



Enabling Grids for E-scienceE

Site Status Board

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4th EGEE User Forum

03 March 2009

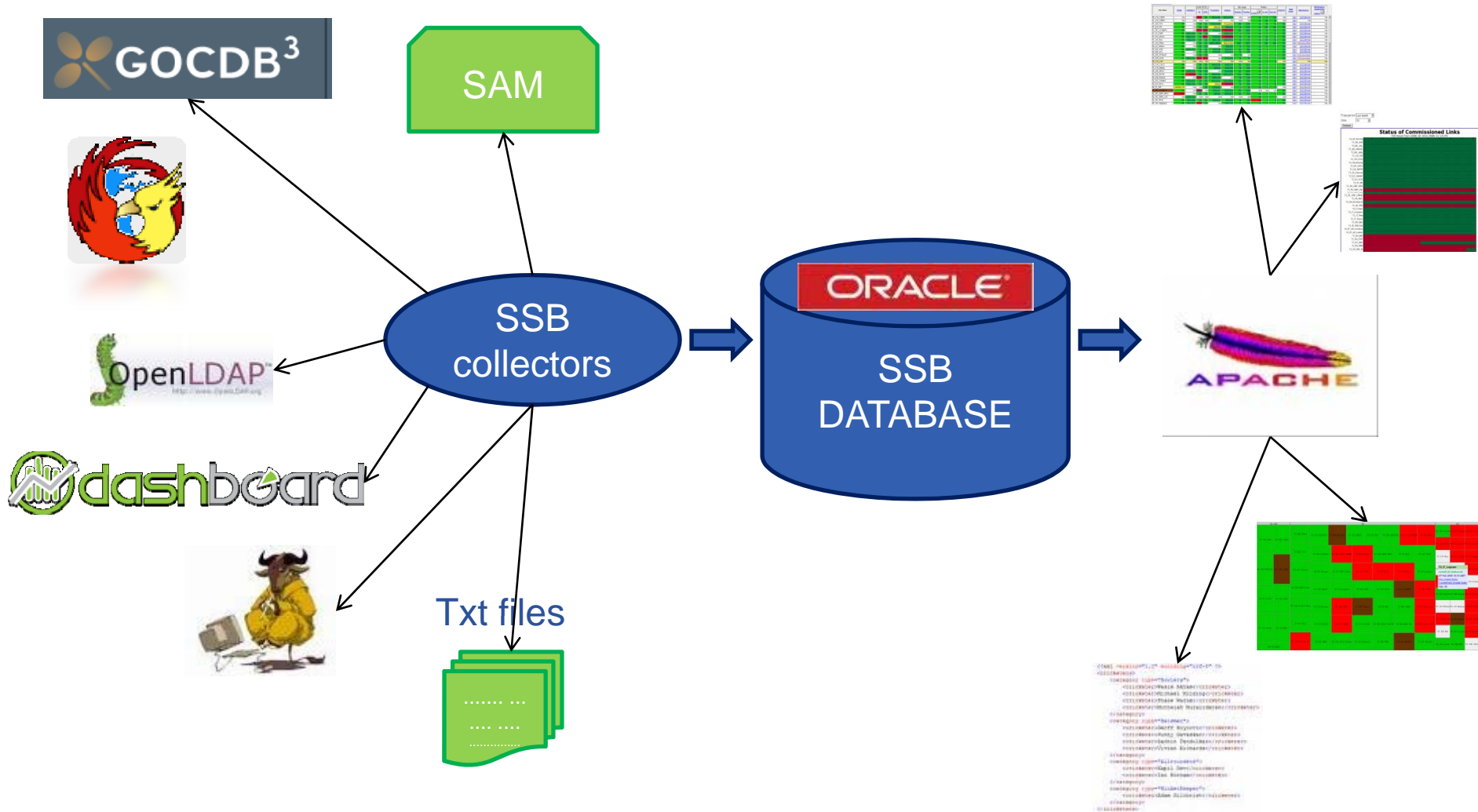
www.eu-egee.org



Information Society
and Media



- **Representation of the sites according to VO metrics**
- **Easy to add new metrics**
 - Just a couple of clicks away
- **Metrics can be provided in different formats:**
 - Text files
 - Different collector: BDII, PheDex, SAM, # jobs...
- **Keep historical data**
- **Developed following a CMS request**
 - Used by computing shifter, site commissioning and space monitoring
- **Deployed also for LHCb and ALICE**



