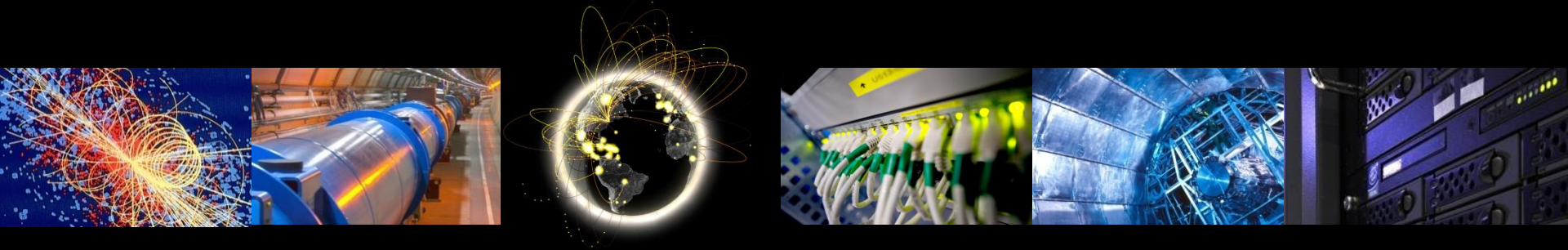


WLCG Information System Status

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GDB 9th October 2013



Contents

- BDII release highlights
- Where to find the BDII
- BDII deployment status
- GLUE 2 validation status
- glue-validator in Nagios
- EGI plans for GLUE 1 retirement
- Information System Documentation
- Next steps



BDII release highlights

March 2013



bdi 5.2.17-1

- LDAP optimisations for GLUE 2.0 (DB indexes and cache)
- ARC integration



May 2013

bdi 5.2.20-1

- GLUE 2 delete fix
- LDAP optimisations for GLUE 2 (DB config)



August 2013

bdi 5.2.21-1

- Security vulnerability
- bdi-update daemon bug fixes



September 2013

glite-info-provider-ldap 1.4.6-1

- Rolled back changes for ARC integration since Contact and Location objects are missing



October 2013

glite-info-provider-ldap 1.4.8-1

- Missing published sites fix



- Top BDII
- Site BDII
- Resource BDII

<http://gridinfo.web.cern.ch/sys-admins/bdi-releases>

Where to find the BDII

- EMI 2 and 3 repositories
 - Synchronised for BDII versions
- UMD 2 and 3 repositories
 - Not aligned for BDII versions
 - UMD 2 contains older versions
- EPEL 5 and 6 repositories
 - Only for the resource BDII
 - Status of pending packages:
<https://twiki.cern.ch/twiki/bin/view/EMI/BDIIEPELstatus>
- Minimum versions for WLCG
 - <https://twiki.cern.ch/twiki/bin/view/LCG/WLCGBaselineVersions>



BDII deployment status

Package	EMI 2	EMI 3	UMD 2	UMD 3	EPEL 5	EPEL 6
bdii	5.2.22-1	5.2.22-1	5.2.12-1	5.2.21-1 (*)	5.2.22-1	5.2.22-1

(*) WLCG Baseline	EGI BDII endpoints				WLCG BDII endpoints			
	Jun-13	Jul-13	Sep-13	Oct-13	Jun-13	Jul-13	Sep-13	Oct-13
site BDII	407	420	337	341	132	137	131	139
top BDII	104	98	88	88	47	48	40	48

		site BDII									
16.03.2012	LDAP improvements	5.2.10	21	15	13	13	5.2.10	5	5	5	4
09.08.2012	IPv6 support	5.2.12	329	292	169	164	5.2.12	107	82	54	53
31.08.2012	EPEL only	5.2.13	19	12	9	5	5.2.13	8	6	4	2
11.03.2013	ARC integration	5.2.17	20	13	7	5	5.2.17	6	9	5	6
31.05.2013	GLUE 2 Delete bug	5.2.20	18	23	8	5	5.2.20	6	9	4	3
05.08.2013	Security Vulnerability	5.2.21	0	65	26	26	5.2.21	0	26	11	12
09.09.2013	Contact and Location	5.2.22	0	0	105	123	5.2.22	0	0	48	59
			407	420	337	341		132	137	131	139

