



Status of May run of CCRC'08

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WLCG Management Board, 6th May 2008

Introduction

⤵ **Time to reset and focus on May run of CCRC'08**

- February has been extensively discussed, including yesterday at meeting with LHCC referees!
- Will start with an update from yesterday's Joint Operations Meeting
- This includes the baseline as discussed / agreed during April & the status of the experiments' preparations

➤ **CCRC'08 wiki has been updated to reflect above**

- Last week's daily (15:00) meeting minutes:
 - <https://twiki.cern.ch/twiki/bin/view/LCG/CCRC08DailyMeetingsWeek080428>

Baseline Versions for May CCRC'08

Storage-ware – CCRC'08 Versions by Implementation

CASTOR: SRM: v 1.3-21, b/e: 2.1.6-12

dCache: 1.8.0-15, p1, p2, p3 (cumulative)

DPM: (see below)

StoRM 1.3.20

M/W component	Patch #	Status
LCG CE	Patch #1752	Released gLite 3.1 Update 20
FTS (T0)	Patch #1740	Released gLite 3.0 Update 42
FTS (T1)	Patch #1671	Released gLite 3.0 Update 41
gFAL/lcg_utils	Patch #1738	Released gLite 3.1 Update 20
DPM 1.6.7-4	Patch #1706	Released gLite 3.1 Update 18

Service Interventions / Status

Date	Intervention	Reason / Affecting
5 May	Intervention on VOMS services (lcg-voms.cern.ch and voms.cern.ch)	<ol style="list-style-type: none">transparent intervention to voms-core (Proxy Generation) and voms-admin (GridMap File Generation) at 13:00 UTC for 2 hours.short complete stop of vomrs at 14:00 UTC for ~30' (registration processing stopped).

- CASTOR2 at CERN:
 - C2ATLAS & C2CMS have been upgraded to 2.1.7
 - C2ALICE & C2LHCB remain at 2.1.6, as do external sites
- DB version at Tier-0: Oracle 10.2.0.3 with January CPU*
 - Increase of usage of FTS agents and webservices since yesterday morning (links in slide notes);
 - On experiments' databases no load changes (yet) seen.

* N.B. in this context "Critical Patch Update". (Thank you, Oracle)!

Mail

Favorite Folders

- Inbox [1737]
- IT/GS [216]
- EGI_DS [270]
- C5 (2)
- ISGC (1)
- For Follow Up [12]
- Travel
- CIC-INFORMATION [42]