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(last update at 04:19:25 02/27/2009 UTC)

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Click on any of the headers to show/hide those sites

T0+T1	T2		
✓ T0_CH_CERN	✓ T2_AT_Vienna	✓ T2_BE_IHHE	✓ T2_BE_UCL
✓ T1_DE_FZK	✓ T2_BR_SPRACE	✓ T2_BR_UERL	✓ T2_CH_CSCS
✓ T1_ES_PIC	✓ T2_CN_Beijing	✓ T2_DE_DESY	⚠ T2_DE_RWTH
✓ T1_FR_CCIN2P3	✓ T2_EE_Estonia	✓ T2_ES_CHEMAT	● T2_ES_IFCA
✓ T1_IT_CNAF	✓ T2_FL_HIP	✓ T2_FR_CCIN2P3	✓ T2_FR_GRIF_IRFU
⚠ T1_TW_ASGC	✓ T2_FR_GRIF_LLR	✓ T2_FR_IPHC	⚠ T2_HU_Budapest
✓ T1_UK_BAL	✓ T2_IN_TIFR	✓ T2_IT_Bari	✓ T2_IT_Legnaro
✓ T1_US_FNAL	✓ T2_IT_Pisa	● T2_IT_Rome	● T2_KR_KNU
	✓ T2_PL_Warsaw	✓ T2_PT_LIP_Lisbon	● T2_RU_IHEP
	✓ T2_RU_ITEP	✓ T2_RU_JINR	⚠ T2_TW_Taiwan
	✓ T2_UK_London_Brunel	● T2_UK_London_IC	✓ T2_UK_SGrid_Bristol
	✓ T2_UK_SGrid_BALPP	✓ T2_US_Catech	✓ T2_US_Florida
	✓ T2_US_MIT	✓ T2_US_Nebraska	● T2_US_Purdue
	✓ T2_US_UCSD	● T2_US_Wisconsin	
T2 waiting room			
● T2_RU_INR	● T2_RU_PNPI	● T2_FR_GRIF_LPNHE	● T2_PT_LIP_Coimbra
✓ T2_TR_METU	● T2_TR_ULAKBIM	✓ T2_RU_RRC_KI	● T2_RU_SINP

See J. Flix presentation tomorrow at 12:00

Different groups

Colour of the site defined by combination of critical metrics

Algorithm for calculating the status of the site
 Some of the columns of the table contribute to the status displayed in this page. At the moment, the columns that contribute are:
 BDI: Visible
 SAM TESTS: CE
 SAM TESTS: SRM
 Production
 If you want to change that, go to the column definition and update the field 'Column Critical'

Legend

✓	The site is ok
✓	At least one of the critical columns is in warning
●	At least one of the critical columns is in error (more than 72)
⚠	The site is in maintenance

