

# GridPP Ops 17/12/19

Attending: Matt, Brian, Elena, Vip, Sam, Emanuele, Linda, WinnieL, GarethR

Apologies: Gordon

## Action from previous meetings.

\*190618-02 Duncan - form a plan for the future of perfsonar for GridPP sites.

The spec was provided and widely circulated. Any feedback from people after feeding this to their suppliers?

-See Simon's question on TB-SUPPORT

\*191008-01 David C, plan a "Security Day" event.

[in progress DC]

Timescale ~ Feb 2020 (avoiding half term)

As a reminder; plan is currently to focus on central logging/central suspension and related topics

\*191119-01 - Sites mentioned in dzero ticket [143926](#) to remove dzero from publishing.

### For the CEs I see:

ce3.dur.scotgrid.ac.uk:2811/nordugrid-SLURM-ce3

ce4.dur.scotgrid.ac.uk:2811/nordugrid-SLURM-ce4

### and for the SEs I see:

hepgrid11.ph.liv.ac.uk

heplnx204.pp.rl.ac.uk

se01.dur.scotgrid.ac.uk

svr018.gla.scotgrid.ac.uk

### Same picture as last week.

\*191210-01 - Action on Matt to submit a ticket to find out about gfal2 python3 support.

[https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=144444](https://ggus.eu/index.php?mode=ticket_info&ticket_id=144444)

## VO Updates

Atlas (Elena):

Only 1 GGUS

UKI-SOUTHGRID-SUSX

ggus 142329 State:on hold CentOS7 migration

Patrick has now opened the external firewall ports and this will allow easier testing from remote. He also configured map\_to\_pool. He's in the process to be registered to dteam (some hiccups with the registration process) and atlas. So he can do testing with VOMS proxy (naked proxies

shouldn't work, but it seems at least some tools like arcinfo work). He is going to go over some more config also next week with Dan.

### **SRMless**

ECDF, RHUL want to become SRMless and switch SRM off. Followed discussion on how also Oxford which has other customers can switch the daemon off. Broadcasts not really read. Recommended way is to find out who has data on the storage and contact those VO directly. We also checked RHUL has gridftp redirection on it seems they do.

Alessandra: reconfigure ECDF and RHUL in AGIS and check Oxford is also ok

### **Glasgow Ceph**

Sam asked to reconfigure AGIS to enable Ceph too. There is a JIRA ticket <https://its.cern.ch/jira/browse/ADCINFR-152> he'll update that and Alessandra will look into the AGIS changes while she does the SRMless sites.

### **Sheffield LOCALGROUPDISK**

Done

<https://its.cern.ch/jira/browse/ADCINFR-147>.

Only DATADISK has 14 TB

### **ATLAS S&C week**

There are changes in the pipeline that might trigger some changes also at sites.

- 1) Grand unified queue -> unification of analysis and production queues
- 2) Removing unifying scratchdisk and datadisk and use user quotas to handle the scratch disk users.
- 3) DOMA activities
  - a) a lot of talk about xcache deployment in the UK. We set it up in Bham and Cam but we haven't followed up.
  - b) TPC upgrades progressing most DPMs done, need to get going with dcache
  - c) Becoming SRMless important in ATLAS. In January will start to talk about TPC without gridftp.
  - d) QoS for now still concentrating on TAPE because data carousel (i.e. reading data from tape) is going to be central for data management in run3

## CMS: (Daniela):

Daniela is likely at the IRIS F2F - anyone else have any CMS news?

Brunel testing new redirector at CERN, to try to find out why redirecting to wrong file. problem with CMS related to bug in DOME:

A slightly inconvenient bug in DOME ACL <https://its.cern.ch/jira/browse/LCGDM-2887>

## LHCB:

Noone to Report

“Other” VOs:

DUNE :

glideInWMS configuration for the different sites :

<http://gfactory-2.opensciencegrid.org/factory/monitor/factoryEntryStatusNow.html>

LSST:

LZ: finishing data challenge.

