

LCG-France Tier-1

Réunion de Coordination

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Lyon, 3 mai 2007







Table des Matières



- Disponibilité du site
- GDB de Mai 2007
- Actions en cours
 - Priorités des jobs basée sur rôles/groupes VOMS
 - Accounting stockage
 - Tests SRM v2.2
- SL4
- Milestones LCG
- Thème du jour
- Thème de la prochaine réunion

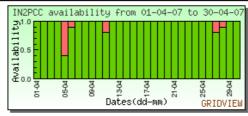


Disponibilité du site (1/3)

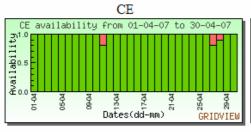


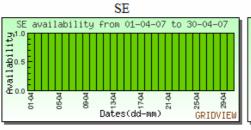
Avril 2007

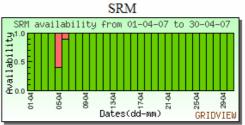
Overall Service Availablity for site IN2PCC: Daily Report

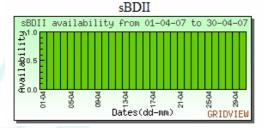


Individual Service Availablity for site IN2PCC : Daily Report









Source: http://gridview.cern.ch

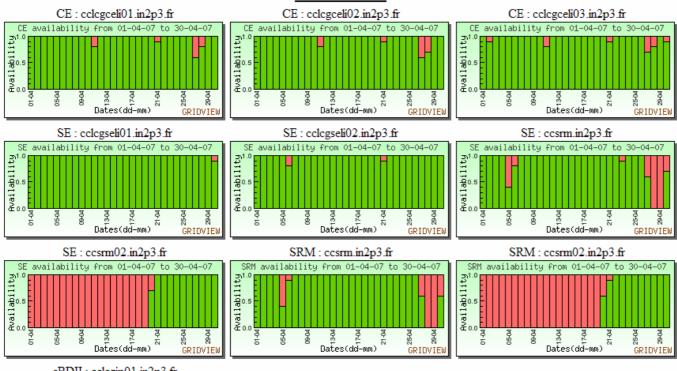


Disponibilité du site (2/3)

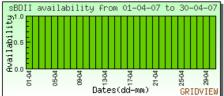


Service Instance Availablity for site IN2PCC : Daily Report

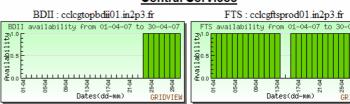
Site Services



sBDII: cclcgip01.in2p3.fr



Central Services





Disponibilité du site (3/3)



- Impact du déploiement de la TopBDII régionale/locale?
 - Premières impressions
- Y a-t-il eu des alertes remontées pour les problèmes du 27 au 30/04?
 - Y compris pour l'astreinte?



GDB Mai 2007 (1/4)



- Agenda
 - http://indico.cern.ch/conferenceDisplay.py?confld=8472
- Sujets
 - État d'avancement du middleware
 - Rapport du group de travail sur les systèmes de fichiers (Hepix)
 - 5 problèmes principaux soulevés par chaque expérience



GDB Mai 2007 (2/4)



WMS status



- 2 weeks ago achieved:
 - 15,000 jobs per day for 7 days 320 jobs (0.3%) did not run
 - These 320 were later restarted and succeeded still should fix the underlying issue
 - The restart can be automated
 - All jobs in final states
 - Stress test is not yet complete do not yet know the limit of scalability (30k jobs per day?)
 - Proxy renewal is working
 - L&B can scale much higher than WMS not a limiting factor
 - N.B. to achieve the goals, DAG-based collections were removed and a new collection mechanism introduced
- WMS (3.1) now in standard certification process
 - Meanwhile gLite WMS nodes at CERN are updated to this version for production use
 - Next release with this version will allow full deployment and replacement of old LCG-RB

Ian.Bird@cern.ch

GDB Meeting; CERN 2nd May 2007

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Source: lan Bird, <u>GDB 02/05/2007</u>

GDB Mai 2007 (3/4)