Include maintenance
 And how long a site has been down

Main table

Each column can be provided by a different source

Site Name	Visible	JobRobot	SAM TESTS		Production	Analysis	Site usage		Phedex		CMSSW	Open issues	Maintenance	Maintenance (expand this column)	
			CE	SRM			Running	Pending	# Links	In rate					Out rate
T0_CH_CERN	n/a	n/a	error	OK	100%(460)	94%(437)	n/a	n/a	ok	0	123	n/a	info	GOCDDB-info	n/a
T1_CH_CERN	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	ok	89	53	n/a	info	n/a	n/a
T1_DE_FZK	OK	n/a	OK	OK	100%(1838)	77%(2544)	296	1744	ok	58	43	OK	info	GOCDDB-info	n/a
T1_ES_PIC	OK	n/a	OK	OK	16%(37)	88%(16)	52	1725	ok	272	194	OK	info	GOCDDB-info	n/a
T1_FR_CCIN2P3	OK	n/a	error	error	100%(22)	97%(100)	259	1695	ok	11	29	OK	info	GOCDDB-info	n/a
T1_IT_CNAF	OK	100%(101)	OK	OK	n/a	100%(170)	2	171	ok	3	13	OK	info	GOCDDB-info	n/a
T1_TW_ASGC	OK	100%(101)	OK	error	100%(63)	27%(408)	37	39	ok	16	17	OK	info	GOCDDB-info	n/a
T1_UK_RAL	OK	95%(101)	OK	OK	98%(152)	100%(91)	24	117	ok	20	32	OK	info	GOCDDB-info	n/a
T1_US_FNAL	OK	n/a	OK	OK	100%(19010)	56%(1185)	8657	3277	ok	425	296	OK	info	DSG-downtime	n/a
T2_AT_Vienna	OK	n/a	OK	OK	n/a	98%(50)	10	133	ok	0	1	OK	info	GOCDDB-info	n/a
T2_BE_IHE	OK	100%(101)	OK	OK	100%(34)	99%(401)	121	380	ok	5	0	OK	info	GOCDDB-info	n/a
T2_BE_UCL	OK	n/a	OK	OK	100%(34)	100%(24)	24	333	ok	1	1	OK	info	GOCDDB-info	n/a
T2_BR_SPRACE	OK	n/a	OK	OK	n/a	n/a	2	n/a	ok	1	0	OK	info	DSG-downtime	n/a
T2_BR_UERJ	OK	100%(101)	error	error	n/a	91%(213)	42	47	ok	3	0	OK	info	DSG-downtime	n/a
T2_CH_CAF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	ok	0	0	n/a	info	n/a	n/a
T2_CH_CSCS	OK	n/a	OK	OK	100%(528)	100%(12)	152	1455	ok	1	1	OK	info	GOCDDB-info	n/a
T2_CN_Beijing	OK	n/a	OK	OK	100%(6)	100%(70)	40	204	ok	2	1	OK	info	GOCDDB-info	n/a
T2_DE_DESY	OK	100%(101)	OK	OK	n/a	81%(948)	110	1496	ok	43	1	OK	info	GOCDDB-info	n/a
T2_DE_RWTH	OK	100%(101)	OK	OK	100%(934)	97%(437)	1757	4465	ok	2	2	OK	info	GOCDDB-info	n/a
T2_EE_Estonia	OK	n/a	error	OK	84%(122)	n/a	59	154	ok	2	2	OK	info	GOCDDB-info	n/a
T2_ES_CIEMAT	OK	100%(101)	OK	OK	95%(1814)	95%(3084)	252	308	ok	3	17	OK	info	GOCDDB-info	n/a
T2_ES_IFCA	OK	100%(101)	OK	OK	33%(3)	30%(027)	53	409	ok	5	10	OK	info	GOCDDB-info	n/a
T2_FI_HIP	warning 1/2	n/a	n/a	OK	100%(27)	n/a	1	26	ok	1	0	n/a	info	GOCDDB-info	n/a
T2_FR_CCIN2P3	OK	n/a	error	n/a	100%(11)	95%(21)	710	1455	n/a	n/a	n/a	OK	info	GOCDDB-info	n/a
T2_FR_GRIF_IRFU	error	n/a	OK	OK	100%(6)	99%(70)	142	513	ok	1	0	OK	info	GOCDDB-info	n/a
T2_FR_GRIF_LLR	n/a	100%(101)	n/a	n/a	n/a	n/a	n/a	n/a	ok	1	1	n/a	info	GOCDDB-info	n/a
T2_FR_IPHC	OK	98%(192)	OK	OK	100%(11)	98%(58)	29	178	error	5	0	OK	info	GOCDDB-info	n/a
T2_HU_Budapest	OK	95%(101)	error	OK	n/a	100%(39)	18	106	ok	5	1	OK	info	GOCDDB-info	n/a

