

GridPP Ops 06/08/19

Attending: Matt, Gareth, Tim, Daniela, David, Ian, Gordon, WinnieL

Action from previous meetings.

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

-Tim will take some time to talk to us in the meeting about this.

-Duncan's current GridPP mesh can be found at:

-<https://ps-dash.dev.ja.net/maddash-webui/index.cgi?dashboard=UK%20Mesh%20Config>

- Includes 16 pS nodes including the Jisc reference node; 4 of the 16 currently not showing data

-Jisc are running tests with different h/w and virtual platforms. Found a system that can do 10Gb perfsonar for less than £1k.

-But will also need 100Gb perfSONAR for some sites, e.g. Imperial are now connected to Janet at 100G, and other GridPP sites will follow in time.

-A proposal for a GridPP refresh will be presented at GridPP43 on 28-30 Aug. Will include at least five areas:

1)Proposals for h/w for the sites; the "big five" would have a different platform to the others, probably a node that would run 10G now and be capable of 100G in their 4-5 year lifetime, while other sites may use the sub £1k 10G platform.

2)A hosted mesh which will also centrally archive the measurement data; Jisc should be able to provide this

3)Configuration - would propose to use ansible to maintain the systems.

4)Will have extra monitoring for the new HW platforms, probably using check_mk

5)Will expand on the visualisation; current perfSONAR dev work is integrating with Grafana for example.

-There are other perfSONAR projects Jisc are working on, including potentially DiRAC, and perfSONAR for STFC, both between their UK sites and between sites within RAL.

-May need different meshes for different speeds. The initial aim will be a 10G mesh, but we could also offer 25G and 100Gb meshes in due course.

- We will need to cater for different levels of support at different sites; some will want full control, others happy to just plug in a system that is remotely managed

-There is the WLCG perfSONAR program to consider too - need to be aware and fit in with that. Big archive in the States. Tim and Duncan will speak to Shawn and Marian.

-Tim is WP leader on the new GÉANT GN4-3 project, where his WP provides the European development team for perfSONAR (working with three US teams), so we have a direct line to build features into Perfsonar if wanted/needed.

- PC - Need to better advertise that we do this work. Duncan to look at adding links to his mesh from GridPP web site(s)
- Hope to have 3 good community showcases by the end of the year - GridPP, DiRAC and STFC.
- Gareth asks about University level "buy-in" on this.
- Request to collect examples where personar was useful at GridPP sites.
- Tim will talk more at GridPP43 later this month.

*190702-01 All (except those who have done it already) - Get your site HW surveys to Gareth.

-3 sites outstanding, working on it. Hopefully will get to it this week.

VO Updates

Atlas:

-- Reminder from Alessandra:

SL6 analysis queues will be put in brokeroff on the 15th of August. You will not receive analysis jobs from panda unless the site is explicitly set by the users.

-- Move to CentOS tickets

UKI-SCOTGRID-GLASGOW

ggus 142328 State:on hold Both Production and Analysis queue are currently in a test mode and passing the HC tests. Should we set them online?

UKI-SOUTHGRID-SUSX

ggus 142329 State:in progress Date:2019-07-29 14:11:00

UKI-LT2-QMUL

ggus 142326 State:in progress: site 50% running centos7 for Atlas, rest of site will move when Dan has a production arc6 ce

UKI-LT2-RHUL

ggus 142330 State:in progress working on Centos7 + HTCondor environment to have it ready as soon as we can.

UKI-NORTHGRID-SHEF-HEP

ggus 142327 State:in progress Problem with storage configuration in AGIS

Other tickets

UKI-SCOTGRID-GLAGOW

ggus 142136 State:in progress Date:2019-07-29 11:44:00 Info:High activity from nat005.gla.scotgrid.ac.uk on RAL frontier servers

UKI-SCOTGRID-DURHAM

ggus 142336 State:on hold Date:2019-07-24 14:00:00 Info:Durham to have own squid? We're looking at what hardware we have available to run our own Frontier Squid; currently we wont have capacity until Jan 2020 but we're seeing what we can shuffle around.

UKI-NORTHGRID-LANCS-HEP

ggus 142598 State:in progress Date:2019-08-05 15:10:00 Info:High number of hits on ATLAS CERN backup proxy from UKI-NORTHGRID-LANCS-HEP: Our outgoing acl's regexes did not match the ral frontier services any more, Matt hopes he I has fixed this. We are reviewing our use of ACLs on our squids, we might have to loosen them up considerably to prevent further errors like this.