		top BDII									
16.03.2012	LDAP improvements	5.2.10	5	3	1	1	5.2.10	4	2	1	1
09.08.2012	IPv6 support	5.2.12	55	46	31	30	5.2.12	24	21	15	17
31.08.2012	EPEL only	5.2.13	12	8	8	3	5.2.13	3	3	1	0
11.03.2013	ARC integration	5.2.17	15	9	4	5	5.2.17	9	6	3	3
31.05.2013	GLUE 2 Delete bug	5.2.20	17	20	10	7	5.2.20	7	9	7	6
05.08.2013	Security Vulnerability	5.2.21	0	12	9	10	5.2.21	0	7	3	3
09.09.2013	Contact and Location	5.2.22	0	0	25	32	5.2.22	0	0	10	18
			104	98	88	88		47	48	40	48

GLUE 2 validation for middleware

- Validation is now finished and known issues have been identified
 - <https://twiki.cern.ch/twiki/bin/view/EGEE/ISproviders>
 - Developers are slowly fixing bugs
- Storage Capacity in GLUE 2
 - Storage attributes are not published in the same way by all services
 - Is there a need for a usage document for GLUE 2?



Storage Capacity

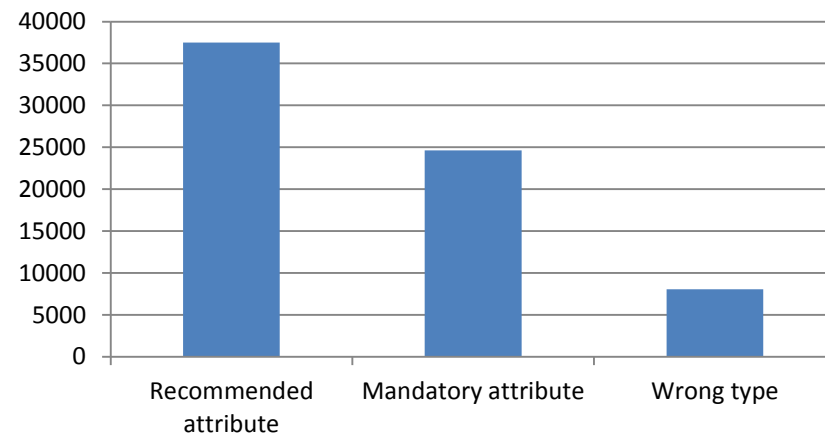
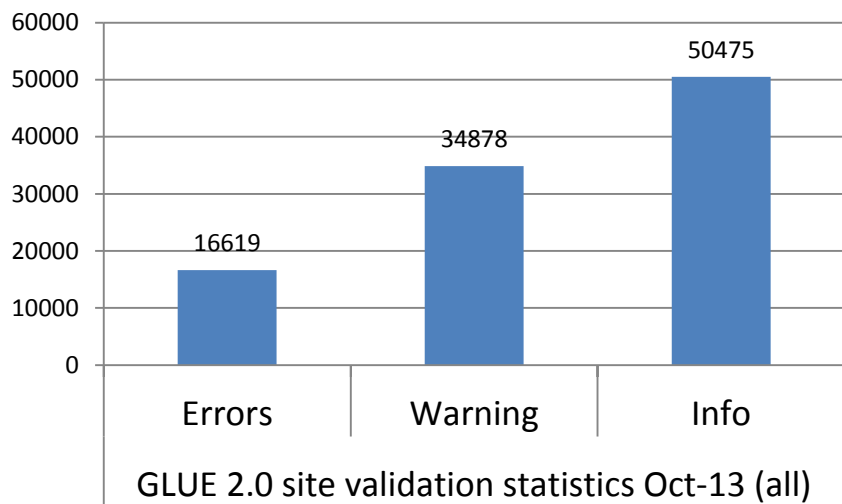
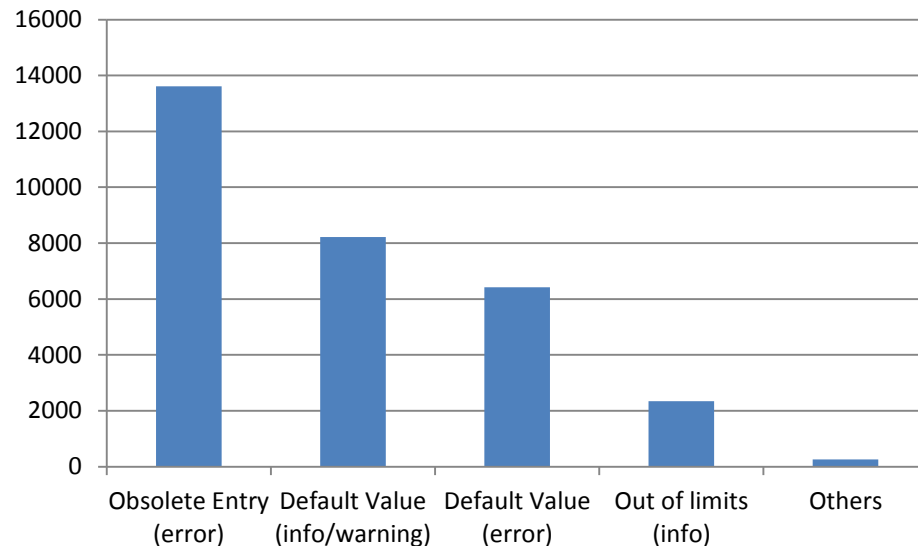
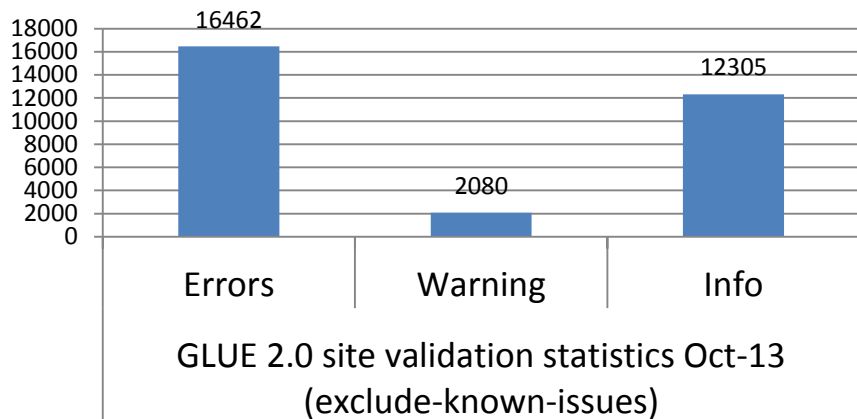
Name	Service Capacity		Share Capacity		Comments
	Nearline	Online	Nearline	Online	
dCache	Total, Used	Total, Used, Free	Total, Used	Total, Used, Free	Free=Total - Used, numbers always match