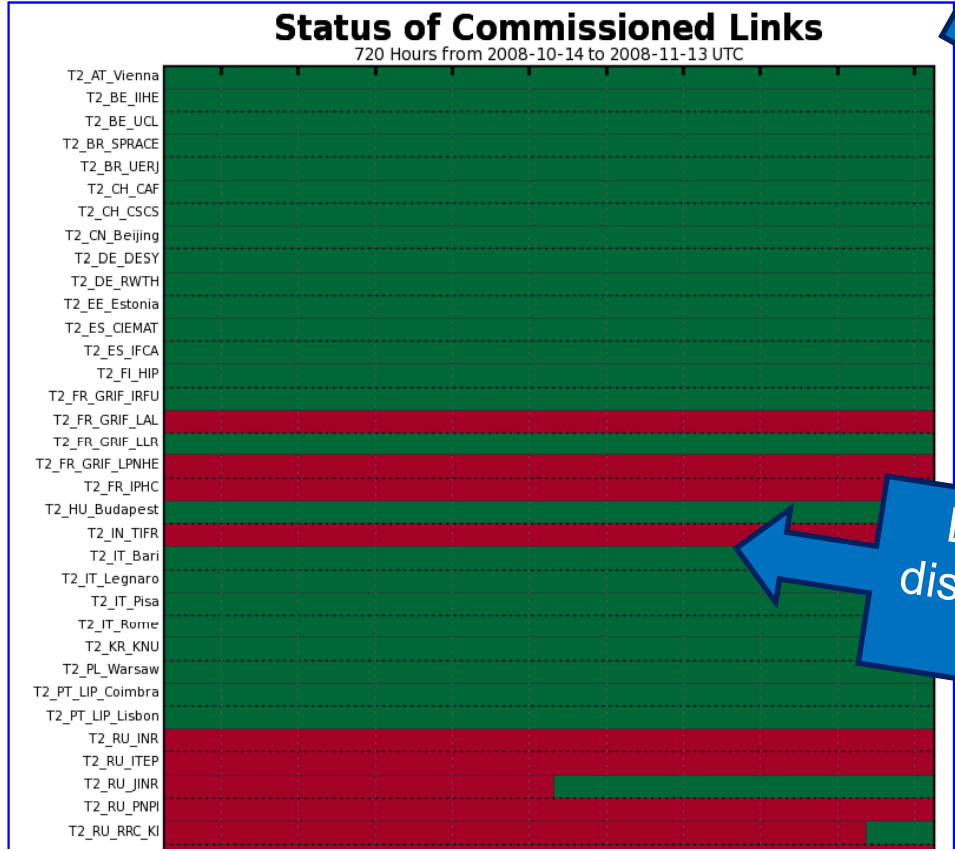
Cells can have links to more detailed information

Time period

Sites

Clickable image

Time period Last month
Sites T2
Refresh



Depending on the column, displays all the values, or only status changes

Size according to the 'importance' of the site

T1+T0										T3		
T1 DE FZK	T0 CH CERN	T2 BR UERJ	T2 ES CIEMAT	T2 HU Budapest	T2 DE DESY	T2 US MIT	T2 BR SPRACE	T2 TR ULAKBIM	T2 RU IHEP	T3 UK Londo	T3 CO Uniand	T3 US TTU
		T2 BE UCL	T2 FR CCIN2P5	T2 FR GRIF LPNHE	T2 US Purdue	T2 FR GRIF IRFU	T2 IT Bari	T2 RU ITEP		T3 UK ScotGr	T3 IT Trieste	T3 UK SGrid
T1 FR CCIN2P5	T1 TW ASGC	T2 AT Vienna	T2 PL Warsaw	T2 PT LIP Lisbon	T2 RU INR	T2 IT Rome	T2 ES IFCA	T2 IT Legnaro		T3 US Rice	T3 UK Londo	T3 US Vander
		T2 FR GRIF LLR	T2 TR METU	T2 US Caltech	T2 IN TIFR	T2 CH CSCS	T2 UA KIPT	T2 RU PNPI	T2_IT_Legnaro overall All status=ok 27 Feb 2009 16:19 GMT 0=0 (Invalid Date) 1=undefined (Invalid Date) Size: 30			IT Nanoli
T1 IT CNAF	T1 UK RAL	T2 UK London Bnrr	T2 CN Beihne	T2 KR KNU	T2 TW Taiwan	T2 FI HIP	T2 RU JINR	T2 US Wisconsin				US Cornell
		T2 IT Pisa	T2 US UCSD	T2 RU SINP	T2 US Florida	T2 UK SGrid RALPH	T2 RU BRC KI	T2 PT LIP Coimbra	T3 UK ScotGr	T3 GR Ioannit	T3 US UCLA	
T1 US FNAL	T1 ES PIC	T2 UK London IC	T2 BE IHHE	T2 UK SGrid Bristol	T2 US Nebmska	T2 FR IPHC	T2 DE RWTH	T2 EE Estonia				
TW-NCUHEP									T3 US FNALI	T3 US Ruteers	T3 US UCR	
									T3 DE Karlsruhe	T3 GR Demok	T3 US UMD	
									T3 CH PSI	T3 US Colomc	T3 IT Perugia	
									T3 UK Londo	T3 FR IPNL	T3 TW NCU	

