



Meeting Summary

July 4th GDB meeting @CERN
John Gordon

This is not a summary of the whole meeting but only issues for GDB.

Agenda <http://indico.cern.ch/conferenceDisplay.py?confId=8485>

Accounting

Storage Accounting (Greig Cowan)

Storage accounting information is harvested reliably from the BDII but we have almost no feedback from sites on the correctness of the data. Data is collected per GlueStorageArea (disk pool). There are known to be multiple counting issues for sites which shares pools between VOs when using the default information providers for DPM and dcache. The latest DPM provider behaves correctly and there is a modified driver available for dcache.

We believe that LHC VOs at T1s do not share disk pools in dcache but cannot be sure.

Management Issues (John Gordon)

- The number of T1s who publish fully to APEL has been rising. See separate presentation on July 10th to MB.
- The CB has been asked for details on Tier2s and their federations where appropriate. This will be used to produce consolidated reports for CRRB.
- Data is being received from OSG for their Tier1s and most Tier2s. All Tier2s will publish when they installed the latest OSG software release very soon.
- Contact has been made with relevant people in NDGF. They are implementing a central SGAS service from which they will publish to the APEL repository.
- Very few sites have switched on userDN publishing. A prototype portal to display DN information exists but requires the policy document.

Technical Issues (Dave Kant)

There is a patch going through certification dealing with issues on Multiple CEs, User DN encryption, and VOMS roles/groups. If the experiments want to see any of these they should promote the patch #1164 at TCG.



Middleware Issues

SL4 (John Gordon, Markus Schultz)

The SL4 WN release has been in production for a month but the uptake has been disappointing. Sites were concerned that the SL4 middleware release did not contain all the rpms required by the experiments that were previously included in SL3. Markus said this was a deliberate choice to remove operating components from the middleware packages as this had been a criticism from sites in SL3. Not all experiments had updated their VO Cards to include any extra rpms that they required. Metapackages would be even better. ACTION 1 – all experiments to have updated their VO cards by Operations Meeting on Monday 9th July. Only ATLAS was present at the weekly operations meeting. ATLAS and LHCb cards are complete. This needs to be actioned urgently as there will be no widespread deployment until the requirements are known.

Separate lists of rpms have a risk of circular dependencies and clashes for sites who try to all install for more than one experiment. ACTION 2 Someone (LAL and UK sites have started testing this.) to attempt installing rpms for all 4 experiments on a test box to check out the dependencies. Target date 7 days after Action 1. If there are no problems then the message to all sites is to move to SL4 as soon as possible, and by the end of August at the latest. If there are problems then ACTION 3 - SA3 should help resolve them and/or find out which combinations of experiments are problem-free. Target Action 2 + 7 days.

The experiments all said they were happy to run on SL4 with CMS expressing a strong preference for SL4 for their planned production. I think it is important to progress the actions above this week in order to give sites the all clear to deploy SL4. Otherwise we risk many sites waiting until summer is over before upgrading.

Markus was concerned about the proliferation of releases/versions he was required to support. He proposed

- **Release the changes that are in the pipeline**
 - In their current incarnation (mostly SL3 + VDT 1.2)
 - WMS, gLite-CE, FTS-2, gfal, lcg-utils
- **Then concentrate for updates and new releases on:**
 - SL4 and VDT-1.6
 - Services and clients
 - First 32 bits
 - Then 64bits for clients and selected services (DPM)
- **What about the SL3 sites????**
 - They stay with the versions that they have until they can move
 - The gLite build system will be maintained for security updates



Worker Node Disk Requirements (Kors Bos)

Kors set out ATLAS thinking on WN disk requirements for several models. He was encouraged to try using posix i/o to read merge files from the SE which will reduce the WN disk footprint.

Security

Operations (Romain Wartel)

Romain gave an outline of the planned operational security work. It was good to see some disaster recovery planning in this area.

Policies (Dave Kelsey)

New top level policy document is in final round of approval by email. Should be with MB soon.

VO Operations Security Policy – draft under discussion by JSPG. Similar form to Site Operations. Should be with GDB in September or October

Grid Services Policy – too soon for generic one. Start with VO Boxes, Pilot Jobs, Portals.

VO Box Policy written last year by working group but never formally signed off. Do this now.

Pilot Jobs – draft 0.1 at JSPG

Data Policy – too generic. Start with Accounting Data

Discussion

There is still a requirement seen for more coordination of how middleware and applications interpret security identity information. There is no one place to discuss this and no-one wanted to start YASG. It was decided to produce a written discussion paper and circulate it to various bodies (MB, GDB, MWSG, TCG, JSPG,...) and see what falls out. As a starter the meeting identified 7 issues for which the solution/agreement was undecided or ambiguous.

GLExec