Mail Folders

- All Mail Items
- Mailbox - Jamie Shiers
- Archive Folders

Mail

Calendar

Contacts

Tasks

CIC-INFORMATION Search CIC-INFORMATION

From	Subject	Received	Size	Categories
Date: Yesterday				
cic-informa...	END of PSNC/UNSCHEDULED downtime : 05-05-200...	Mon 5/5/2008 17:...	9 KB	
cic-informa...	END of PSNC/UNSCHEDULED downtime : 05-05-200...	Mon 5/5/2008 17:...	10 KB	
cic-informa...	START of IN2P3-LPC/SCHEDULED downtime : 06-05-20...	Mon 5/5/2008 16:03	9 KB	
cic-informa...	START of IN2P3-LPC/SCHEDULED downtime : 06-05-...	Mon 5/5/2008 16:...	10 KB	
cic-informa...	START of CERN-PROD/SCHEDULED downtime : 05-05-...	Mon 5/5/2008 15:59	9 KB	
cic-informa...	START of BEIJING-LCG2/UNSCHEDULED downtime : ...	Mon 5/5/2008 15:...	9 KB	
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cic-informa...	START of CERN-PROD/SCHEDULED downtime : 05-05-...	Mon 5/5/2008 15:58	9 KB	
cic-informa...	START of IN2P3-CC/UNSCHEDULED downtime : 05-0-...	Mon 5/5/2008 15:...	9 KB	
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cic-informa...	END of SPACI-CS-IA64/SCHEDULED downtime : 29-0-...	Mon 5/5/2008 14:...	11 KB	
cic-informa...	END of JINR-LCG2/SCHEDULED downtime : 28-04-200...	Mon 5/5/2008 14:10	10 KB	
cic-informa...	END of INFN-CNAF/SCHEDULED downtime : 28-04-20...	Mon 5/5/2008 14:10	9 KB	
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cic-informa...	START of BIFI/SCHEDULED downtime : 05-05-2008 19...	Mon 5/5/2008 14:...	11 KB	
cic-informa...	START of BIFI/SCHEDULED downtime : 05-05-2008 19...	Mon 5/5/2008 14:...	10 KB	
cic-informa...	START of BIFI/SCHEDULED downtime : 05-05-2008 19...	Mon 5/5/2008 14:...	10 KB	
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cic-informa...	START of INFN-LECCE/SCHEDULED downtime : 05-05-...	Mon 5/5/2008 12:...	10 KB	
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cic-informa...	START of PSNC/UNSCHEDULED downtime : 05-05-20...	Mon 5/5/2008 08:...	9 KB	
cic-informa...	START of PSNC/UNSCHEDULED downtime : 05-05-20...	Mon 5/5/2008 08:...	10 KB	
cic-informa...	START of FMPhi-UNIBA/UNSCHEDULED downtime : ...	Mon 5/5/2008 01:...	10 KB	
cic-informa...	START of FMPhi-UNIBA/UNSCHEDULED downtime : ...	Mon 5/5/2008 01:...	9 KB	
Date: Last Week				
cic-informa...	START of PPS-CNAF/SCHEDULED downtime : 28-04-...	Mon 4/28/2008 1...	10 KB	
Date: Two Weeks Ago				
cic-informa...	END of NCP-LCG2/SCHEDULED downtime : 23-04-20...	Wed 4/23/2008 1...	8 KB	
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Date: Three Weeks Ago				
cic-informa...	START of DESY-HH/SCHEDULED downtime : 28-04-200...	Fri 4/18/2008 18:16	9 KB	
cic-informa...	END of cSTCDie/SCHEDULED downtime : 14-04-2008 ...	Wed 4/16/2008 0...	8 KB	

END of PSNC/UNSCHEDULED downtime : 05-05-2008 06:15 to
 cic-information@in2p3.fr
 Sent: Mon 5/5/2008 17:04
 To: atlas-comp-oper (ATLAS Computing Operations)

Dear atlas mailing list,

You have been recognized as atlas VO Manager. Consequently, you are receiving this notification as this downtime is considered to be relevant for the organisational entity you represent.

 UNSCHEDULED Downtime period

Start of downtime [UTC]: 05-05-2008 06:15
 End downtime [UTC]: 05-05-2008 15:00

 Entities in downtime

Node : se.reef.man.poznan.pl
 Hosted service(s) : SE, SRM,

 Description

Link :
<https://goc.gridops.org/downtime?id=8405371>
 Severity : OUTAGE

ATLAS Plans (w/e)

1. Plans for the weekend: run the T0 load generator at 40% of nominal rate (350MB/s out of CERN) till monday morning. This will test: - FTS pilot service at CERN also with the new configuration for the shares - New version of ATLAS DDM site services curing the bug of duplicated entries in LFC In addition, the site services will run on 64bit hardware in compatibility mode (new installation this morning). Only T1s with > 5TB on ATLASDATADISK will take part to the exercise (all except SARA, but I need to verify)
 2. Plans for the next week: - tests of the new ATLAS central catalog (version 1.0). To0 load generator will be run against the new catalog (separate endpoint) for 2 days. After this, a decision will be made weather the new catalog should go in production or the old one needs to be kept. - T1-T1 functional tests for TW cloud.
 3. **Migration to SRMv2 at CERN is completed.** The only access to CASTOR@CERN via grid is now srm-atlas.cern.ch which is v2. All other endpoints, including castorgrid (classic SE) have been decommissioned. No complaints from users and no obvious problems observed. Thanks to everybody.
- <https://prod-grid-logger.cern.ch/elog/CCRC'08+Observations/72>