Alternative view

Multiple views, and freedom to create new ones

These are the existing views:

View	Columns	
commission	Commissioned Links,Maintenance,Site availability,SiteComm JR,SiteComm Status	<input type="button" value="modify"/>
expert	Pledged slots,Pledged, TB,SiteSize	<input type="button" value="modify"/>
space	Combined Space Monitoring,Pledged, TB,on site(DBS), TB,on site(phedex), TB,subscription, TB	<input type="button" value="modify"/>
maint	CIC downtime,GOC downtime,Maintenance,OSG downtime,Savannah,Savannah manual,Under investigation	<input type="button" value="modify"/>
		<input type="button" value="Create View"/>

Site Name	SiteComm JR	Commissioned Links (expand this column)	Site availability	SiteComm Status	Maintenance (expand this column)
T0_CH_CERN	99%(404)	n/a	0.04	n/a	n/a
T1_CH_CERN	n/a	combined	0.04	n/a	n/a
T1_DE_FZK	0%(404)	combined	0.32	U	n/a
T1_ES_PIC	n/a	combined	0.92	C	n/a
T1_FR_CCIN2P3	0%(404)	combined	0.22	U	n/a
T1_IT_CNAF	100%(606)	combined	0.84	U	n/a
T1_TW_ASGC	0%(202)	combined	0	U	n/a
T1_UK_RAL	73%(404)	combined	1	W	n/a
T1_US_FNAL	100%(202)	combined	1	C	n/a
T2_AT_Vienna	100%(203)	combined	0.95	U	n/a
T2_BE_IHE	75%(404)	combined	1	W	n/a
T2_BE_UCL	100%(202)	combined	1	C	n/a

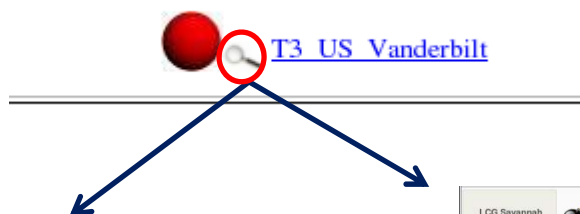
Site commissioning view
(Thanks to Andrea Sciaba,
Josep Flix, Jose
Hernandez)

