

TBsupport Meeting 29th November 2007

Present:

Pete Gronbech (Minutes)
Jeremy Coles (Chair)
Giuseppe Mazza
Gianfranco Sciacca
Santanu Das
Andrew Elwell
Stephen Burke
Duncan Rand
John Bland
Derek Ross
Ben Waugh
Steve Macallister
Yves Coppens
Peter Love
Mathew Doidge
Winnie Lacesso
Graeme Stewart
Ewan MacMahon
Rob Fay
Brian Davies
John Ryan
Alessandra Forti
Barney Garrett
Phil Roffe
Mona Aggarwal
Jeremy Yates
William Hay
Austin Chamberlain

10:30 Site status review and issues

- Accounting
- CPU Accounting (with reference to http://www3.egee.cesga.es/gridsite/accounting/CESGA/egee_view.php)
- ECDF is the only site mentioned as not publishing for >3 months (because it is new!)
- Sites that do not appear up-to-date:
 - 1) csTCDie
 - 2) UKI-LT2-QMUL; UKI-LT2-UCL-CENTRAL
 - 3) UKI-NORTHGRID-SHEF-HEP
 - 4) UKI-SCOTGRID-DURHAM
 - 5) UKI-SOUTHGRID-BRIS-HEP; UKI-SOUTHGRID-RALPP
- Only ECDF not published in the last month,
- GS: The are likely to join shortly, some issue with ATLAS software. SAM tests are working. Have not been ticketed yet.
- A series of sites not up todate.
- Trinity College, QM and UCL central (in Maint),
- Tomcat was dead on the mom box.
- Sheffield similar?

Durham a lag of a couple of weeks?, Problem with certificate updated but not copied to the tom cat area.

Bristol and RALPPD a few weeks behind.

Now Dave Kant has left are there any issues with getting support from RAL.

Yves, a lot of problems, corruptions of the database, querying tables disagree with each other.

EG 2 ce's querying all compare two tables.

log record table different

Also some discrepancies at Oxford. Affects the second ce's.

APEL and YAIM introduced bugs over time, there are solutions linking to savannah or on apel faq, but its difficult to understand which patches are in the current release.

Yves has an ugly perl script which he can share.

- Storage accounting (with reference to <http://tinyurl.com/2cj2u4>)

Storage accounting.

It is worth sites checking , if you look at the link on the agenda page, select last week, and look at the table for egee vo's and check that it is correct.

Some sites are not reporting any storage against the site but that may be because they share storage. DR didn't think UCL were sharing storage. No they are not so it may be a problem.

Grieg set this up, any suggestions, look in the information system,

If its reported correctly on gstat then it's a problem with the system.

ECDF not publishing yet.

Grieg:

We don't think people are using this system dynamically. Its for an over view.

GS: It will be used to compare what they pledged to ATLAS.

- Monitoring status (SAM history <http://hepwww.ph.qmul.ac.uk/~lloyd/gridpp/sam.html>)

-- QMUL

Averaging 68%? Had problems the day before yesterday as the voms rpm was not updated on the se.

Did not know that he had to update the voms rpm on the se, thought it was only on ce and ui. Doing several things in parallel so its not so easy.

GS: VOMS server rpms is needed by any machines that wants to validate any VOMS, so its part of the infrastructure

-- UCL-CENTRAL (Maintenance)

-- Lancaster

On Tuesday upgraded to dcache 1.8, some outstanding problems. Matt is ahead of the game, he is the only t2 site to have upgraded so far and the developers are still debugging with the t1's. PL:

PMB allocation was based on SAM test efficiency, would like to have acknowledgement that being first to update things affects their performance. JC has an outstanding action to deal with this.

DR: Wouldn't it be better for small or test sites to go first?

GC: Sometimes the problems only show up on large production sites.

JC: Every case needs to be considered in its own rights

GM: Would like to be sure the software is working before deploying

JC: we would all like it to be working, there are various test beds, but pps only picks up about 15% of the problems.

GM: Is it possible to have a major release?

JC: maybe every year or 18months?

SB: in a sense glite 3.1 is the big upgrade.

GM: Its difficult using SGE for the ce..

JC: Marion does do a full install on the PPS at RAI each time.

-- Cambridge (host certificate on the SE/DPM-head node expired)

It was a host certificate.