StoRM	Reserved=0, Total, Used, Free	Reserved=0, Total, Used, Free	Reserved=0, Total, Used, Free	Reserved=0, Total, Used, Free	Free=Total - Used, numbers always match. Nearline numbers do not match
DPM	-	Total, Used, Free	-	Total, Used, Free, Reserved=Total for space tokens, Reserved=0 for non reserved area	

GLUE 2 validation for sites

- No September report as such
 - As of next month validation will be automated (see slide: *glue-validator in Nagios*)
 - Last weeks focused on getting glue-validator ready for production
- Some statistics in the next slide
 - Excluding known issues
 - Including known issues
 - Per error, warning and info message

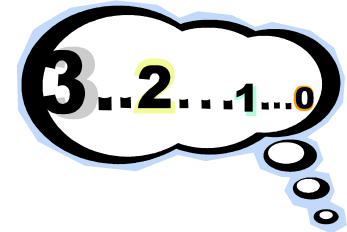


GLUE 2 validation for sites



glue-validator in Nagios

- EGI plans to deploy glue-validator in production
 - Final version on midmon 02.10.2013
 - Validation by COD/ROD team 10.10.2013
 - glue-validator in operations on 13.11.2013
- Sites will get GGUS tickets for critical errors
- Training on glue-validator at the EGI TF
 - Recorded and available in:
<https://documents.egi.eu/public/ShowDocument?docid=1955>