ATLAS Plans

- Dear T1s,
We just started CCRC08 activities. I remind you, in week 1 (this current week) we will carry on the DDM functional test with the latest site services release. Fake data will arrive in approx 2 hours.
- Details:
 1. The T0 load generator will run for 3 days at 40% of nominal rate
 2. Single copy of RAW data will be distributed to DATATAPE endpoint at T1, with a ratio according to MoU. *single* copy of ESD will be distributed to DATADISK endpoint at T1, with a ratio according to MoU. AODs will be distributed to all T1s to DATADISK endpoint.
 3. The Tier0 VOBOX will serve those transfers for all sites (including BNL).
 4. NDGF will use LFC catalog.
 5. Dataset pattern is ccrc08_run2*.
 - Monitoring:
<http://gridui02.usatlas.bnl.gov:25880/server/pandamon/query?mode=listFunctionalTests>
 - Metric: sites will pass the test if: - they can receive more than 99% of RAW data which has been subscribed to them (both in term of number of files and complete datasets) * AND * - they can receive more than 95% of ESD and AOD which has been subscribed to them (both in term of number of files and complete datasets)
- <https://prod-grid-logger.cern.ch/elog/CCRC'08+Observations/73> and mailed to ATLAS T1s.

LHCb Plans

- Will ramp up pit->T0->T1 data transfer & prompt recons at 16:00 today (Monday) at all sites with latest version of s/w. Hopefully some still pending issues with s/w installation at IN2P3, RAL & GridKa will be resolved. Due to the job time length issues identified at NIKHEF it was agreed to set the event limit to 25k (#events to be processed).
 - <https://prod-grid-logger.cern.ch/eelog/CCRC'08+Observations/74>
- Series of site issues recorded in the elog (also for ATLAS):
 - <https://prod-grid-logger.cern.ch/eelog/CCRC'08+Logbook/>

CMS Report (OPS meeting)

- **Data certification, Processing at the T0:**
 - CERN CPUs busy mostly with CMSSW 205 ReVal production. Validated releases: CMSSW V2.0.5. On the Tier-0 side, we had the Castor upgrade of the CMS instance to 2.1.7, plus LSF and /afs interventions. The /afs problem for cmsprod volume seems fixed (moving to a fresh volume did the trick).
- **Re-processing:**
 - Still ~10 CSA07 "long tails" workflows running HLT step. Finished most of the requests with FastSim 1.8.4, running some large MadGraph workflows. Started the iCSA08 pre-production: in progress. These data need to get back to CERN for further manipulation and injection to T1 sites for the CSA08 exercise.
- **MC production:**
 - DPG requests with CMSSW_184: 10M cosmos done, 4M cosmic (4T) done (GEN-SIM-DIGI-RECO) (running AlcaReco), 6M BeamHalo done, 4M MinBias done, 1M Zmumu done; 4M cosmic (0T) will start soon. DPG requests with CMSSW_177: 1M TIF cosmos (all files at CERN, Reco can start). FastSim production with CMSSW_184: 8 QCD workflows (6 done, 2 running), 9 photonjets done, 10 photonjets_etgam done, 1 Bphys done; 7 QCD workflows showed a substantial job crash so prod of these stopped and situation is under investigation. Pre-CSA08 production with CMSSW_205 running.
- **Data Transfers and Integrity, DDT-2/LT status:**
 - Production transfers in the /Prod instance of the pre-CSA data suffer of the "FILE_EXISTS" problem on Castor at CERN: Castor experts suggests it is related not to Castor itself but to the SRM11->22 upgrade, SRM/storageware experts contacted already. --- Production subscriptions older than 2 months being suspended and cleaned up to prepare for May. Change in the transfer priorities to accomodate the CSA/CCRC use-cases in May: done. Stop&start of PhEDEx agents to move PhEDEx names into more consistent CMS naming convention: done (only few sites in the tails still need fixes: no worries). --- DDT status: progress continues, now efforts go into the debugging of non-regional routes in the CCRC scope. Day by day details at <https://twiki.cern.ch/twiki/bin/view/CMS/DDTLinkExercising>, visual overview at <http://magini.web.cern.ch/magini/ddt.html>.
- **LINKs:**
Computing meetings of last week: <http://indico.cern.ch/conferenceDisplay.py?confId=33110>

