27 From Luke Kreczko To Everyone:
   our queue has been 3GB per job since 2015 ;)
11:18:41 From Luke Kreczko To Everyone:
   with Condor: job route
11:45:52 From Daniel Traynor To Everyone:
   AMD stuff is better in later kernel
11:47:56 From Daniel Traynor To Everyone:
   stuides i did some time ago for storage showed an impact in io performance when using
power saving modes, at least for lustre
11:48:18 From Luke Kreczko To Everyone:
   so if we run jobs on our storage nodes, would that count towards power efficiency?
11:49:58 From Dwayne Spiteri To Everyone:
   Accounting win! Save 100% of the power from your compute if you run on your storage.
11:50:48 From Emanuele Simili To Everyone:
   CPU throttling works on these AMDs:

   AMD EPYC 7643 48-Core Processor
   AMD EPYC 7513 32-Core Processor
   AMD EPYC 7452 32-Core Processor
11:51:31 From Luke Kreczko To Everyone:
   Rucio so good, even LZ is (finally) considering it ;)
11:52:01 From Alessandra Forti To Everyone:
   https://www.phoronix.com/news/CPUPower-AMD-P-State
11:52:26 From Alessandra Forti To Everyone:
   That's where I got the information which is also on other sites
11:52:57 From Alessandra Forti To Everyone:
   I was talking about the cpupower tool
11:53:07 From Alessandra Forti To Everyone:
   which Rod uses
11:54:13 From Emanuele Simili To Everyone:
   yes, this is exactly what I did:

   cpupower frequency-set -g conservative
   (or 'performance' or 'powersave')

11:55:55 From Emanuele Simili To Everyone:

   'performance' keeps the frequency always at max (2.3 or 2.6 GHz), while 'powersave' keeps it at the min (1.5 GHz)

11:56:41 From Emanuele Simili To Everyone:

   'conservative' regulates the frequency depending on how busy the machine is. if a job is running, frequency goes to max

11:57:41 From David Crooks - STFC UKRI To Everyone:

   https://www.jisc.ac.uk/get-involved/cyber-security-community-group