Site Name	T1::downlinkT0	T1::uplinksT2s	T1::downlinks/uplinksT1s	T2::uplinkT1s	T2::downlinkT1s
T1 IT CNAF	1	36	Test.T1s	n/a	n/a
T1 TW ASGC	1	36	Test.T1s	n/a	n/a
T1 UK RAL	1	36	Test.T1s	n/a	n/a
T1 US FNAL	1	41	Test.T1s	n/a	n/a
T2 AT Vienne	n/a	n/a	n/a	4	1
T2 BE IIHE	n/a	n/a	n/a	2	1
T2 BE UCL	n/a	n/a	n/a	1	1
T2 BR SPRACE	n/a	n/a	n/a	2	1
T2 BR UERJ	n/a	n/a	n/a	2	1
T2 CH CAF	n/a	n/a	n/a	1	1
T2 CH CSCS	n/a	n/a	n/a	2	1
T2 CN Beijing	n/a	n/a	n/a	4	1
T2 DE DESY	n/a	n/a	n/a	0	1
T2 DE RWTH	n/a	n/a	n/a	0	1
T2 EE Estonia	n/a	n/a	n/a	1	1
T2 ES CIEMAT	n/a	n/a	n/a	2	1
T2 ES IFCA	n/a	n/a	n/a	1	1
T2 FI HIP	n/a	n/a	n/a	2	1
T2 FR GRIF IRFU	n/a	n/a	n/a	2	1
T2 FR GRIF LLR	n/a	n/a	n/a	2	1
T2 FR IPHC	n/a	n/a	n/a	2	1
T2 HU Budapest	n/a	n/a	n/a	4	1
T2 IN TIFR	n/a	n/a	n/a	2	1
T2 IT Bari	n/a	n/a	n/a	0	1

Site Name	Commissioned Links (expand this column)
T1 IT CNAF	combined
T1 TW ASGC	combined
T1 UK RAL	combined
T1 US FNAL	combined
T2 AT Vienne	combined
T2 BE IIHE	combined
T2 BE UCL	combined
T2 BR SPRACE	combined
T2 BR UERJ	combined
T2 CH CAF	combined
T2 CH CSCS	combined
T2 CN Beijing	combined
T2 DE DESY	combined
T2 DE RWTH	combined
T2 EE Estonia	combined
T2 ES CIEMAT	combined
T2 ES IFCA	combined
T2 FI HIP	combined
T2 FR GRIF IRFU	combined
T2 FR GRIF LLR	combined
T2 FR IPHC	combined
T2 HU Budapest	combined
T2 IN TIFR	combined
T2 IT Bari	combined

- Combine multiple columns in a single entry
- Dynamic
- Used for maintenance and links

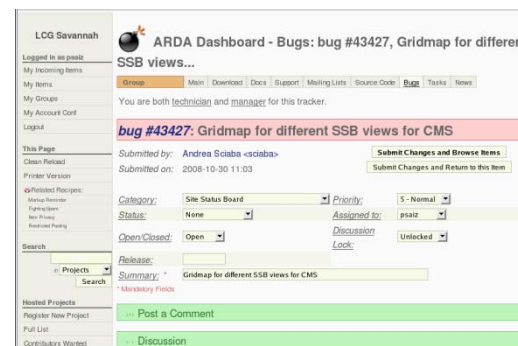
- Mark sites that are currently being investigated
- With links to savannah bugs
- Automatic or manual closing
- Only available after authentication
- History of all the issues with the site
 - With the certificate of the creator



Tickets associated to the site **T2_FR_GRIF_LLR** (sorted by status and creation date):

Ticket	Status	Last changed by	Description	Creation date	Resolved date
link	solved	/C=IT/O=INFN/OU=Personal Certificate/L=Trieste/CN=stefano belforte		2008-12-11 19:29:54	2008-12-12 12:39:13
link	solved	/C=IT/O=INFN/OU=Personal Certificate/L=Trieste/CN=stefano belforte		2008-11-21 22:35:24	2008-12-03 15:25:03
link	solved	/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=psaiz/CN=542764/CN=Pablo Saiz		2008-11-21 15:30:28	2008-11-21 22:35:29
link	solved	/DC=ch/DC=cern/OU=Organic Units/OU=Users/CN=psaiz/CN=542764/CN=Pablo Saiz		2008-11-21 15:28:27	2008-11-21 15:29:07
link	solved	/C=IT/O=INFN/OU=Personal Certificate/L=Trieste/CN=stefano belforte		2008-11-21 14:53:24	2008-11-21 15:27:49

If you want to add another ticket, click [here](#)



LCG Savannah ARDA Dashboard - Bugs: bug #43427, Gridmap for different SSB views...

