Subject: RE: [LCG MB]VO specific SAM tests
From: "Roberto Santinelli" <Roberto.Santinelli@cern.ch>
Date: Mon, 17 Nov 2008 17:49:26 +0100
To: "Philippe Charpentier" <Philippe.Charpentier@cern.ch>, "Alberto Aimar" <Alberto.Aimar@cern.ch>

Dear Alberto and Philippe,
I can add further comments to what said for LHCb, may be if you like you could forward to the MB mailing list too....

October 2008- Storage service analysis:

SRM tests were running (and not publishing results because not service was longer advertised as SRMv1) since the 9th of October. Accordingly the (internal) elog entry http://lblogbook.cern.ch/Operations/768 (for the contingent reason explained there) we stopped running the SRM sensors suite at all.

The SE sensor was on the other hands *not running* any test (not critical tests were defined for the SE sensor).
After the 9th of October not critical tests were howeverdefined for the SRM too (the other sensor used by GridView for site availability and reliability computation). We definitely resolved this inconsistency (turning out into a lack of test results for crucial sensors for the Storages) by converting all SRM tests into SE sensors and restarting them *but* publishing them as SE test results. This happened the 20th of October accordingly the elog http://lblogbook.cern.ch/Operations/831.

Please note that this was just a trick that re-enabled some test results publication and storage service evaluation being still SRMv2 not in the list of crucial sensors for GridView.

This would explain why from the 10th to the 20th of October we got the gray zone for the SE and for the SRM results.

After that for the Storage service we are running smoothly some lhcb specific tests documented in the usual TWIKI. We have now under test a fully exhaustive unit test from DIRAC too. Before setting it as critical following our internal policies to be sure 100% about it, we are monitoring these new sensors for a week.

October 2008- Computing element analysis

SAM suite for the CE has been upgraded in two times: the first time to insure that very basic tests were only critical and guaranteed to run at all CEs. (this becasue several subsequent bugs found in the LHCb application).

The full original suite was indeed too demanding and in general not clear whether the problems and failures were due to the infrastructure or rather were due to the LHCB application.

However for CERN the software installation test couldn't have worked too because of a long standing issue with gsiklog utility and DIRAC proxies; we set finally critical just a couple of tests of the original rich suite run via DIRAC: lhcb-os and lhcb-queue.

These same critical tests however didn't always run everywhere (exclusively depending on internal DIRAC operations). At CERN they were simply not running at all. (this justifies the lack of results for CERN CE in the last month and half of November).

Then (but only the 12th of November) we decided to brutally introduce new "old-fashioned" critical tests for the reasons explained in the internal elog: http://lblogbook.cern.ch/Operations/911.

As also reported at the weekly OSG-EGEE meeting on Monday
https://cic.gridops.org/index.php?section=vo&page=weeklyreport&view_report=2140&view_week=2008-47&view_vo=3#rapport we have introduced now (in parallel with DIRAC based suite for the CE) very baisc-infrastructure tests. This are disentangled from DIRAC and are guaranteed to run always and everywhere.

Are very basic tests inherited from ops (sharedarea test, CSH and JS) but running as lhcb production; for T1 we also have the ConditionDB access tests that gives a fair insight on the health status of the T1 as far as concerns LHCb perspective.

So for the next coming months LHCb will always provide test results for both CE and SE while SRM will have all critical tests unset (so will be irrelevant for site availability computation).

These test will be more close/targeted to test the infrastructure than the specific application and having them failing seriously implies some critical problem with the site.

Final remark: SAM portal reports for all T1 green status (not failing these new critical tests + old basic tests from DIRAC)

However GridView seems still stuck for CERN.

-----Original Message-----
From: Philippe Charpentier
Sent: Mon 11/17/2008 5:08 PM
To: Alberto Aimar
Cc: worldwide-lcg-management-board (LCG Management Board); Roberto Santinelli
Subject: Re: [LCG MB]VO specific SAM tests

Dear colleagues,
As already mentioned LHCb numbers are obviously again wrong! They are biased due to the fact that some CE tests had not been running at many sites. Therefore only the SE and SRM numbers are to be taken into account as of October 20 when they were finally certified. I attach the two availability pages for these tests as of October 20.
Please note the following:
* For GridView, NIKHEF and SARA are still two distinct Tier1s, hence NIKHEF storage is irrelevant. This should be fixed...
* RAL does not appear on the SRM page, we are going to investigate why...
CE sensors should be OK as of November 12th, except CERN (although tests are running and are OK... we shall investigate with SAM experts as well).
Apologies for the delay to get this in place, essentially due to lack of manpower. Thanks to Roberto Santinelli who made a lot of effort for getting sensors reliable in the past month!
Best wishes,
Philippe

Le 17 nov. 08 à 15:28, Alberto Aimar a écrit :

> Dear Colleagues below is again the link (from last week's agenda)
> to the VO
> specific test for October 2008.
>
> http://indico.cern.ch/materialDisplay.py?
> subContId=0&contribId=0&sessionId=0&materialId=0&confId=39179
>
> We agreed that the VOs could comment them at the MB meeting (tomorrow)
> I will add the item to the agenda.
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> Cheers.
> Alberto.

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