New VO status:

**Lancaster has g-2 up and running, just need to sort out some g-2**

**VIP asks about contacting VOs, Gareth recommends the broadcast tool at the operations portal:**

<https://operations-portal.egi.eu>

**Direct link to the broadcast tool here -**

<https://operations-portal.egi.eu/broadcast/send>

## General Updates

NTR

## Meeting Updates

### Ops Coordination last week:

<https://indico.cern.ch/event/869667/>

<https://twiki.cern.ch/twiki/bin/view/LCG/WLCGOpsMinutes191212>

Alessandra our new GDB rep.

<https://indico.cern.ch/event/739885/>

(kubernetes pre-GDB <https://indico.cern.ch/event/739899/>)

**GDB summary:** Pepe Flix, Mattias Wadenstein new GDB co-chairs

**SVG:** SVG needs to evolve, infrastructure becoming more diverse and expertise needs to be acquired with each new software. There is a new procedure. Ask for volunteers for the new DEG (Deployment Expert Group) and iRAT (issue Risk Assessment Team).

**CTA:** New tape system replacing CASTOR at CERN. Integrated with rucio and xrootd will have a EOS front end. The migration will start with ATLAS in Q1 2020. RAL will also replace CASTOR with CTA though the front end will be ECHO.

**Accounting:** There is a new procedure to collect and validate the accounting data based on CRIC. Accounting reports will be moved from the EGI portal to the new accounting dashboard. And will contain reports for CPU and storage. The storage numbers will be collected using the SRR, so it is important that sites enable it. Sites will have to validate the data for both cpu and storage. Vos will also do their part to check the numbers

**SOC workshop and IRIS framework:** David?

**Monit:** SAM3 dashboard will be replaced in Q1 2020 and A/R reports will now be generated by the new monitoring. The look is the same but the dashboard will be in grafana. There will be the possibility to recalculate the numbers. Grafana will also replace SSB (us anybody still using it?) and data management and job monitoring dashboards for both CMS and ATLAS. The new monitoring will also be integrated with CRIC which will replace the VOfeeds for the topology and REBUS for accounting and pledges.

**WLCG/HSF workshop:** Several discussion about new facilities and analysis. ML, new architectures and integration with hub services such as jupiter hub and others. Evolution of funding models to include also this type of computing. Discussion of what actually is an analysis facility T2, T3? Boundaries are blurring. Push to move to industry standards for software and frameworks. Big need for training both sites people and users. There is more to digest....

**Authz:** Progress on the work done to enable token based authorization and adopt a WLCG JWT profile. Talk is very interesting if you want to know the details. Important to know that while the initial testbed is storage based ie trigger a TPC transfer from a laptop using rucio there are

other places where tokens are tested. Htcondor demonstrated a job submission using tokens at CHEP and k8s deployment would benefit enormously from using openID connect instead of x509.

**K8s pre-GDB:** very long pre-GDB – 10h with up to 60 people present. Discussed the various aspects and possibilities of k8s. New WG DOMA style will be setup in January.

**Traceability:** [recommendations](#) approved by the MB. New light weight challenge. Better docs.

**Atlas SW&C Week summary** - lots of changes coming. Production queues unified this year. Plans to unify analysis queues in there - so only one queue per site (unless you have special resources that need a separate queue, e.g. GPUs need to have a separate queue). Not sure what's going to happen to user mappings, and different factories will still use different DNs.

Want to remove SCRATCHDISK. Only DATADISK (and LOCALGROUP) will remain. User quota-ing will be done in rucio.

DOMA stuff - xcache work not followed up properly at Cambridge and Birmingham. GridPP should put effort into looking at this (to see if xcache helps). DPM upgraded. Becoming SRMless important - gridftp-less TPC is coming. Need to start proper tests to see if we can replace gridftp, which protocol will win the race? QoS work is still tape-centric.