CE Status

- Current status of gLite CE
 - Close to 100% success of job submission after resolving a number of timing issues with Condor
 - Submissions of 6000 jobs to a CE (max ~3000 at any time)
 - Do not know scaling of Condor-C instances yet
 - Version with Condor-C instance per VO being set up not tested yet
 - Several Condor issues were found not yet clear on a timescale for achieving the criteria
- Fallback proposal
 - Keep the LCG-CE "as-is" there is no effort to port to SI4 (which implies GT4 and potentially many issues)
 - Deploy either on SL3 nodes (or SL4 with Xen/SL3)
- Should set up a CREAM instance in parallel and subject it to the same testing procedure

GDB Meeting; CERN 2nd May 2007

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Source: lan Bird, <u>GDB 02/05/2007</u>

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GDB Mai 2007 (4/4)







Top 5 Experiment Issues

Experiment	ALICE	ATLAS	CMS	LHCb
Issue #1	xrootd- CASTOR2	CASTOR@CERN	CASTOR: functionality & performance	Data Access from T1 MSS
Issue #2	xrootd-DPM	Integration of DDM/FTS/SRM/ GridFTP/LFC etc	SRM I/F with functionality & performance	glexec usage
Issue #3	FTS Service	(Lack of) SRM 2.2	FTS Service	File management
Issue #4	gLite WMS	Data Storage Management Tools	Workload management	Deployment procedure
Issue #5	VOMS	Stability of the Information System	Information system	Information system

Source: Jamie Shiers, GDB 02/05/2007



Storage Accounting



- Portal
 - http://goc02.grid-support.ac.uk/storageaccounting/view.php?queryType=storage&ExecutingSite=IN2P3-CC
- Situation de notre site au 02/05/2007 16h31

Disk Used and Allocated per VO (Units are TB)											
Org Unit	Site	Disk		VO			Total (TB)	Percentage			
France											
	IN2P3-CC	Used Allocated	0.005 1.815	0.000 1000.000	0.002 1.812		0.008 n/a	100 % n/a			
Table Su	mmaries										
		Used (TB)	0.005	0	0.002	0.001	800.0				
		Percentage	62.5%	0%	25%	12.5%	100%				
	CSV dump of this table										



Scientific Linux 4





Status 2nd May 2007

Enabling Grids for E-sciencE

- Building all components (CE, WMS,)
 - 99% success sl4 32
 - 82% success sl4_64
- Integration & Certification
 - UI Still one packaging bug (gLite-WMS client, #25819)
 - Patch expected today
 - No outstanding runtime problems (PPS might show some)
 - WMS Testing
 - Still installation problems (responsive JRA1, slow progress)
 - Ready to Test
 - LB, MON (except APEL), gLite-CE, (DM waiting for FTP2 patc
 - In testing: BDII, VOMS-Oracle
- PPS
 - WN Released 02/04/2007 ----> discovered problems

Note: the experimental gLite-WMS-3.1 NOT

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INFSO-RI-508833

SL4 Status and Plans 05/02/ 2007

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Source: Markus Schulz,



Priorités des jobs

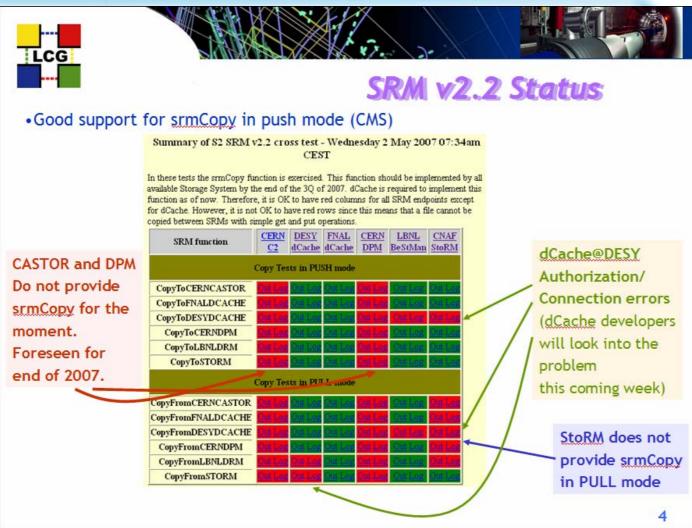


- A finaliser
 - Publication l'information dans le système d'information du site (VOViews)



Tests de SRM v2.2 (1/2)





Source: Flavia Donno, GDB 02/05/2007



Tests de SRM v2.2 (2/2)