-- SL summary page now available: <http://hepwww.ph.qmul.ac.uk/~lloyd/gridpp/ukgrid.html>

There is a summary page, which those of you who went to the hepsysman will be aware.
-- SL ATLAS tests have been impacted by planned power outages at QMUL. Most recent failures seem linked to a UI certificate problem at QMUL.
-- Each site now has a daily updated chart of availability AND reliability (click on your site row for the current quarter: <http://hepwww.ph.qmul.ac.uk/~lloyd/gridpp/samplots.html>).
-- FCR failures are now being logged for a metric on exclusions

There have been some problems with the tests due to power outages and then UI problems.
This affected all site results. There is an updated chart which shows availability and reliability

- Site concerns

10:50 Current experiment/VO activities and issues

- ATLAS

-- Moving to Panda. You can take a look at the status for the UK here: <http://tinyurl.com/2arv3s>.

Moving to Panda production, Cosmics run in oct/nov, some sites in uk had datasets subscribed, because of T1 probs not all sites got the data, so still getting data in Nov. Ral better now.

GS: New MC system that ATLAS introduced, Will be only running 1 system in stead of 3. Its much more sensitive to data movement.

o/p gathered at each of the sites. Rod Walker and GS brining other T2s online.

Most sites are fairly good, need a few more tests, first hardcore use of FTS at most of the sites. Have to work with RAL to make sure its working. It also works your se a lot, so its important to ensure they are working properly.

ECDF issues.

Oxford needed curl now fine.

RALPP has been validated and is in production

QM have LFC plugin, UCL need DPM to be updated.

Does not really work with older DPM. UCL HEP is the latest version so it should be OK its just UCL central.

BD: UCL central is always the one that causes problems.

SB: Manchester and Liverpool had problems , this morning? UK efficiency was low due to a back log.

GS: Distributes Data Management, partly caused by move to CASTOR. Problem with the way they distinguish between ral t1 and ralpp. Still working on it. Internal ATLAS probs rather than site specific.

JC: What does validated mean.

GS: try to run a fgen job via panda.. Need to know a bit about their storage, how to interface between WN and SE. Need a working s/w installation. O/p files on se the transfer to RAL. Then small geant4 simulation. Transfer to WN , exercise staging data to se. If all tests pass i/p from ral o/p back to ral then they are validated and will start doing work.

Panda knows how many jobs it has allocated to the site. If you have a large number of jobs in the transfer state it regulates itself.

BD: This sort of testing may be come automated later.

GS:

-- M5 cosmics finished early November. There were some data backlogs because of T0 and DDM problems.

-- Had a few problems shipping data last week at RAL so Panda stopped. Things are now picking up again. Current status: <http://tinyurl.com/24jspn>

- CMS

-- CSA07 has finished. CMS is still assessing the exercise.

-- Reported problems with the cms software framework which hampered both the Tier-0 and Tier-1

-- CMS RAL Tier-1 visit takes place next Friday

4 or 5 sites got reasonable transfers in the end.

- LHCb

-- Not much T2 activity; focus has been stripping work at T1

-- Moving data from dCache to CASTOR

-- Downtime announcements for T1 are not getting to the VO properly which raises concerns about other sites/VOs and the notification matrix

-- Following up SAM problems (focus on T1s first)

Not much work recently. Move to CASTOR . Down time announcements were not getting through to the users who were testing CASTOR. T1 is returning to standard down time notification , not GOCDB automated. Some changes with SAM tests they run. Several issues showed up, they are going round sites fixing them , t1s first .

-camont

-- would like to use/test gLite-WMS [aside on plans for gLite-WMS in UKI]

What are the plans for glite WMS in the UK. There is a test installation at T1. This may need to be reinstalled so if people are testing they need to be aware.

There is an instance at IC.

- Other?

10:55 Recent GDB/MB/DTEAM discussions 11:19 actually

GridPP PMB

Met last week (as I think you know!). The agenda covered most areas that have been of recent interest:

0) Tier-1 site review (TD)

T1s just had a review no details yet

1) GridPP3 project planning (SP)

Sort of metrics that they look at

2) EGI/NGI plans (RM)

3) Disaster Planning (SB) + network resilience (PC to circulate update)

A document was prepared. What communications channel people use, who has authority to make decisions. On going

4) GridPP3 MOU (TD)

Almost in final form, an update to the one we had in gridpp2.

5) CASTOR status/ CSA07 summary (DN +)

6) Middleware issues - R-GMA status and Network area plans (RM)

Will RGMA be funded, question about whether it will be phased out, check the minutes for details. Its used for APEL accounting at the moment. Needs to be kept running while APEL still uses it.

