

# Quality Criteria Verification Report

<b>Product</b>	<i>QCG.qcg-comp.sl5.x86_64</i>	<b>Release</b>	<i>3.4.0</i>
<b>Software Provider</b>	<i>www.qoscosgrid.org</i>	<b>RT Ticket</b>	<i>#7460</i>
<b>Provider contact</b>	<i>Piotr Kopta &lt;pkopta@man.poznan.pl&gt;</i>		
<b>Verifier</b>	<i>Franciszek Klajn &lt;franciszek.klajn@pwr.wroc.pl&gt;</i>		
<b>Hours worked</b>	<i>2 hours</i>	<b>Date</b>	<i>22.09.2014</i>
<b>Status</b>	<b>Accepted</b>		

## Summary

*Verification of this minor update was done by updating the product and checking the basic functionality. The new feature is a support for the BDII system.*

## Related tickets

## Documentation Criteria

<b>Document</b>	<b>Link</b>
Release notes	<i><a href="http://www.qoscosgrid.org/trac/qcg-computing/export/HEAD/tags/current/RELEASE_NOTES#1">http://www.qoscosgrid.org/trac/qcg-computing/export/HEAD/tags/current/RELEASE_NOTES#1</a></i>
User Documentation	<i>N/A</i>
API Documentation	<i>N/A</i>
Admin Documentation	<i><a href="http://www.qoscosgrid.org/trac/qcg-computing">http://www.qoscosgrid.org/trac/qcg-computing</a> <a href="http://www.qoscosgrid.org/trac/qcg/wiki/QCG-BDII">http://www.qoscosgrid.org/trac/qcg/wiki/QCG-BDII</a></i>
Software License	<i><a href="https://apps.man.poznan.pl/trac/qcg/wiki/license">https://apps.man.poznan.pl/trac/qcg/wiki/license</a></i>

## Generic Criteria

<b>Criteria</b>	<b>Status<sup>1</sup></b>	<b>Additional Comments</b>
Binary Distribution	<b>OK</b>	
Upgrade	NT	
X.509 Certificate support	NT	<a href="https://documents.egi.eu/public/ShowDocument?docid=1876">https://documents.egi.eu/public/ShowDocument?docid=1876</a>
SHA-2 Certificates Support	NT	<a href="https://documents.egi.eu/public/ShowDocument?docid=1876">https://documents.egi.eu/public/ShowDocument?docid=1876</a>
RFC Proxy support	NT	<a href="https://documents.egi.eu/public/ShowDocument?docid=1876">https://documents.egi.eu/public/ShowDocument?docid=1876</a>
ARGUS Integration	NA	
World Writable Files	<b>OK</b>	

<sup>1</sup>**OK**, **WARN**, **FAIL**, NA (Not Applicable) or NT (Not Tested)

Passwords in world readable files	<b>OK</b>	
GlueSchema 1.3 Support	<b>OK</b>	The validator indicates WARNING because the "org.ogf.bes" type is not known.
GlueSchema 2.0 Support	<b>OK</b>	The validator indicates WARNING because the org.qcg.computing type is not known.
Middleware Version Information	<b>OK</b>	
Service Probes	<b>OK</b>	<a href="https://ngi-mon.grid.cyf-kr.edu.pl/nagios/cgi-bin/status.cgi?host=qcg.wcss.pl">https://ngi-mon.grid.cyf-kr.edu.pl/nagios/cgi-bin/status.cgi?host=qcg.wcss.pl</a>
Accounting Records	NT	<a href="https://documents.egi.eu/public/ShowDocument?docid=1907">https://documents.egi.eu/public/ShowDocument?docid=1907</a>
Bug Tracking System	NT	<a href="https://documents.egi.eu/public/ShowDocument?docid=1876">https://documents.egi.eu/public/ShowDocument?docid=1876</a>

