MINUTES of the WEEKLY TF MEETING

Date: 22nd September 2005-09-15
Time: 14:00
Place: CERN, 160-R-009

Federico Carminati, Latchezar Betev, Andreas Joachim Peters, Jaime Shiers, Pablo Saiz, Stefano Bagnasco, Patricia Mendez, Catalin Cirstoui, Derek Feichtinger, Meter Hristov

Phone Conference: Piergiorgio Cerello (Torino), Kilian Schwarz (GSI)

First Talk: Latchezar Betev. "STATUS OF PDC`05"

a) <u>Current Status:</u> Data Production. At this moment there are 8000 finished jobs (it means 8000 events) with an average duration of 8.5 hours per job.
Regarding the errors: All of them are error validation. The resubmission of 20 jobs has been performed, 19 jobs finished succesfully and 1 ran for more than 20 hours boeing finally killed by the bach system. However, there was no log files to debug the problem.

b) <u>Storage:</u> This week it was a discussion with the CASTOR2 support about the update of the space (moving from the current 6.2TB to about 40TB) which will be performed in about 2 weeks. Regarding the CASTOR1, the production stagers (stagealicedc04, dc04a, dc05) will be stopped and the hardware reused. This year it will not be necessary to have separate stager since there is a load balance system with just one entry point. Work is going on to monitor de stager space, until there are tools available to do this monitoring from AliEn.

c) <u>In terms of Site Performance:</u> FZK - Last Friday (16/09) range of IPs belonging to FZK were blocked in the CERN firewall due to excessive UDP traffic – as a consequence, FZK stopped working. The problem has been resolved yesterday.
In Houston, the resources are shutting down because of the hurricane Rita. The data in the home directories have been backup outside of the site, so the data are safe.
Yesterday it was a problem at CERN with CASTOR2, because the Oracle DB crashed. It is being fixed today.
Regarding the Xrootd fixes performed by Derek and Andreas, all the files have been registered to CASTOR2.
Last week it was reported an issue in the queues from Lyon if the jobs were running for a very short time. In this case, and in order to avoid Black holes, the queues used to be blocked. At Lyon, the BQS have been reconfigured being not longer blocked if the agents exit with little CPU consumption.

d) <u>Regarding the Monitoring,</u> there are some MonALISA additions (performed by Catalin and Pedro). This week there was a meeting with James Casey to talk about the file and network traffic monitoring through FTS. From the R-GMA GridFTPMonitor table (GridFTP), all the needed parameters are there (user, start time, stop time, volume, start point and end point). The FTS developers are working in a monitoring framework for the FTS. It is needed to add the SE information, which is more efficient using AliEn df.

e) <u>For the LCG part</u>, Stefano and Pablo reported the current status. Some jobs have been sent to test the performance of the system, using as submission point the Vo box at CERN. Yesterday night a bunch of 100 jobs were sent and some problems were observed in lxgate15. In spite of the available resources, the jobs used 6 WNs only. The first jobs arriving to these WNs ran fine, but the second jobs going inside the nodes failed, probably because of a lack of memory. In order to avoid this problem, a memory-based requirement will be included as well for agent jobs.

Still it is opened the issue of the selection of CEs per VO box. One proposed solution could be to have a possible list of CE in each VO Box. This list would contain the CE of the T1 and the dependent T2 sites without Vo Boxes. Then the external RB will decide where to submit the job.

The accepted solution is to include this information in a central ldap. And in any case keeping the list if needed.

Second talk: Piergiorgio Cerello. "FTS Testing for Service Challenge 3"

A report of the FTS performance for Alice was given by Piergiorgio.

First of all, he explained how the script they are using is done. The script generates certain number (N) of filenames and then it perform a copy and registration of a file with these N names to a certain SRM SE using as catalog the LFC. It includes the definition of the FTS Server to use and the list of the SRM endpoint in the destinations. Finally it performs the transfer by looping over the number N, it configure the corresponding job, makes the submission and get track of the status.

Right now they have tested transfers with IN2P3, CNAF, GridKa, Sinica, although Sinica is not considered as production site, GSI and Torino. Finally they have submitted 285 jobs. 242 have been completed in 98286 seconds.

They have reported the problems observed at IN2P3 and CNAF. The sites are aware of them and the origin of the problems has been solved.

There was a misunderstanding regarding the transfer from T0 to T2 passing through the corresponding T1.

It will be useful to have a meeting among SC3 developers and Alice to clarify these points.

Third Talk: Patricia Mendez. "SC3 and LCG Current Status"

LCG Status:
There is not a clear date at this moment for the LCG2.7.0 release
Not realistic at the beginning of October as it was planned (it means to stop the integration the 9th of September). LCG2.6.0 almost just released. One of the issues to update is the VO Boxes including a UI full configuration and the RB if required by the experiments. Alice requires the RB to be included inside the Vo BOX.
In order to provide this service as soon as possible, the new configuration of the VO BOX will be released sooner.

SC3 Status:
The transfers T0-T1 have been fully tested by the SC Group and the experiments
And the T1-T1 ones are being now tested. This last kind of transfers is a service on demand. The total matrix will be tested and reported to the sites and to the experiments.
The Service Phase servers are ready.

Apart of Taipei all SC3 sites have already migrated to FTS1.3 as required
FTS server at CERN is ready: Migrate to sc3-fts.cern.ch. Alice will keep for a while
using the pilot server however.

LFC server at CERN: Different DB for the pilot and production phases If required by
Alice keep using the pilot server. Since Alice has important information in the pilot
DB they will keep on having these server.
In terms of SRM, it is available in all Sc sites. At this moment we are checking the
publication of the SC3 resources in the production BDII. In this sense, it is mandatory
The publication of a tag "LCG_SC3" to recognize those sites taking part on SC. It is
as well necessary to publish the SRM resources. The FTS and the LFC servers names
and the VO Boxes have still to be published (information providers included in the
nodes). In terms of the FTS endpoints publication, this is not still available, however
it is forseen in the RPM released today.