

Quality Criteria Verification Report

Product	<i>QCG.qcg-ntf.sl5.x86_64</i>	Release	<i>3.2.0</i>
Software Provider	<i>www.qoscosgrid.org</i>	RT Ticket	<i># 6443</i>
Provider contact	<i>Mariusz Mamoński <mamonski@man.poznan.pl></i>		
Verifier	<i>Franciszek Klajn <franciszek.klajn@pwr.wroc.pl></i>		
Hours worked	<i>2 hour</i>	Date	<i>28.11.2013</i>
Status	Accepted		

Summary

Verification of this minor update was done by installing the product and checking the basic functionality.

Related tickets

There is a typo in the default configuration file of QCG NTF Client - reported in: https://ggus.eu/ws/ticket_info.php?ticket=99332

Documentation Criteria

Document	Link
Release notes	<i>http://www.qoscosgrid.org/trac/qcg-notification/export/HEAD/tags/current/RELEASE_NOTES#1</i>
User Documentation	<i>N/A</i>
API Documentation	<i>N/A</i>
Admin Documentation	<i>https://www.qoscosgrid.org/trac/qcg-notification/wiki/technicalGuideAndManual</i>
Software License	<i>http://www.qoscosgrid.org/trac/qcg-notification/wiki/license</i>

Generic Criteria

Criteria	Status¹	Additional Comments
Binary Distribution	OK	
Upgrade	NT	
X.509 Certificate support	NT	https://documents.egi.eu/public/ShowDocument?docid=1879
SHA-2 Certificates Support	NT	https://documents.egi.eu/public/ShowDocument?docid=1879
RFC Proxy support		https://documents.egi.eu/public/ShowDocument?docid=1879
ARGUS Integration	NA	

¹**OK**, **WARN**, **FAIL**, NA (Not Applicable) or NT (Not Tested)

World Writable Files	OK	
Passwords in world readable files	OK	
GlueSchema 1.3 Support	NA	The QCG middleware does not use BDII.
GlueSchema 2.0 Support	NA	The QCG middleware does not use BDII.
Middleware Version Information	NA	The QCG middleware does not use BDII.
Service Probes	OK	https://ngi-mon.grid.cyf-kr.edu.pl/nagios/cgi-bin/status.cgi?host=qcg-ntf.wcss.pl
Accounting Records	NA	
Bug Tracking System	NT	https://documents.egi.eu/public/ShowDocument?docid=1879

Specific QC

Basic Functionality Test

Criteria	Status ²	Additional Comments
Notification Interface	TP	https://documents.egi.eu/public/ShowDocument?docid=1879

New Features/Fixed Bugs

Additional Info

Installation log:

```
[root@qcg-ntf ~]# yum install qcg-ntf
```

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

```
QCG.qcg-ntf.sl5.x86_64
```

```
| 1.9 kB 00:00
```

```
QCG.qcg-ntf.sl5.x86_64/primary_db
```

```
| 10 kB 00:00
```

```
epel
```

```
3.6 kB 00:00
```

```
epel/primary_db
```

```
| 3.9 MB 00:01
```

```
slc5-extras
```

```
| 2.7 kB 00:00
```

```
slc5-os
```

```
| 2.1 kB 00:00
```

```
slc5-updates
```

```
| 3.0 kB 00:00
```

263 packages excluded due to repository protections

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

Installed:

qcg-ntf.x86_64 0:3.2.0-3

Dependency Installed:

*postgresql-libs.x86_64 0:8.1.23-6.el5_8 postgresql-odbc.x86_64 0:08.01.0200-3.1
qcg-core.x86_64 0:3.2.0-3 qcg-libxml2.x86_64 0:2.9.1-1*

Complete!

[root@qcg-ntf ~]# /usr/share/qcg-ntf/tools/qcg-ntf-install.sh

Welcome to qcg-ntf installation script!

This script will guide you through process of configuring proper environment for running the QCG Notification service. You have to answer few questions regarding parameters of your database. If you are not sure just press Enter and use the default values.

Use local PostgreSQL server? (y/n) [y]: y

Database [qcg-ntf]:

User [qcg-ntf]:

*Password [*****]:*

Create database? (y/n) [y]: y

Create user? (y/n) [y]: y

Checking for system user qcg-ntf...OK

Checking whether PostgreSQL server is installed...

PostgreSQL server is not installed. Install now? (y/n) [y]: y

Installing PostgreSQL server...OK

Checking whether PostgreSQL server is running...