Lots of Hackathons during the week.

-some xcache discussion followed, discussion Rod's opinion. pre-caching with ARC was suggested as an alternative there.

-evolved into a slate discussion. A UK slate-like service was mentioned.

## Tier 1 Status

Frontier Service For ATLAS decommissioned at RAL

FTS host lost connectivity, restarted.

Myproxy service interruption resolved. Still used by CMS phedex service.

Sno+ want to move to DIRAC. ( as part of the LFC migration)

## Security Brief

Linda looking to recruit for a Deployment Expert Group - Linda will present on this in the New Year.

Christmas will be covered “best effort” style but you should still expect response if needed. There will be someone on duty at the IRTF.

## Storage and Data Management News

NTR, other than earlier discussions.

### On Duty Report

NTR

**Technical Update** (was Tier 2 evolution, Accounting, Monitoring, Documentation, Services)

NTR

### Tickets

45 Open Tickets this week.

These tickets don't seem to have been noticed yet:

**RALPP:** [https://ggus.eu/?mode=ticket\\_info&ticket\\_id=144522](https://ggus.eu/?mode=ticket_info&ticket_id=144522) - SRR Ticket

**QMUL:** [https://ggus.eu/?mode=ticket\\_info&ticket\\_id=144294](https://ggus.eu/?mode=ticket_info&ticket_id=144294) - LHCb Transfers.

This ticket got reopened:

**BRUNEL:** [https://ggus.eu/?mode=ticket\\_info&ticket\\_id=144246](https://ggus.eu/?mode=ticket_info&ticket_id=144246) - CMS weird ticket.

**SHEFFIELD** have a lot of ROD tickets, e.g.:

[https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=144002](https://ggus.eu/index.php?mode=ticket_info&ticket_id=144002) (SRM)

[https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=144340](https://ggus.eu/index.php?mode=ticket_info&ticket_id=144340) (ARC)

[https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=144018](https://ggus.eu/index.php?mode=ticket_info&ticket_id=144018) (BDII)

Sheffield is in the process of decommissioning their SE, but I see your downtime is a WARNING, not an OUTAGE:

[https://goc.egi.eu/portal/index.php?Page\\_Type=Downtime&id=28127](https://goc.egi.eu/portal/index.php?Page_Type=Downtime&id=28127)

There's also a smattering of APEL tickets across sites. I'll bolt these concerns onto the existing APEL test “over-precision” ticket:

[https://ggus.eu/index.php?mode=ticket\\_info&ticket\\_id=142734](https://ggus.eu/index.php?mode=ticket_info&ticket_id=142734)

## Site News

NTR

## **AOB**

No Ops meeting until Next Year now! Merry Christmas!

Next meeting is pencilled in for Tuesday 7th of January, but it will need a chair.

## **Actions/Decisions from This Meeting**

**HAPPY HOLIDAYS!!!**

### **Chat Window:**

<https://indico.cern.ch/event/870001/>

A slightly inconvenient bug in DOME ACL <https://its.cern.ch/jira/browse/LCGDM-2887>

Possible security implications, of course

I 'll try to rejoin

[https://ggus.eu/?mode=ticket\\_info&ticket\\_id=144555](https://ggus.eu/?mode=ticket_info&ticket_id=144555)

There you go Ste

<https://operations-portal.eji.eu/vo/search>

<https://operations-portal.eji.eu/broadcast/send>

I've enabled SRR for Brunel and RHUL

2 onths go

So with ATLAS tape caousel, is the idea to recombine disk and tape, or for the WNs to have direct access to tape data?

Retirement is no excuse!

Ste: lol! GridPP: Apols, gotta go

sorry ;ostt mwetwork conneciton

So did I

sorry I have to go...

We lost all the RAL people

we are back!

darremn dfidning his mute button

Random pressing of mute makng no impact whaeveer