Sites publiant des end-points SRM v2.2

https://twiki.cern.ch/twiki/bin/view/LCG/GSSDendpoints	<u>6</u> 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Information Technology 🧀 Rerefence 🗀 Technology 🗀 Press 🗀 Search Engines 🗀 Photo 🗀 Voitures 🗀 Band	que 🧀 To Read 🧀 Personnal Interest
Sa Sa	Jump Search
	Edit WYSIWYG Attach PDF Printable
You are here: TWiki > ■ LCG Web > GSSD > GSSDendpoints	r6 - 26 Apr 2007 - 16:51:08 - Main.aretico
List of available SRM v2.2 endpoints	
This is the list of available SRM v2.2 full endpoints for the dteam VO.	
CASTOR	
 CERN: srm://srm-v2.cern.ch:8443/castor/cern.ch/grid/dteam (CASTOR2 v2.1.1-9); Publis CNAF: srm://srm-v2.cr.cnaf.infn.it:8443/srm/managerv2?SFN=/castor/cnaf.infn.it/grid/lcg/Publisher:PPS-CNAF; Close to:cert-ce-01.cnaf.infn.it(PPS-CNAF) 	_
dCache	
 FNAL: srm://fapl110.fnal.gov:8443/srm/managerv2?SFN=//pnfs/fnal.gov/data/testers/NUL DESY: srm://srm-devel.desy.de:8443/srm/managerv2?SFN=///pnfs/desy.de/data/dteam (to:tb004.desy.de(DESY-PPS) 	
 BNL: srm://dct00.usatlas.bnl.gov:8443/srm/managerv2?SFN=//pnfs/usatlas.bnl.gov/data/to:???(???) 	/dteam (dCache v1.8Beta);Publisher:???; Close
 FZK: srm://pps-srm-fzk.gridka.de:8443/srm/managerv2?SFN=//pnfs/gridka.de/dteam/srm Publisher:FZK-PPS; Close to:pps-ce-fzk.gridka.de(FZK-PPS) 	tester (dCache v1.8Beta) Part of pre-production);
DPM	
CERN: srm://lxdpm102.cern.ch:8446/dpm/cern.ch/home/dteam (DPM v1.6.4); Publisher:	CERN_PPS: Close to:ixb2006 (CERN_PPS)



Milestones LCG (1/2)

24x7 Support Definition

Definition of the levels of support and

rules to follow, depending on the

WLCG-07- Feb



The 24x7 service for the site is

defined and operational since

many years, based on a on-call

		issue/alarm		Service during out of office hours. The work currently underway is the integration of the core grid services into this framework.
WLCG-07- 08	Mar 2007	Accounting Data published in the APEL Repository The site is publishing the accounting data in APEL. Monthly reports extracted from the APEL Repository.	Complete	See comments for milestone IN- 07-Q1-09. Some discrepancies between the information sent to the APEL repository and the information published through the EGEE accounting portal have been regularly observed: manual interventions to selectively republish the accounting records is necessary too often. Experts from the site are in regular contact with the GOC accounting portal on this issue. An automatic way to check that the information sent actually matches the information received and stored by the repository is highly desirable.
WLCG-07- 09	Mar 2007	3D Oracle Service in Production Oracle Service in production, and certified by the experiment(s)	Complete	The hardware and software infrastructure is in place. Tests performed by the experiment and by the LCG 3D team are satisfactory.
		Summary of Progr	ess	
General Status	not comp preventir the UPS difficultie	nis quarter we suffered a severe unsched oletely operational during several days. S ng this kind of incidents, including taking circuits to maintain under control the pow s were also observed for doing the nece cture while maintaining the site in a fully o	ome correct a fraction of ver consump ssary works	ive actions were taken for the compute farm machines out of ption in those circuits. Several for upgrading the power
Middle ware Services	powerful an impro	che/SRM hardware was upgraded and th machines were setup for supporting the wed stability of the service has been obs	component erved.	s of the SRM service. Since then,
CPU Farm	_	special to report. Continuous work for im the site batch system, BQS.	proving the s	support of grid-specific features

Extrait du rapport du CC-IN2P3 pour 2007Q1



Milestones LCG (2/3)