## Specific QC

### Basic Functionality Test

Criteria	Status <sup>2</sup>	Additional Comments
Job Execution Interface	NT	<a href="https://documents.egi.eu/public/ShowDocument?docid=1876">https://documents.egi.eu/public/ShowDocument?docid=1876</a>
Simple Job	NT	<a href="https://documents.egi.eu/public/ShowDocument?docid=1876">https://documents.egi.eu/public/ShowDocument?docid=1876</a>
Simple Job with inputoutput files	NT	<a href="https://documents.egi.eu/public/ShowDocument?docid=1876">https://documents.egi.eu/public/ShowDocument?docid=1876</a>
Cancel Job	NT	<a href="https://documents.egi.eu/public/ShowDocument?docid=1876">https://documents.egi.eu/public/ShowDocument?docid=1876</a>
Simple parallel job submission	NT	<a href="https://documents.egi.eu/public/ShowDocument?docid=1876">https://documents.egi.eu/public/ShowDocument?docid=1876</a>
Single machine parallel job submission	NT	<a href="https://documents.egi.eu/public/ShowDocument?docid=1876">https://documents.egi.eu/public/ShowDocument?docid=1876</a>
Fine grained mapping parallel job submission	NT	<a href="https://documents.egi.eu/public/ShowDocument?docid=1876">https://documents.egi.eu/public/ShowDocument?docid=1876</a>
Precompiled MPI job Execution	NT	<a href="https://documents.egi.eu/public/ShowDocument?docid=1876">https://documents.egi.eu/public/ShowDocument?docid=1876</a>
MPI job Execution from source.	NT	<a href="https://documents.egi.eu/public/ShowDocument?docid=1876">https://documents.egi.eu/public/ShowDocument?docid=1876</a>
Precompiled OpenMP job Execution	NT	<a href="https://documents.egi.eu/public/ShowDocument?docid=1876">https://documents.egi.eu/public/ShowDocument?docid=1876</a>
OpenMP job Execution from source	NT	<a href="https://documents.egi.eu/public/ShowDocument?docid=1876">https://documents.egi.eu/public/ShowDocument?docid=1876</a>

**2OK, WARN, FAIL, NA (Not Applicable) or NT (Not Tested)**

## New Features/Fixed Bugs

### Additional Info

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*Installation log:*

*[root@qcg etc]# yum update*

*Loaded plugins: changelog, kernel-module, priorities, protectbase, security, tsflags, versionlock*

*Repository EGI-trustanchors is listed more than once in the configuration*

*QCG.qcg-comp.sl5.x86\_64*

*| 1.9 kB 00:00*

*404 packages excluded due to repository priority protections*

*241 packages excluded due to repository protections*

*Skipping security plugin, no data*

*Reading version lock configuration*

*Setting up Update Process*

*Resolving Dependencies*

*Skipping security plugin, no data*

*--> Running transaction check*

*---> Package qcg-comp.x86\_64 0:3.4.0-10 set to be updated*

*---> Package qcg-comp-client.x86\_64 0:3.4.0-10 set to be updated*

*---> Package qcg-comp-logrotate.x86\_64 0:3.4.0-10 set to be updated*

*---> Package qcg-comp-schemas.x86\_64 0:3.4.0-10 set to be updated*

*---> Package qcg-core.x86\_64 0:3.4.0-2 set to be updated*

*--> Finished Dependency Resolution*

*Beginning Kernel Module Plugin*

*Finished Kernel Module Plugin*

*Dependencies Resolved*

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<i>Package Size</i>	<i>Arch</i>	<i>Version</i>	<i>Repository</i>
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*Updating:*

<i>qcg-comp</i>	<i>x86_64</i>	<i>3.4.0-10</i>
<i>QCG.qcg-comp.sl5.x86_64</i>	<i>3.6 M</i>	
<i>qcg-comp-client</i>	<i>x86_64</i>	<i>3.4.0-10</i>
<i>QCG.qcg-comp.sl5.x86_64</i>	<i>428 k</i>	