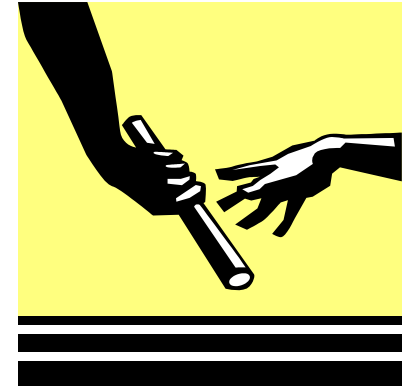
EGI plans for GLUE 1 retirement

HAPPY RETIREMENT

- Test GLUE 2 information consumption
 - Are all clients and services interacting with the IS ready to consume GLUE 2?
 - Target date: 2014 Q1
- Stop support of GLUE 1 as of May 2014
 - If no blocking issues are found
 - How will the end of support be actually implemented?
 - Modify information providers so they don't publish GLUE 1?
 - This will take time!
 - This actually means that GLUE 1 information won't be maintained any more after this date

EGI plans for GLUE 1 retirement

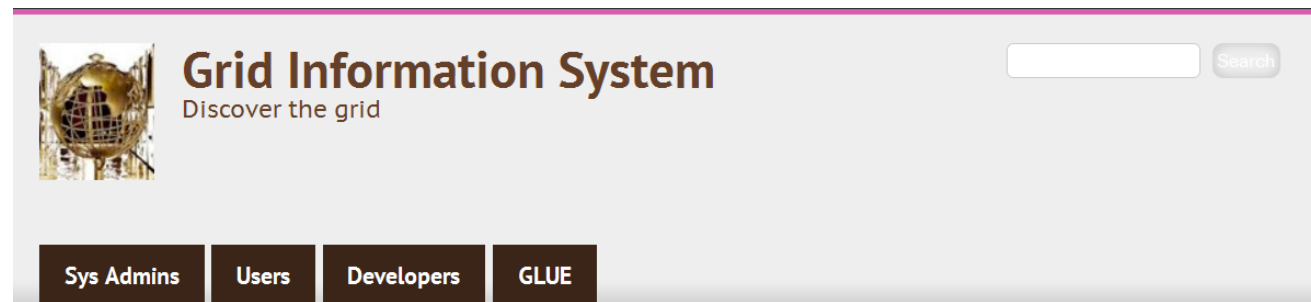
- Start getting ready for this:
 - Stop using lcg-info and lcg-infosites
 - They only query GLUE 1 information
 - Start using ginfo
 - It queries GLUE 2 information
 - Available in EPEL
 - http://dl.fedoraproject.org/pub/epel/5/x86_64/gininfo-1.0.2-1.el5.noarch.rpm
 - User guide and man page available
 - <http://gridinfo.web.cern.ch/users/ginfo>
 - Are all the needed use cases covered in ginfo?
 - If not, please let us know via GGUS!
- But the what about OSG resources?
 - This is an issue for WLCG!



Information System documentation

<http://gridinfo.web.cern.ch/>

- New releases
- Known Issues
- ginfo user guide
- glue-validator guide



Grid Information System
Discover the grid

[Sys Admins](#) [Users](#) [Developers](#) [GLUE](#)

Welcome

In this page you will find documentation about the Grid Information System organised in the following way:

- Information System for Sys Admins
- Information System for Users
- Developers Resources
- GLUE
- Useful Links

Useful Links

- [Grid Information System Introduction](#)
- Report an incident or a request: [GGUS](#)
- Contact us: [project-grid-info-support](#)

Next steps

- Monitor glue-validator in production
 - Tune glue-validator with feedback from sites
- Follow up open bugs in middleware information providers
 - Focus on storage capacity attributes and numbers
 - Missing use cases for the GLUE 1 retirement campaign
 - In particular for ginfo
- Get EPEL packaging status