CMS Update

Hello friends;

though there are many caveats and buts and ifs, the iCSA08 in terms of the pre-production and production is off to a very good start which is impressively shown in the batch slot usage in the days since we started April 30... we are seeing the production use up to almost 16,000 slots at the same time adding up a very large number of different sites.

No show stoppers yet, though many small nuisances and problems. Please continue the enthusiastic support and we might just be able to complete on schedule.

: -)

-- Christoph for the DataOps team

Attachment:

<https://hypernews.cern.ch/HyperNews/CMS/get/AUX/2008/05/06/10:37:51-25531-080506-resourcesPerSite.png>

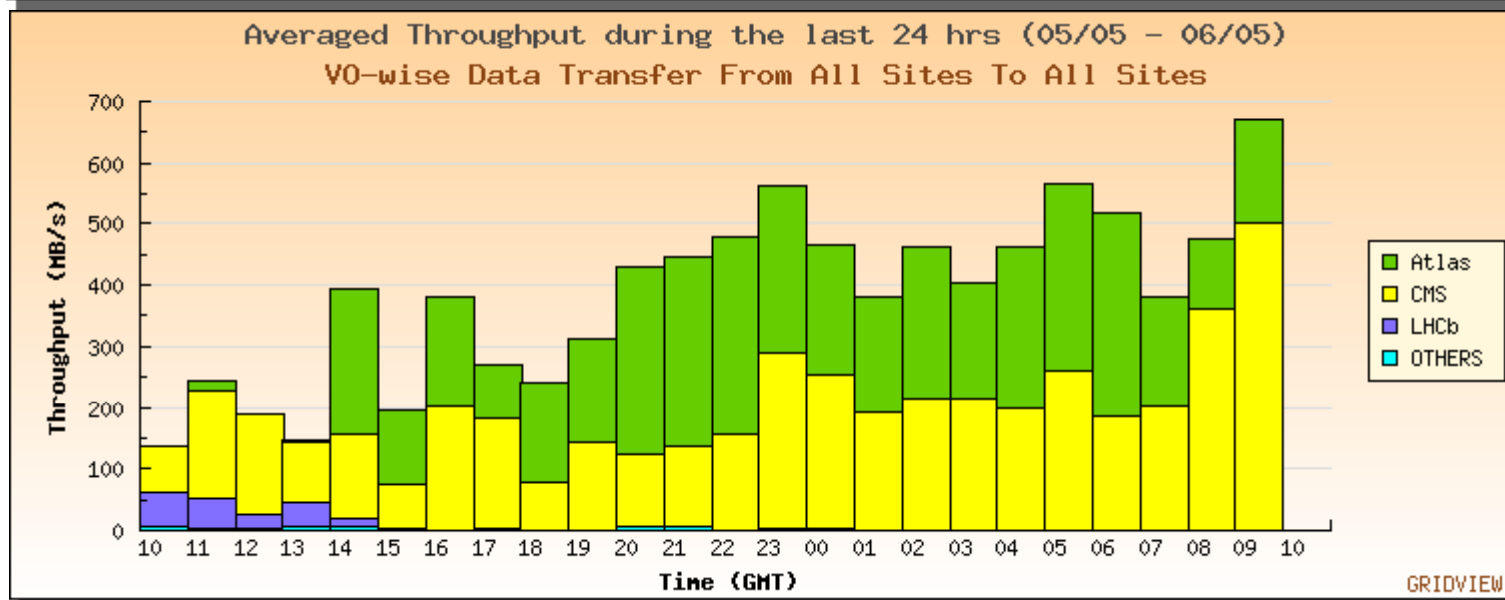
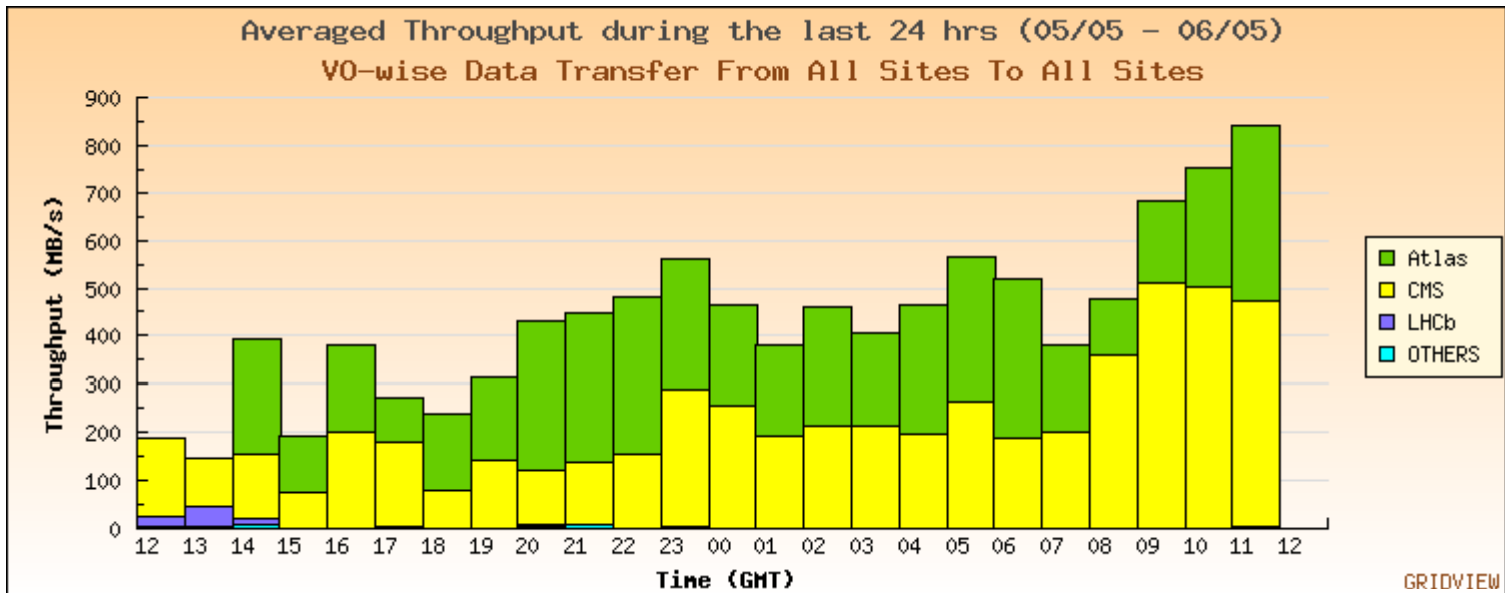
ALICE Report (e-mail)

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Calendar of activities

- ALICE commissioning exercise (RUN III) – data taking starts 18 May
 - Registration/replication/quasi-online reco
- Prior to that, we will reconstruct February/March RAW @T1s with new version of AliRoot
- MC production
 - Round 1 – from 5 May to 15 May
 - Round 2 – from 16 May
- If required by WLCG, ALICE can participate to the common data transfers T0->T1 from 5 may onward

The Obligatory GridView Plots...



Summary of the Summary

- This report will be prepared on Tuesday mornings and mailed to wlcg-ccrc08@cern.ch for verification
- It will be compiled from:
 - Minutes of the daily operations meetings (09:00 & 15:00);
 - E-log entries;
 - Reports to weekly / daily operations meetings;
 - Relevant service reports to the CERN "C5" meeting.
- It will be presented to the MB during the regular Tuesday 17:00 slot
- Suggestions for improvements / stream-lining / automation welcome!