

HEPSYSMAN 091112

Glite to EMI upgrade.

Glite dropping off support and security pressure to upgrade.

Although EMI 1 had been around for a long time most sites had not yet upgraded.

EMI2 came out at about this time so most sites opted to migrate from glite direct to EMI2.

Glite WN is still supported for a little while but due to the requirement of moving to a newer version of torque that uses 'munge' (with the ce) sites are forced to upgrade the WN as well so that the torque versions are the same on both the ce and the WN.

VO uncertainty, but sites being pressured to upgrade due to deadlines.

Atlas DPM client library issue (not seen at Oxford). There are still 32 bit releases in circulation but they are not used very often. All testing is done with 64 bit, so sites would pass tests but may fail the odd user job. AF: The 32 bit libs are now included in the current release so this will no longer be a problem.

T2k issue when some sites including Oxford accidentally forgot to install CVS when they reinstalled the WNs. This was a site issue and was fixed asap. VOs should just ticket sites which fail as they had correctly detailed their requirements in the OPS portal.

Lcg-cr tools issue now fixed, where it did not query bdii's properly.

Run fix, run yaim, run fix again. The bug that the cream ce db got overwritten. WMS thinks that the job is no longer in the ce.

LHCb has a ticket against QM because ...?

By default all job states are recorded in a db.

6 states for the job, kept in sql db, for 10 days, can change this /etc/cream.xml to 5 days.

Matt: Mysql configs tweaks depending on how big your ram is.

Anodb buffer size.

Read the Docs!! (The EMI docs are quite good).

Oxford did have an EMI 1 argus server, for the test ce (t2ce02),

Andrew Washbrook commented that there is a typo in the argus manual, it was suggested he create a ggus ticket.

Argus server has a policy file that lists which ce's /services can query it, so need to add all the ces.

Did need a restart of argus server after reconfiguring.

GridPP wiki, Oxford, notes are available.

So user banning can be done on the argus server and this affects all the ce's.

In the future there will be a central banning service.

Action: KM to test whether the central banning actually works!

One of the main reasons sites had been slow to upgrade was the conflicting view coming from the LHC VOs vs the EMI /EGI software side.

Thanks to Alessandra Forti for showing Atlas that sites had upgraded and were passing tests which gave the go ahead for the mass to migrate.

UMD?? Generally too far behind with bug updates so in practice sites are using EMI2.

The down side here is that when new updates come out they are not very well tested so it is recommended to switch off automatic updates. When you do upgrade it is often required to update site-info.def and re run yaim.

Repo's

SL, EMI repo 2 sl5 64 bit repo, (just one much simpler now), EPEL.

Yum priorities plugin required and to be configured, so that if there is a package available in both EMI and EPEL, use the EMI one.

When we were using DAG for some glite requirements it was much more complicated. Exclude lists could be used.

Yum priorities.

It defaults to 99 which is the lowest, but anything that has been set a priority would normally override others.

Related issue , in EPEL there are packages that no longer have maintainers. EG torque, which was maintained by Steve T, but has no longer done so for two years.

By default we are installing 2.5.7, but there many bug fixes available in the newer version available in DAG.

It probably be would be good to have a gird person upgrade the version in epel, but the sites would need to be informed, as both the torque server and the WN's would need to be updated at once.

Should we be coordinating with EMI? EM thinks it is difficult to get anyone to say yes it will work.

2.5.12 could be put in epel testing repo, and must be advertised widely.

How to contribute to the Fedora project wiki, to learn about how to contribute to epel. Get a Fedora account. Karma points.

Discussion about UMD again. Staged Rollout of EMI software then should go to UMD.

Recently WMS security bugs which were fixed in EMI took months to go out to UMD despite being prodded to fix asap.

Govind has found that when some packages are updated (presumably yum) it switches auto updates back on. This sounds like a bug.

Matt found that in SL6 yum is no longer a service so is configured differently.

We know that EMI is finishing soon and there will be nothing following it.

EGI will also end about 1 year later and it is uncertain what will happen.

There is a proposal document that was presented at the GDB.

Openstack demo Kashif Mohammad.

Many components which are all different projects themselves.

Vomssnooper

The need to keep the Vo requirements (from the Ops Portal) upto dat in the sites config files.

Had a web page with a copy of the site-info.def. file entries for a VO that sites could cut and paste without much need for editing. Unfortunately a web page like this can go stale very quickly and if no one is tasked to keep checking that the entries are up to date.

The voms snooper tool attempts to automate that.

Small VO support

Alex Finch on t2K. They have assumed the grid does things and then found out that it doesn't work how they expected.

John Green New Security Officer for GridPP

AF Sharing tools.

Should try to use the sysman repo for sharing tools that might not be polished enough or externally useful to outside communities so would not load on epel etc.

Robin Long

RHEL 6 gotcha's and expectations for 7

Yum no longer a service type thing.

Network card names can be different esp on dell nodes. Race condition at QM on WNs between 1 gbit and 10 gbit cards.

Alex Owen talked about installers etc.

BIOS dev names only Dell follow the standard first motherboard interface is called em1?

Selling kit and disposal what do sites do?

Tarballs how to do it why more people don't use it etc...

Overview of Nagios monitoring.