7) Tier-2 Hardware Allocation result/process (SL)

Results were discussed. If allocation was less than £20k. Are sites adequately rewarded.

Questions about National resource?

8) Tier-3 (RJ)

GridPP DTEAM

- Recent input from Graeme who has been getting involved with ATLAS production work.. latest on Panda "Would like UK to be moved across to complete Panda production by start of December. Rest of EGEE cloud will follow."

- Stephen has kept us informed on ATLAS use of CASTOR. The latest release has gone well. Now a plan to close dCache in 6 months time.

Plan to close dcache in 6 months at T1.

- GridPP Tier-2 hardware allocations

- The biomed user issue. The activity stopped but a new way is being sought to do things properly. [Question to geant4 supporting sites]

User who submitted jobs that were not appropriate for biomed VO. Now looking at putting that work in a sub VO of geant4. Geant4 VO is there to validate the releases of geant. Geant4 is a detector simulation Most UK people against using geant4 vo in this way. They should setup a new one.

- Occasional APEL issues. Are there any at the moment?

EGEE/OSG/WLCG ops & ROC manager's

- SpecInt2000 "How To" from the HEPiX working group [<http://tinyurl.com/2of7vm>]

- response on our request 14A: "Provide administration tools such as add/remove/suspend a VO, a user, add/remove/close/drain a queue close a site (on site BDII), close a storage area". Claudio Grandi remarked:

There should be stop/start available for all services. If there are missing features for clients, then anworking group should be setup.

1. "Start/stop are available for all services. Misbehaving commands are bugs: submit a bug to Savannah if you think the start or stop of a service is not doing what expected (e.g. processes left behind, etc...)"

2. "Missing features are better identified by clients. We propose to form a group within SA1 with the aim of developing a service management interface for all gLite services."

- A ROC-Site Service Level Description (SLD) document is almost final:

<https://edms.cern.ch/document/860386/0.5>. Similar to MoU but less constraints. E.g. Minimum site availability 70%. Maximum time to acknowledge GGUS tickets - 2hrs, and to resolve GGUS incidents 5 working days.

Resolving incidents within 5 days is new. Can discuss within the t2s.

- ATLAS VO Views problems (any left?)

Are there any UK sites still with problems?

GS: There may be some with open tickets.

WLCG GDB/MB

- Attempting to find a way out of the long standing deadlock on pilot jobs/glexec. Take a look at John's summary from the MB: <http://tinyurl.com/2wt3t6>. "WLCG sites must allow job submission by the LHC VOs using pilot jobs that submit work on behalf of other users."

More contentious bit is that they are proposing the glexec be in suid mode, most sites had objected, but there are other security concerns if we do not use suid. Team of people looking at the code, recommend it be tested against batch systems.

- The short-term work to get job priorities working is "ongoing"

Not much progress.

- The status of the middleware is best summarised in Markus's talk to the LHCC Comprehensive Review (the general meeting may be of interest: <http://indico.cern.ch/conferenceDisplay.py?confId=22243>) last week <http://tinyurl.com/2qytlm>. The talk also offers a good summary of the current build, configuration and test process.

32-bit:

-- LCG-CE now ported (with torque) SL4+VDT1.6 (released?)

Should see the announcement this week, has anyone seen it? ... No

-- CREAM-CE - expect certification to start January 2008

Will be a period of about 3 months before it goes into production.

-- WMS/LB gLite 3.1 SL4 - in testing (IC)

-- BDII on SL4 PPS this week

-- DPM & LFC - internally tested but ongoing configuration

Not quite in PPS yet.

-- gLite-SE dCache - ready for certification. Is the 32-bit version needed?

Not sure there is a need for a 32 bit version.

GC: Lancaster have 32 bit dcache?, yes.

JC: would you be opposed to moving to 64bit.

GC: Is the h/w compatible

MD: Some h/w is not 64bit.

JC: Question for the storage group to follow up.

64-bit:

-- Priorities - WN (in runtime testing), Torque_client, DPM_disk & UI

Early 2008

- Migration to SL4 will be complete in early 2008. In parallel porting to SL5 will start.

