

== ASGC T1 ==

DPM01 failure:

- * from: Thu Mar 15 14:27:57 UTC 2007
- * to: Thu Mar 15 14:50:49 UTC 2007
- * dpm01 failed and was recovered after about 30 minutes. This node also provide GRIS services for other production storage nodes. ASGC will migrate the GRIS to a dedicated server in the future to avoid the dpm service from affecting other SEs.

Network

- * After 10G module interfaces were disabled at CERN, our Replication errors recovered immediately. This reduced the availability for ASGC to 0.18 for the week.

Storage:

- * Internal testing of Castor2 has been promising. Local transfer rates test from castor1 to 4 castor2 disk servers show >120MB/s disk to disk transfer and about 60MB/s tape transfer rate.
- * Additional 2 tape servers were deployed in Castor2 for testing.
- * We expect additional LSF licences will be available this week to deploy addition disk servers prepared for castor2.

Atlas:

- * ToA updated with FTT T2 site
- * replication ratio information for ASGC cloud provided to Atlas.

CMS Loadtest

- * Due to firewall problem, castor2 diskserver refuse all connection from our WN or CERN FTS
- * We have now upated the firewall rules and PHEDEX is successfully transferring data from CERN to ASGC CASTOR-2
- * Throughput : ~60MB/s
- * Tape migration rate : ~ 60MB/s
- * Phedex monitoring: T0_CERN_Export: 43MB/s

CERN Tier-0 Site Report (19/03/07)

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Networking services

- * As announced, the central firewall system was upgraded on Tuesday morning. No problem was reported.
- * Severe perturbations of the traffic to some T1 sites have been traced to a faulty card in a router. This hardware fault appeared after the router downgrade last Thursday when the card did not checkin properly, but this was not detected. We are working with the manufacturer to understand the cause of this malfunction.

* Initial discussions on the impact of virtualization on the network infrastructure have taken place. Although this technology is very interesting for some applications, its impact on the layout of the network infrastructure needs to be carefully addressed, as this is not a simple problem.

CASTOR

- * All the DLF databases have been upgraded to Oracle RDBMS 10.2.0.3.
- * Several episodes of corruption in database blocks have been fixed. It seems to affect more frequently the LHCb DLF database server (lxfra2606).
- * Discussing the migration of Compass to Castor-2 with the experiment. The aim is to complete the migration before CDR starts at the end of May. The Compass Castor-1 stager was found blocked, because one of its servers wrongly believed it belonged to stageatlas (decommissioned early last year!).
- * Testing RPMS provided by XROOT team before deployment.
- * Repack: while short term bugs/requests have been implemented, the reliability of long repack operations still needs work.
- * Continued improvement of SRM-2 use cases and interoperability tests
- * New LSF plugin in being packaged, RPM's will be available by the end of the week and will be deployed on the Castor2 ITDC instance next week.
- * A lot of time was spent in supporting ATLAS last week and this week. They are now stressing their instance (820K SRM requests yesterday, 15 requests per second entering CASTOR).

Site Grid Services

- * CE101 and CE102 are still draining for reinstallation. Experiments are asked not to send jobs to these machines any more.
- * New CEs have been put into production: CE108 to CE115. Note that CE110 and CE111 are PPS CEs which submit to SLC4/64 worker nodes
- * CE105 has been put into draining mode because it developed a HW failure. We plan to retire the batch HW based CEs CE103-CE107 as soon as CE101 and CE102 have been drained and reinstalled
- * Since Thursday, 8/3/2007 CERN CEs are publishing additional VOMS VOVView blocks, which finalises the setup for VOMS Groups and Roles

* We are still trying to drain CE101, CE102 and CE105 but we recently got new jobs on them although there is a scheduled downtime and they are in draining mode. We ask the experiments not to use such CEs (we need to be able to do some micro management). Experiments have been informed about this.

Core Grid Services

- * As requested by LHCb, the two gLite WMS rb112 and rb117 have been reinstalled from scratch to version 3.1.
- * One gLite WMS dedicated to Atlas (rb101) upgraded to version 3.1.
- * Middleware upgrade (update 17) done on all the gLite WMS 3.0 and LCG RB nodes during the last 2 weeks.
- * CAs upgrade to version 1.13-1 on all the LCG RBs and gLite WMS.

TRIUMF Tier-1 Site Report (19/03/07)

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All machines patched and services restarted to prevent Bush DST bug. Daylight savings time 2 weeks earlier than usual in US/Canada.

FNAL Tier-1 Site Report (19/03/07)

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1. We had trouble with "CSH working" on SAM. We traced this to bad install csh scripts in glite and in rocks. This has been repaired. It didn't affect users at all, just the SAM tests.
2. We had trouble with our global file system, BlueArc. That did cause users to experience failures and general slowness. It was fixed, but the root cause is still under investigation.

Report for Tier1 GridKa (FZK):

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All problems this week stem from the SRM instabilities. The most recent fix was installed on 14 March and since then the stability has improved.

PIC Tier-1 Report

- We have suffered from the network problem at CERN with a LHC-OPN router (GGUS 19568 - NOC #411). As a consequence we have failed almost all the SAM tests from 08/March to 13/March.

- On the 14th March in the morning, the PIC central router configuration was changed so that the whole WAN network traffic used a new dedicated 1Gbps line, instead of the current one (shared with the university). From 14th March at around noon, all the traffic to/from PIC goes through this new line.

- lcg-CE service:

+A problem with our nis system caused a CE to remain without network for a couple of hours.

+We found a bug in the apel parser that introduced globus-gatekeeper logs in the DN information for pbs entries. The apel publisher instead had as well another problem. DN's longer than 120 characters threw an exception when creating the keys to encrypt the DN's. This is preventing PIC to write the encrypted user DN info into APEL. The bug was submitted to savannah.

- LFC service: The production catalog (lfc01.pic.es) being used by ATLAS didn't work for half a day (13-March) because the yaim version we used while doing the latest update was not correct. This yaim version was the one officially released. We had to update the schema of the database following the instructions by Sophie Lemaitre after submitting a ggus ticket (19614).

- SRM-disk service: Severe problem on the 15th March at around 20:00. The SRM-disk service fails due to a severe problem with the Postgresql DB backend of the PNFS system of dCache. The logs reported that a vacuum was needed in the whole DB. The vacuum process starts on 16-March morning and ends on 17-March in the evening. On the 18-March at around 00:00 SRM-disk is put back in production, but the SRM cell fails again on 18-March at around 9h (unknown reason). This is solved on monday 19-March in the morning, restarting dcache-core in the SRM head node.

- SRM-tape service: No major issues.

IN2P3-CC T1 / ROC Report

* Dcache SE downtime scheduled on tuesday 20th march. it'll be back on the end of the afternoon.

* Since the electrical problem, WNs are progressively added to the farm.

RAL

OPN issues to CERN until 13th.

A third top-level BDII has been deployed at RAL

SARA

We have had some problems with the information system but they were solved.

One broken pool node. LHCb and ATLAS disk-only data residing on that node was lost. The experiments will be contacted about the missing SURLS.

Problems with the LFC due to the upgrade. The schema adaptation in oracle during the `configure_node` did not work.

This led to replica's not being registered. This has been fixed now.

Still memory problems with dcache gridftp doors. Cause still not clear. Watchdog scripts restart these services now.

dCache gridftpdors ran out of memory. We have fixed this by making some adaptations in the configuration.