<i>qcg-comp-logrotate</i>	<i>x86_64</i>	<i>3.4.0-10</i>	
<i>QCG.qcg-comp.sl5.x86_64</i>	<i>2.8 k</i>		
<i>qcg-comp-schemas</i>	<i>x86_64</i>	<i>3.4.0-10</i>	
<i>QCG.qcg-comp.sl5.x86_64</i>	<i>20 k</i>		
<i>qcg-core</i>	<i>x86_64</i>	<i>3.4.0-2</i>	<i>QCG.qcg-</i>
<i>comp.sl5.x86_64</i>	<i>557 k</i>		

*Transaction Summary*

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*Install* 0 *Package(s)*  
*Upgrade* 5 *Package(s)*

*Total download size: 4.6 M*

*Is this ok [y/N]: y*

*Downloading Packages:*

```
(1/5): qcg-comp-logrotate-3.4.0-10.x86_64.rpm
| 2.8 kB 00:00
(2/5): qcg-comp-schemas-3.4.0-10.x86_64.rpm
| 20 kB 00:00
(3/5): qcg-comp-client-3.4.0-10.x86_64.rpm
| 428 kB 00:00
(4/5): qcg-core-3.4.0-2.x86_64.rpm
| 557 kB 00:01
(5/5): qcg-comp-3.4.0-10.x86_64.rpm
| 3.6 MB 00:05
```