WLCG-07- 02	Apr 2007	24x7 Support Tested Support and operation scenarios tested vie realistic alarms and situations		
WLCG-07- 03	Jun 2007	24x7 Support in Operations The sites provides 24x7 support to as standard operations		
WLCG-07- 04	Apr 2007	VOBoxes SLA Defined Sites should propose and agree with the VO the level of support (upgrade, backup, restore, etc) of VOBoxes		
WLCG-07- 05	May 2007	VOBoxes SLA Implemented VOBoxes service implemented at the site, and tested by the Experiment		
WLCG-07- 06	Apr 2007	Job Priorities Available at Site Mapping of the Job priorities on the batch software of the site completed and information published		
WLCG-07- 07	Jun 2007	Job Priorities of the VOs Implemented at Site Configuration and maintenance of the jobs priorities as defined by the Vos. Job Priorities in use by the VOs.		
WLCG-07- 10	May 2007	3D Conditions DB in Production Conditions DB in operations for ATLAS, CMS, and LHCb. Tested by the experiments.		
WLCG-07- 11	Depl Date + 30d	SL4 Operational at Site (for WN and UI nodes) This has to happen within 30 days after the release from GD.		It is difficult to plan for a milestone without a clear associated schedule. Our capacity to meet it will depend on when the middleware will be released for SL4: summer period is a difficult one in France for such a major change in the site.
WLCG-07- 12	Jun 2007	Site Reliability above 91% Considering each 11 Tier-1 sites		
WLCG-07- 13	Jun 2007	Best 8 Sites above 93% Eight sites should reach a reliability above 93%		
	02 WLCG-07-03 WLCG-07-05 WLCG-07-06 WLCG-07-10 WLCG-07-12 WLCG-07-12	02 2007 WLCG-07- Jun 2007 WLCG-07- May 2007 WLCG-07- Apr 2007 WLCG-07- Jun 2007 WLCG-07- Jun 2007 WLCG-07- Depl Date + 30d WLCG-07- Jun 2007 WLCG-07- Jun 2007	Support and operation scenarios tested vie realistic alarms and situations	Support and operation scenarios tested vie realistic alarms and situations

- Accent surI'exploitation des services
- Etat d'avancement passé en revue mensuellement



Milestones LCG (3/3)

WLCG High Level Milestones - 2007														
ID	Date	Milestone	ASGC	CC IN2P3	CERN	FZK GridKa	INFN CNAF	NDGF	PIC	RAL	SARA NIKHEF	TRIUMF	BNL	FNAL
WLCG- 07-01		24x7 Support Definition Definition of the levels of support and rules to follow, depending on the issue/alarm												
WLCG- 07-02		24x7 Support Tested Support and operation scenarios tested via realistic alarms and situations												
WLCG- 07-03		24x7 Support in Operations The sites provides 24x7 support to users as standard operations												
WLCG- 07-04		VOBoxes SLA Defined Sites propose and agree with the VO the level of support (upgrade, backup, restore, etc) of VOBoxes												
WLCG- 07-05		VOBoxes SLA Implemented VOBoxes service implemented at the site, and tested by the Experiments												
WLCG- 07-06	1 40	Job Priorities Available at Site Mapping of the Job priorities on the batch software of the site completed and information published												
WLCG- 07-07		Job Priorities of the VOs Implemented at Site Configuration and maintenance of the jobs priorities as defined by the VOs. Job Priorities in use by the VOs.												
WLCG- 07-08		Accounting Data published in the APEL Repository The site is publishing the accounting data in APEL. Monthly reports extracted from the APEL Repository.												
WLCG- 07-09		3D Oracle Service in Production Oracle Service in production, and certified by the Experiments												n/a
WLCG- 07-10	,	3D Conditions DB in Production Conditions DB in operations for ATLAS, CMS, and LHCb. Tested by the Experiments.												
WLCG- 07-11	Date +	SL4 Operational at Site (for WN and UI nodes) This has to happen within 30 days after the release from GD.												

Dashboard avec la vue d'ensemble de l'état de tous les tier-1s



Aujourd'hui



- Etat de l'intégration à l'exploitation des services grille (suite)
- Suite des travaux sur les outils de monitoring des services

r.Hemandez



Prochaine réunion



- Etat de l'intégration à l'exploitation des services grille (suite)
- Outils de monitoring de services (suite)
- Etat de la consolidation des services grille



Questions/Commentaires