UKI-SCOTGRID-DURHAM

ggus 142567 State:in progress Date:2019-08-05 15:24:00 Info: Many transfer timeout from DURHAM: The site is investigating.

UKI-NORTHGRID-SHEF-HEP

ggus 142423 State:waiting for reply Date:2019-08-02 02:54:00 Info:Transfer source error in UKI-NORTHGRID-SHEF-HEP: the site ce1 is somehow used in transfers

XCache in Cambridge <https://its.cern.ch/jira/browse/ADCINFR-129>

Xcache RPM is not installed yet. Xrootd 4.10 is missing from EPEL. The same problem for Bham.

CMS: Brunel is having a bad week wrt links to the T1s. Raul is looking into it. (I suspect another DPM special -- Daniela)

Raul - transfers to Tier 1s, problem with debug, unsure what's going on.

LHCB:

Unchanged since last week : Problems still at RAL with streaming files via xroot. Also Bristol still not running LHCb jobs

"Other" VOs:

DUNE : No running jobs since yesterday at RAL.

Tests ongoing to use DIRAC for DUNE.

New VO status:

PC - anybody heard anything from g-2?

Gareth - working with Class12, Nuclear physics working out of Jefferson lab. Glideins landing at Glasgow. May want to reach out later (and talk to Tier 1 about CVMFS caching of OSG repositories within the UK).

General Updates

-A new version of the gocdb is on its way - testing details in this ticket:

https://ggus.eu/index.php?mode=ticket_info&ticket_id=142559

<https://gocdb-test.esc.rl.ac.uk/portal/>

Meeting Updates

Two technical meetings in the last fortnight:

DOME:

<https://indico.cern.ch/event/836911/>

GPUs:

<https://indico.cern.ch/event/836678/>

Tier 1 Status

No presence in the meeting, but no news.

Security Brief

Operations: NTR

Documentation: Matt and I have started doing some tests on job tracing with DIRAC

Testing: Winding up to do some suspension tests, possibly around or just after GridPP43

SSC Reports: Site reports being assembled this week

Reminder: SOC WG Workshop in Nikhef in October (progress at STFC)

Storage and Data Management News

Raul is at RHUL

Lancaster has switched off their SRM. Nobody complaining (yet).

On Duty Report

NTR

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

NTR

Tickets

Not much exciting on the day to day tickets- I noticed a few Oxford tickets but IIRC Vip is away - do you need a hand?

-Discussion, Ste recommends to talk to an expert to get some tuning tips.

-Gareth recommends flushing old session directory.

IPv6 Tickets:

Oxford - recently updated.

Birmingham - positive news, but that was back in May. Any recent developments?

Glasgow - needs an update, even if it's one of hollow repetitions.

Durham - some good news back in June. Nice.

Sheffield - any luck with your dual stacked perfsonar?

Liverpool - if prompted you might need an update (unless there's been some movement?).

RHUL - Any news? Things were almost looking promising for a while.

Site News

Glasgow need hardhats to get into their new building.

AOB

GridPP43 later this month - I believe there's still a few gaps in the timetable:

<https://indico.cern.ch/event/828577/timetable/>

Next Ops meeting: 20th August

When shall we go back to weekly meetings?

ARC

Actions/Decisions from This Meeting

None new, extra onto 190618-02 for sites to feedback to Tim and Duncan any

Chat Log:

https://docs.google.com/document/d/1_RMHTn4eJw5F_SrZ4uym7E5pJzEsi1ncpggNNKzHcl8/edit?usp=sharing

The link to Duncan's gridpp perfSONAR mesh...

<https://ps-dash.dev.ja.net/maddash-webui//index.cgi?dashboard=UK%20Mesh%20Config>

Do we need 100G, if 100G is just 4*25G then would 25G be good enough?

we've just brought some single socket nodes with Intel Xeon E-2134 (1.5K) we can try those with perfsonar

they have 25G

I think 25G would be good.

https://www.gridpp.ac.uk/wiki/Links_Monitoring_pages

<-- seems like a good first order place to put it.

I have now added the dashboard URLs there

Yes, I'm on duty, and no nothing exciting is happening.

I am getting fed up with the Sync tickets. I can't fix them, so I'll just have to close them every single time. The differences are so small and ARC have declared that they won't fix the SGE setup, so I'm out of luck.

sorry. I have to leave

hi, i have to drop out, will email tb-support later!

arc 6 accounting, got an example?

apologies from me for the next ops meeting.

thanks