Expect this to be much quicker than SL4

11:05 SRM2.2 actually 11:40

- Brief reminder/summary of workshop (see also Greig's blog entries and the storage meeting minutes)
- Next steps for sites

60 people attended. SRM2.2 concepts introduced, talks, and hands on sessions. Test DPM and dcache systems available to play with. Space allocation etc. Good Feedback, enjoyed testing the new technology. Some bugs found, which were helpful for the developers. Some talks from the experiments, ATLAS and CMS not yet clear how they are going to use the new functionality. Sites should review the material from the workshop. 1.8 of dcache contains the SRM2.2. T1s are upgrading and Matt has upgraded Lancaster. Other sites should wait until the bugs are sorted. DPM 1.6.5 we are running at the moment has SRM2.2 which runs on port ...

New version 1.6.7 is out and people are recommended to upgrade. It will move into release shortly, and will support 64bit. Plenty of info in the blogs. JC: Thanks to GC for organising this successful workshop.

11:10 GGUS and UKI ticketing systems Actually 11:47

- Comments on tickets received recently
- Problems/concerns with the interface
- Particular tickets that should be followed up

DR: Can we confirm how to close tickets....Status = solved works for ggus. And probably footprints too.

SM: Yes it should work for footprints.

JC: Open question on tickets which are relying on users to close. JC would like to see these close automatically after 3-5 days, but others object to this.

SB: It depends a bit on the timing, if the user opens a tickets and gets an immediate response then you can expect the user to responds straight away. If it had been left for months then you may say the user should have more time to respond. Is this just an exercise in manipulating the statistics.

JC: Was thinking of the situation when the site feels the ticket is solved but is waiting for the user to confirm. May be the site should close and if the user objects they can re openit.

11:15 Enabling VOs actually 11:52

- Still looking for sites to support supernemo

- Glasgow has now joined NGS (support ngs.ac.uk) and passes the NGS tests (<http://tinyurl.com/yuqdvx>). Hopefully more sites will join.

Oxford is in the same position as Glasgow in that we support the NGS VO. The meeting to approve the sites is on December 6th. This is the first stage to better integration with the NGS

- EGEE catch-all VOs - what is the UKI position?
- The recent biomed problem highlighted again the need for an EGEE wide catch-all VO. What are your views on this matter?

PG: is this something that the regional VOs would cover.

JC: NO I'm thinking about EGEE wide users.

BW: It sounds like we should be making setting up a VO much easier.

JC: The problem is setting up and killing afterwards is very difficult

It would depend on the AUP.

BW: If sites have to keep an eye on what users in a catch all VO are doing it put too much of a load on sites.

- What is the status of the Tier-2 VOs

- Are there any significant changes with respect to local users getting more interested in using the EGEE infrastructure?

11:25 AOB Actually 12:01

- This week was the Service Reliability Workshop at CERN:

<http://indico.cern.ch/conferenceTimeTable.py?confId=20080>. Some parts may be of interest but much is aimed at Tier-1s

Probably less relevant to our sites.

- Next week there is a GDB: <http://indico.cern.ch/conferenceDisplay.py?confId=8508>. Let me know if you have things you would like mentioned. There is also a pre-GDB meeting with a focus on data transport: <http://indico.cern.ch/conferenceDisplay.py?confId=20248>.

Let JC know of any input

- ATLAS also have a meeting next week. A jamboree no less!
<http://indico.cern.ch/conferenceDisplay.py?confId=23620>. The UK seems well represented. As always, if you have questions you want answered then let one of us (see attendee list) know.

Let one of those who are going now of any questions you wish to be raised.

- Marian Klein (RAL PPS) has been working on xen recently and invites feedback on <http://www.gridpp.ac.uk/wiki/Xen-strap>.

Any comments

- Has anyone tried the EGEE Grid Service Monitoring prototype for Nagios discussed at the HEPSYSMAN meeting?

Has anyone tried it? No

- Next meeting 13th December (unless 20th preferred). Will confirm by email.
PG: 20th is too late people will be on holiday.

RAL T1 will have some down time next week.