Submitted by: Andrea Scinba <scinba> Submitted on: 2008-10-30 11:03

Category: Site Status Board Priority: 5 - Normal

Status: None Assigned by: psaiz

Opens Closed: Open Discussion: Unlocked

Summary: * Gridmap for different SSB views for CMS

Post a Comment Discussion

To add a new column, fill the following form:

Column Name	<input type="text" value="JobRobot"/>	
Column Description	<input type="text" value="OK if JR is succeeding at least 80% in last 24h"/>	
Column URL	<input type="text" value="http://psaiz.home.cern.ch/JobRobotResults.html"/>	If you want to have a link from the column header, put it here
Column source	<input type="text" value="http://psaiz.home.cern.ch/JobRobotResults"/>	This page will be downloaded, and it should contain the status of the sites for this test. The format should be:
Column Group	<input type="text"/>	
Column Critical	<input type="checkbox"/>	This metric contributes to the overall color of the site
Column frequency	<input type="text" value="600"/>	Number of seconds that the collector should wait before getting the data again
Column debug	<input type="checkbox"/>	Keep this box if you don't want the column in the general view
<input type="button" value="Add column"/>		

The format of the input text file should be:

<TimeStamp> <SiteName> <Status> <Color> <URL>

For example

2008-02-14 17:20 T1_CH_CERN ok green http://pointerTosomething

2008-02-14 17:21 T1_DE_FZK ok green http://pointerTosomething

2008-02-14 17:21 T1_IT_CNAF error red http://pointerTosomething

You can put any status you want. However, unless strictly necessary, please try to limit to: OK, error, warning, or numbers

For the color, again you have the freedom to put any color name (or hex value). But please, try to limit to

white red green yellow and if you still need more... grey brown cyan

The intensity of the color will change according to the timestamp of the value (older entries will be lighter)

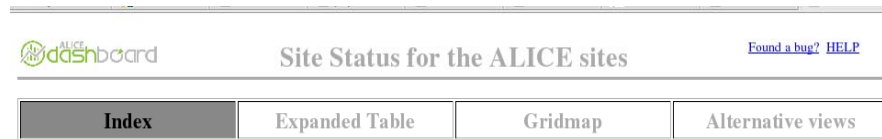


With x509 security
(and only if your dn is
registered as admin)

- **LHCb and ALICE want to evaluate the SSB**
- **Using generic SAM and maintenance collectors**
 - Can provide more info with txt files
- <http://dashb-lhcb-ssb.cern.ch>
- <http://dashb-alice-ssb.cern.ch>
- **Can be deployed for any other VO**

<http://dashb-lhcb-ssb.cern.ch>

<http://dashb-alice-ssb.cern.ch>



Site Status for the ALICE sites [Found a bug? HELP](#)

Index Expanded Table Gridmap Alternative views

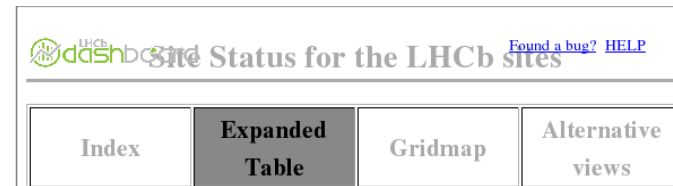
(last update at 07:02:48 02/27/2009 UTC)

[Scheduled central services interventions](#)

[Symbol explanation](#)