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```
Total 553
kB/s | 4.6 MB 00:08
```

*Running rpm\_check\_debug*

*Running Transaction Test*

*Finished Transaction Test*

*Transaction Test Succeeded*

*Running Transaction*

*Updating : qcg-core*

*1/10*

*Updating : qcg-comp-schemas*

*2/10*

*Updating : qcg-comp*

*3/10*

*Restarting services...*

*Shutting down qcg-compd: [ OK ]*

*qcg-compd is already running.*

*warning: /etc/qcg/qcg-comp/qcg-compd.xml created as /etc/qcg/qcg-comp/qcg-compd.xml.rpmnew*

*Updating : qcg-comp-client*

*4/10*

Updating : qcg-comp-logrotate  
5/10  
Cleanup : qcg-comp  
6/10  
Cleanup : qcg-core  
7/10  
Cleanup : qcg-comp-client  
8/10  
Cleanup : qcg-comp-schemas  
9/10  
Cleanup : qcg-comp-logrotate  
10/10

Updated:

qcg-comp.x86\_64 0:3.4.0-10 qcg-comp-client.x86\_64 0:3.4.0-10 qcg-comp-  
logrotate.x86\_64 0:3.4.0-10 qcg-comp-schemas.x86\_64 0:3.4.0-10  
qcg-core.x86\_64 0:3.4.0-2

Complete!

[root@qcg etc]# yum install qcg-comp-egi-is-provider

Loaded plugins: changelog, kernel-module, priorities, protectbase, security, tsflags,  
versionlock

Repository EGI-trustanchors is listed more than once in the configuration

404 packages excluded due to repository priority protections

241 packages excluded due to repository protections

Reading version lock configuration

Setting up Install Process

Resolving Dependencies

--> Running transaction check

---> Package qcg-comp-egi-is-provider.noarch 0:3.4.0-2 set to be updated

--> Processing Dependency: emi-resource-information-service >= 1.0.3-1 for package:  
qcg-comp-egi-is-provider

--> Processing Dependency: qcg-egi-is-conf >= 3.4.0 for package: qcg-comp-egi-is-  
provider

--> Running transaction check

---> Package emi-resource-information-service.noarch 0:1.0.3-1.el5 set to be updated

--> Processing Dependency: emi-version for package: emi-resource-information-  
service

--> Processing Dependency: glite-yaim-bdii for package: emi-resource-information-  
service

--> Processing Dependency: glue-validator for package: emi-resource-information-  
service

--> Processing Dependency: bdii for package: emi-resource-information-service

--> Processing Dependency: glue-validator-cron for package: emi-resource-  
information-service

--> Processing Dependency: glite-info-provider-service for package: emi-resource-  
information-service

---> Package qcg-egi-is-conf.noarch 0:3.4.0-3 set to be updated

--> Running transaction check

---> Package bdii.noarch 0:5.2.22-1.el5 set to be updated

--> *Processing Dependency: openldap2.4-servers for package: bdii*  
--> *Processing Dependency: openldap2.4-clients for package: bdii*  
--> *Package emi-version.x86\_64 0:3.7.4-1.el5 set to be updated*  
--> *Package glite-info-provider-service.noarch 0:1.13.3-1.el5 set to be updated*  
--> *Package glite-yaim-bdii.noarch 0:4.3.15-1.el5 set to be updated*  
--> *Package glue-validator.noarch 0:2.0.22-0.el5 set to be updated*  
--> *Package glue-validator-cron.noarch 0:1.3.0-1.el5 set to be updated*  
--> *Running transaction check*  
--> *Package openldap2.4-clients.x86\_64 0:2.4.22-1.el5 set to be updated*  
--> *Processing Dependency: lib64ldap2.4\_2 = 2.4.22-1.el5 for package: openldap2.4-clients*  
--> *Processing Dependency: liblber-2.4.so.2()(64bit) for package: openldap2.4-clients*  
--> *Processing Dependency: libldap-2.4.so.2()(64bit) for package: openldap2.4-clients*  
--> *Package openldap2.4-servers.x86\_64 0:2.4.22-1.el5 set to be updated*  
--> *Processing Dependency: openldap2.4-extra-schemas >= 1.3-7 for package: openldap2.4-servers*  
