

## Comments on VO SAM Results – February 2009

### ALICE

SAM Report for ALICE (Feb 2009)

#### General points:

1. It has been scheduled together with the SAM experts the migration of the current SAM UIs to the new ones during the week after the EGEE UF4. During Feb 2009, all tests have been therefore executed from the old SAM UIs
2. The WMS nodes used for jobs submission purposes through SAM have migrated in Feb 2009 from the old and deprecated WMS of ALICE to the SAM WMS.
3. It is expected to put the ALICE newest WMS@CERN (wms214, wms215, wms221) into the new SAM UIs for job submissions. In this way we will ensure that:
  - a) We do not overload the SAM WMS
  - b) We will have a SAM environment for the testing of the CEs similar to ALICE real conditions (production)

#### T1 results for Feb 2009

==> In general all sites have suffered of a NON AVAILABLE results around the 9th-10th of the month. The reason must be found in the submitter certificate (so me). The user certificate was renewed during those days but not properly distributed to the SAM UIs preventing therefore the good behavior of the tests. This is therefore an issue totally independent of SAM or the T1 sites and it is due just to the certificate status of the submitter

==> For the rest of the month there are not remarkable issues as it can be observed in the plots but at CCIN2P3. The 28th of February, the CE began to suffer of some instabilities. Having a look deep in the SAM results, we can see that the problem is associated to a local problem in the batch system. "job got an error while in the Condor G" is the reason for failures in the submitted test jobs. (see attached file). Comparing with the ALICE production that day through CCIN2P3, also a lack of jobs is observed around that day.

### ATLAS

ASGC: CE problems till ~8th of Feb, then since the 26th the problem that everyone knows

BNL: the SRMv2 and LFC are tested, but the results still not published due to problems with naming conventions. James Casey is working on it

CERN-PROD: 21-22 of Feb SRMv2 problems with srm-atlas.cern.ch MCDISK

FZK: SRMv2 overloaded

SARA-NIKHEF: first days of Feb LFC was down.

TRIUMF: few SRMv2 inefficiencies during the 13-17 of Feb.

## CMS

FZK: SRM was very unreliable in the first half of the month, due to a severe PNFS bottleneck.

ASGC: before the fire, a couple of days with SRM server connection problems.

RAL: CE unreliability on 21/2 was due to a few SAM failures happening in the (small) fraction of the day which was not covered by a scheduled downtime.

FNAL: low CE reliability on 13/2 is not visible in the Dashboard SAM portal. I suspect a problem in Gridmap, as it does not show any test result for that day (even if CMS tests were run normally).

## LHCb

the February service reliability has improved a lot since the previous months for LHCb. You would appreciate indeed how, from the 5th of February onward (when I had to unset the criticality of the Dirac-USER SRMv2 test, whose output is still too cryptic for sysadmins as it is today) almost always the tests were OK.

Testing (almost all this month) sites only using a "clean" set of tests that we rely since ages on (for both SRMv2 and CE) we had also a way to cross-check whether effectively we are in a position to achieve 100% of site reliability as other VOs do (running trivial tests).

This has been the case (if you drop the first days results when we were still running this unit test failing and being not fully understood by sites) for February. Having these tests failing we also traced a good correlation with the effective status of the site services the day SAM jobs were failing too.

The plan is to reintegrate gradually unit tests against all space tokens for LHCb in the coming months starting from this stable of critical tests.

But this could only happen after reworking a bit with the code it self to produce meaningful output for sysadmins.