Click on any of the headers to show/hide those sites

All sites			
✓ AUVERGRID	✓ BG01-IJP	✓ BG04-ACAD	● BMEGrid
✓ BUDAPEST	✓ CERN-PROD	✓ CESGA-EGEE	● CNR-ILC-PISA
✓ CY-01-KIMON	● CYFRONET-LCG2	✓ EFDA-JET	✓ ESA-ESRIN
✓ EMPh-UNIBA	✓ EZK-LCG2	✓ GR-01-AUTH	✓ GR-04-FORTH-ICS
⚠ GR-05-DEMOKRITOS	✓ GR-06-IASA	✓ GRIF	⚠ GSI-LCG2
✓ HG-02-IASA	✓ HG-03-AUTH	✓ HG-04-CTI-CEID	✓ HG-05-FORTH
✓ HG-06-EKT	✓ IEPSAS-Kosice	✓ IL-BGU	✓ IN-DAE-VECC-01
✓ IN2P3-CC	✓ IN2P3-CC-T2	✓ IN2P3-IPNL	✓ IN2P3-IRES
✓ IN2P3-LPC	✓ IN2P3-LPSC	✓ IN2P3-SUBATECH	✓ INFN-BARI
✓ INFN-BOLOGNA	✓ INFN-CAGLIARI	✓ INFN-CATANIA	✓ INFN-CNAF
● INFN-FERRARA	✓ INFN-LNL-2	✓ INFN-LNS	● INFN-MILANO
✓ INFN-NAPOLI	● INFN-NAPOLI-ATLAS	✓ INFN-NAPOLI-CMS	✓ INFN-NAPOLI-PAMELA
✓ INFN-PADOVA	● INFN-PISA	✓ INFN-TI	✓ INFN-TORINO



Site Status for the LHCb sites [Found a bug? HELP](#)

Index Expanded Table Gridmap Alternative views

Put the mouse over any column header to get the description of the column

Clicking on a column header will display the evolution of that column over the last 24 hours

information is more than 24h old

Site Name	SAM							Maintenance in SAM
	CE	SRMv2	LFC L	gFB	FTS	LFC C	MyProxy	
KR-KISTI-GCRT-01	ok	n/a	n/a	n/a	n/a	n/a	n/a	n/a
KR-KISTI-HEP	ok	n/a	n/a	n/a	n/a	n/a	n/a	n/a
LCG.CERN.ch	n/a	ok	n/a	ok	ok	ok	ok	n/a
LCG.CNAF.it	n/a	ok	ok	n/a	ok	n/a	n/a	n/a
LCG.GRIDKA.de	n/a	info	ok	ok	ok	n/a	n/a	n/a
LCG.IN2P3.fr	n/a	ok	n/a	n/a	ok	n/a	n/a	n/a
LCG.NIKHEF.nl	n/a	ok	ok	n/a	ok	n/a	n/a	n/a
LCG.PIC.es	n/a	ok	ok	ok	ok	n/a	n/a	n/a
LCG.RAL.uk	n/a	ok	ok	n/a	ok	n/a	n/a	n/a
NCP-LCG2	error	n/a	n/a	n/a	n/a	n/a	n/a	n/a
NIHAM	ok	n/a	n/a	n/a	n/a	n/a	n/a	n/a
NIKHEF-ELPROD	ok	n/a	n/a	n/a	n/a	n/a	n/a	n/a
PDC	error	n/a	n/a	n/a	n/a	n/a	n/a	All services in maint
PEARL-AMU	ok	n/a	n/a	n/a	n/a	n/a	n/a	n/a
PSNC	ok	n/a	n/a	n/a	n/a	n/a	n/a	n/a
RAL-LCG2	ok	n/a	n/a	n/a	n/a	n/a	n/a	n/a
RO-03-LJPF	ok	n/a	n/a	n/a	n/a	n/a	n/a	n/a
RO-07-NIPNE	error	n/a	n/a	n/a	n/a	n/a	n/a	n/a
RRC-KI	ok	n/a	n/a	n/a	n/a	n/a	n/a	n/a
RU-Moscow-NJAM-LCG2	error	n/a	n/a	n/a	n/a	n/a	n/a	n/a

- More plot types:
 - Historical view of values
 - Plotting several metrics
- More data sources
 - CMS: new PheDEx server
 - LHCb: site mask
- Changing existing values
- Keep user support
 - Without them, we would be bored 😊

Tutorial on Friday at
9:00 (Leopardi)

See J. Flix presentation
Wed. 12:00 (Raffaello)

- Representation of the status according to VO metrics
- Easy interface to add/modify columns
- Displays current status and historical data
- Allows links to more detailed information
- Used by CMS computing shifter and site commissioning exercise
 - Tested also by the Space Monitoring
- Used by other VOs: ALICE and LHCb

<http://dashb-ssb.cern.ch/ssb.html>