--> *Processing Dependency: openldap2.4-extra-schemas >= 1.3-7 for package: openldap2.4-servers*  
--> *Running transaction check*  
--> *Package lib64ldap2.4\_2.x86\_64 0:2.4.22-1.el5 set to be updated*  
--> *Processing Dependency: openldap2.4 >= 2.1.25-4mdk for package: lib64ldap2.4\_2*  
--> *Package openldap2.4-extra-schemas.noarch 0:1.3-10.el5 set to be updated*  
--> *Running transaction check*  
--> *Package openldap2.4.x86\_64 0:2.4.22-1.el5 set to be updated*  
--> *Finished Dependency Resolution*  
*Beginning Kernel Module Plugin*  
*Finished Kernel Module Plugin*

### *Dependencies Resolved*

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<i>Package</i>	<i>Arch</i>	<i>Version</i>
<i>Repository</i>	<i>Size</i>	

=====

*Installing:*

*qcg-comp-egi-is-provider*                      *noarch*                      *3.4.0-2*  
*QCG.qcg-comp.sl5.x86\_64*                      *4.8 k*

*Installing for dependencies:*

*bdii*                                      *noarch*                      *5.2.22-1.el5*                      *UMD-3-*  
*updates*                                      *25 k*  
*emi-resource-information-service*                      *noarch*                      *1.0.3-1.el5*  
*UMD-3-base*                                      *1.8 k*  
*emi-version*                                      *x86\_64*                      *3.7.4-1.el5*                      *UMD-*  
*3-updates*                                      *2.3 k*

<i>glite-info-provider-service</i>	<i>noarch</i>	<i>1.13.3-1.el5</i>
<i>UMD-3-updates</i>	<i>68 k</i>	
<i>glite-yaim-bdii</i>	<i>noarch</i>	<i>4.3.15-1.el5</i>
<i>UMD-3-updates</i>	<i>11 k</i>	
<i>glue-validator</i>	<i>noarch</i>	<i>2.0.22-0.el5</i>
<i>UMD-3-updates</i>	<i>101 k</i>	
<i>glue-validator-cron</i>	<i>noarch</i>	<i>1.3.0-1.el5</i>
<i>UMD-3-updates</i>	<i>3.8 k</i>	
<i>lib64ldap2.4_2</i>	<i>x86_64</i>	<i>2.4.22-1.el5</i>
<i>UMD-3-base</i>	<i>300 k</i>	
<i>openldap2.4</i>	<i>x86_64</i>	<i>2.4.22-1.el5</i>
<i>UMD-3-base</i>	<i>40 k</i>	
<i>openldap2.4-clients</i>	<i>x86_64</i>	<i>2.4.22-1.el5</i>
<i>UMD-3-base</i>	<i>298 k</i>	
<i>openldap2.4-extra-schemas</i>	<i>noarch</i>	<i>1.3-10.el5</i>
<i>UMD-3-base</i>	<i>46 k</i>	
<i>openldap2.4-servers</i>	<i>x86_64</i>	<i>2.4.22-1.el5</i>
<i>UMD-3-base</i>	<i>2.1 M</i>	
<i>qcg-egi-is-conf</i>	<i>noarch</i>	<i>3.4.0-3</i>
<i>QCG.qcg-comp.sl5.x86_64</i>	<i>3.2 k</i>	

*Transaction Summary*

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```

*Install 14 Package(s)*  
*Upgrade 0 Package(s)*

*Total download size: 3.0 M*

*Is this ok [y/N]: y*

*Downloading Packages:*

*(1/14): emi-resource-information-service-1.0.3-1.el5.noarch.rpm*

*| 1.8 kB 00:00*

*(2/14): emi-version-3.7.4-1.el5.x86\_64.rpm*

*| 2.3 kB 00:00*

*(3/14): qcg-egi-is-conf-3.4.0-3.noarch.rpm*

*| 3.2 kB 00:00*

*(4/14): glue-validator-cron-1.3.0-1.el5.noarch.rpm*

*| 3.8 kB 00:00*

*(5/14): qcg-comp-egi-is-provider-3.4.0-2.noarch.rpm*

*| 4.8 kB 00:00*

*(6/14): glite-yaim-bdii-4.3.15-1.el5.noarch.rpm*

*| 11 kB 00:00*

*(7/14): bdii-5.2.22-1.el5.noarch.rpm*

*| 25 kB 00:00*

*(8/14): openldap2.4-2.4.22-1.el5.x86\_64.rpm*

*| 40 kB 00:00*

*(9/14): openldap2.4-extra-schemas-1.3-10.el5.noarch.rpm*

*| 46 kB 00:00*

(10/14): *glite-info-provider-service-1.13.3-1.el5.noarch.rpm*  
| 68 kB 00:00  
(11/14): *glue-validator-2.0.22-0.el5.noarch.rpm*  
| 101 kB 00:00  
(12/14): *openldap2.4-clients-2.4.22-1.el5.x86\_64.rpm*  
| 298 kB 00:00  
(13/14): *lib64ldap2.4\_2-2.4.22-1.el5.x86\_64.rpm*  
| 300 kB 00:00  