CHAT WINDOW:

```
[10:19:52] Marek EVO support joined
[10:21:53] Yves Coppens joined
[10:23:22] Andrew Elwell joined
[10:23:35] Yves Coppens left
[10:25:02] Gianfranco Sciacca
[10:26:01] Stephen Burke joined
[10:26:22] Duncan Rand joined
[10:26:38] John Bland joined
[10:26:55] Andrew Elwell [OT] Any Mac users always find that evo
starts
in the top right hand corner of the screen with no window manager? I
always have to do Koala -> Reset windw position to get a window
manager
bar
[10:28:23] Derek Ross joined
[10:28:56] Ben Waugh joined
[10:28:58] Gianfranco Sciacca
[10:29:16] Marek EVO support I'm running mac too and never saw this
[10:29:33] H.323 User joined
[10:29:36] Andrew Elwell OK - I'll rm ~/.Koala once the meetings over
[10:29:58] Phone Bridge joined
[10:30:04] Yves Coppens joined
[10:30:29] Ben Waugh yes, we are on H.323. Can anyone hear us?
[10:30:48] Peter Love joined
[10:31:00] Marek EVO support he should write to evosupport, so we can
see why.
[10:31:15] Matthew Doidge joined
[10:31:20] Winnie Laccesso joined
[10:31:26] Yves Coppens left
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[10:31:34] Graeme Stewart joined
[10:31:39] Santanu Das I think I got it now, but no sound
[10:31:59] Ewan Mac Mahon joined
[10:32:30] H.323 User left
[10:32:40] Ben Waugh left
[10:32:43] Yves Coppens joined
[10:32:48] Greig Cowan joined
[10:33:21] Ben Waugh joined
[10:33:26] Rob Fay joined
[10:33:46] Brian Davies joined
[10:34:57] Brian Davies left
[10:34:59] Winnie Lacesso At Bristol it has to do with the not-really-production testce02. Yves is working on it.
[10:34:59] Brian Davies joined
[10:36:49] Brian Davies left
[10:37:20] Brian Davies joined
[10:38:02] Brian Davies left
[10:40:08] Ben Waugh no, not sharing storage
[10:40:24] Andrew Elwell Ben / Gianfranco - Is there any progress on getting your gridmon box instaleld at UCL somewhere?
[10:41:35] John Ryan joined
[10:45:21] Ben Waugh will talk about gridmon box at UCL and e-mail you
later, Andrew
[10:46:38] Alessandra Forti joined
[10:47:16] Andrew Elwell Ben - Ta
[10:54:45] Phil Roffe joined
[10:57:21] Mona Aggarwal joined
[11:04:02] Pete Gronbech can you speak louder please Graeme
[11:14:07] Alessandra Forti left
[11:14:08] Alessandra Forti joined
[11:14:10] Alessandra Forti left
[11:14:10] Alessandra Forti left
[11:14:11] Alessandra Forti joined
[11:14:18] Alessandra Forti left
[11:14:18] Pete Gronbech left
[11:14:20] Pete Gronbech you are muted Graem
[11:14:20] Pete Gronbech joined
[11:14:25] Alessandra Forti joined
[11:20:41] Brian Davies left
[11:27:23] Greig Cowan www.cern.ch/geant4
[11:28:07] Ewan Mac Mahon I think it's pretty clear that the correct approach is to simply set up a new VO and ask sites to support it.
[11:46:03] Greig Cowan
<http://gridpp-storage.blogspot.com/search/label/workshop>
[11:46:10] Greig Cowan
<http://www.gridpp.ac.uk/news/-1195861614.689700.wlg>
[11:55:23] Phil Roffe left
[11:59:27] Ewan Mac Mahon It's worth noting that the ngs VO is a large catch-all VO already.
[11:59:41] Ewan Mac Mahon Not EGEE-wide, but similar principle.
[11:59:51] Rob Fay left
[11:59:59] John Bland left
[12:02:14] Giuseppe Mazza sorry, I have t leave
[12:02:22] Giuseppe Mazza bye
[12:02:45] Ben Waugh also have to leave for another meeting
[12:02:52] Ben Waugh left
[12:04:51] Winnie Lacesso left
[12:04:53] Graeme Stewart left
[12:04:53] Alessandra Forti left

[12:04:57] Andrew Elwell left
[12:04:57] Duncan Rand left
[12:05:00] Peter Love left
[12:05:01] Mona Aggarwal left
[12:05:05] Phone Bridge left
[12:05:05] Greig Cowan left
[12:05:05] Ewan Mac Mahon left
[12:05:07] Barney Garrett left
[12:05:12] Matthew Doidge left
[12:05:13] John Ryan left
[12:05:16] Stephen Burke left
[12:05:30] Yves Coppens left
[12:06:56] Pete Gronbech left
[12:08:31] Ewan Mac Mahon joined
[12:09:16] Ewan Mac Mahon left
[12:13:15] Santanu Das left
[12:15:28] Giuseppe Mazza left