(14/14): *openldap2.4-servers-2.4.22-1.el5.x86\_64.rpm*  
| 2.1 MB 00:01

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*Total* 401  
*kB/s* | 3.0 MB 00:07  
*Running rpm\_check\_debug*  
*Running Transaction Test*  
*Finished Transaction Test*  
*Transaction Test Succeeded*  
*Running Transaction*  
  *Installing* : *glue-validator*  
1/14  
  *Installing* : *glue-validator-cron*  
2/14  
  *Installing* : *glite-yaim-bdii*  
3/14  
  *Installing* : *emi-version*  
4/14  
  *Installing* : *glite-info-provider-service*  
5/14  
  *Installing* : *lib64ldap2.4\_2*  
6/14  
  *Installing* : *openldap2.4-clients*  
7/14  
  *Installing* : *openldap2.4*  
8/14  
  *Installing* : *openldap2.4-extra-schemas*  
9/14  
*useradd: user ldap exists*  
*Adding user ldap to group ldap*  
  *Installing* : *openldap2.4-servers*  
10/14  
  *Installing* : *bdii*  
11/14  
  *Installing* : *emi-resource-information-service*  
12/14  
  *Installing* : *qcg-egi-is-conf*  
13/14

*The package requires initial configuration in order to be used by QCG providers.  
Run `qcg-info-site-config -s <site-ID>` to set appropriate data.*



The list of available site-IDs can be found at [https://goc.egi.eu/portal/index.php?Page\\_Type=Sites](https://goc.egi.eu/portal/index.php?Page_Type=Sites)

Installing : qcg-comp-egi-is-provider  
14/14

Installed:  
qcg-comp-egi-is-provider.noarch 0:3.4.0-2

Dependency Installed:  
bdii.noarch 0:5.2.22-1.el5 emi-resource-information-service.noarch  
0:1.0.3-1.el5 emi-version.x86\_64 0:3.7.4-1.el5  
glite-info-provider-service.noarch 0:1.13.3-1.el5 glite-yaim-bdii.noarch 0:4.3.15-  
1.el5 glue-validator.noarch 0:2.0.22-0.el5  
glue-validator-cron.noarch 0:1.3.0-1.el5 lib64ldap2.4\_2.x86\_64 0:2.4.22-  
1.el5 openldap2.4.x86\_64 0:2.4.22-1.el5  
openldap2.4-clients.x86\_64 0:2.4.22-1.el5 openldap2.4-extra-schemas.noarch  
0:1.3-10.el5 openldap2.4-servers.x86\_64 0:2.4.22-1.el5  
qcg-egi-is-conf.noarch 0:3.4.0-3

Complete!  
[root@qcg etc]# vi /etc/sysconfig/bdii  
[root@qcg etc]# rm -f /etc/cron.daily/ldap-hot-db-backup2.4  
[root@qcg etc]# chkconfig ldap off  
[root@qcg etc]# chkconfig ldap2.4 off  
[root@qcg etc]# chkconfig bdii on  
[root@qcg bdii]# qcg-info-site-config -s WCSS-PPS  
[root@qcg etc]# service bdii start  
Starting BDII slapd: [ OK ]  
Starting BDII update process: [ OK ]

Information system tests:  
QC\_INFO\_1  
[root@qcg validator]# glue-validator -s general -H localhost -p 2170 -b o=grid -v 3 -g  
glue1  
WARNING - errors 0, warnings 1, info 0 | errors=0;warnings=1;info=0

W037 Description: Wrong type  
W037 Affected DN: GlueServiceUniqueID=qcg.wcss.pl\_org.ogf.bes\_2596930851  
Mds-Vo-name=resource  
o=grid

W037 Affected attribute: GlueServiceType  
W037 Published value: ['org.ogf.bes']  
W037 Additional information: Expected type is ServiceType\_t

QC\_INFO\_2  
[root@qcg validator]# glue-validator -s general -H localhost -p 2170 -b o=glue -v 3 -g  
glue2  
WARNING - errors 0, warnings 1, info 0 | errors=0;warnings=1;info=0

W037 Description: Wrong type

*W037 Affected DN: GLUE2ServiceID=qcg.wcss.pl\_unknown\_2596930851  
GLUE2GroupID=resource  
o=glue*

*W037 Affected attribute: GLUE2ServiceType*

*W037 Published value: ['org.qcg.computing']*

*W037 Additional information: Expected type is ServiceType\_t*

*QC\_INFO\_3*

*[root@qcg bdi]# ldapsearch -x -h localhost -p 2170 -b  
GLUE2GroupID=resource,o=glue objectclass=GLUE2Endpoint | grep -e  
ImplementationVersion -e MiddlewareVersion  
GLUE2EntityOtherInfo: MiddlewareVersion=3.7.4-1.el5  
GLUE2EndpointImplementationVersion: 3.4.0*