PostgreSQL server is not running. Start now? (y/n) [y]: y

Starting PostgreSQL server...OK

Performing installation

** Creating user qcg-ntf...OK*

** Creating database qcg-ntf...OK*

** Creating database schema...OK*

** Checking for ODBC data source qcg-ntf...*

** Installing ODBC data source...OK*

The newly established database settings must be reflected in the Database section of the QCG-Notification configuration file

(by default /etc/qcg/qcg-ntf/qcg-ntfd.xml)

Remember to add appropriate entry to /var/lib/pgsql/data/pg_hba.conf (as the first rule!) to allow user qcg-ntf to access database qcg-ntf. For instance:

host qcg-ntf qcg-ntf 127.0.0.1/32 md5

and reload Postgres server.

```
[root@qcg-ntf ~]# vi /var/lib/pgsql/data/pg_hba.conf
[root@qcg-ntf ~]# /etc/init.d/postgresql restart
Stopping postgresql service:          [ OK ]
Starting postgresql service:         [ OK ]
[root@qcg-ntf ~]# vi /etc/qcg/qcg-ntf/qcg-ntfd.xml
[root@qcg-ntf ~]# /etc/init.d/qcg-ntfd start
Starting qcg-ntfd:                    [ OK ]
[root@qcg-ntf ~]# tail /var/log/qcg/qcg-ntf/qcg-ntfd.log
INF Nov 28 14:18:40 18876 0x2acd8cee57c0 [.....]
'http://schemas.qoscosgrid.org/comp/2011/04/notification/topic/ActivityState/TerminalS
tate'
INF Nov 28 14:18:40 18876 0x2acd8cee57c0 [.....]
'http://schemas.qoscosgrid.org/ntf/2012/04/application-output-topics/Quantum'
INF Nov 28 14:18:40 18876 0x2acd8cee57c0 [.....]
'http://schemas.qoscosgrid.org/ntf/2011/04/sample/myhousetopics/House/Kitchen/Cook'
INF Nov 28 14:18:40 18876 0x2acd8cee57c0 [.....]
'http://schemas.qoscosgrid.org/comp/2011/04/notification/topic/ActivityState/Suspended
',
INF Nov 28 14:18:40 18876 0x2acd8cee57c0 [.....]
'http://schemas.qoscosgrid.org/broker/2012/01/notification-topics/QCGBroker/Job'
INF Nov 28 14:18:40 18876 0x2acd8cee57c0 [.....] PullPoints recovered from
database
INF Nov 28 14:18:40 18876 0x2acd8cee57c0 [.....] Subscriptions recovered
from database
INF Nov 28 14:18:40 18876 0x2acd8cee57c0 [.....] Publishers' Registrations
recovered from database
INF Nov 28 14:18:40 18876 0x2acd8cee57c0 [.....] Notifications buffer objects
recovered from database
INF Nov 28 14:18:40 18876 0x2acd8cee57c0 [ntf-service-gso] Service Address:
http://qcg-ntf.wcss.pl:19001
[root@qcg-ntf ~]# yum install qcg-ntf-client
Loaded plugins: changelog, kernel-module, protectbase, security, tsflags, versionlock
QCG.qcg-ntf.sl5.x86_64
| 1.9 kB  00:00
epel
3.6 kB  00:00
slc5-extras
| 2.7 kB  00:00
slc5-os
| 2.1 kB  00:00
slc5-updates
| 3.0 kB  00:00
263 packages excluded due to repository protections
Reading version lock configuration
Setting up Install Process
Resolving Dependencies
--> Running transaction check
---> Package qcg-ntf-client.x86_64 0:3.2.0-3 set to be updated
--> Finished Dependency Resolution
```


inalState/Finished;Full msg=<smcm:ActivityState
xmlns:smcm="http://schemas.qoscosgrid.org/comp/2011/04/notification/message"><smcm:ActivityId>\$QCG_NTF_MSG_CONTENT</smcm:ActivityId><smcm:Status>Finished</smcm:Status><smcm:ExitStatus>0</smcm:ExitStatus></smcm:ActivityState>"
ERROR Nov 29 15:15:10 24274 0x2b65208f6160 [.....libxml] File: /etc/qcg/qcg-ntf/qcg-ntf-client.xml, line: 37
ERROR Nov 29 15:15:10 24274 0x2b65208f6160 [.....libxml] /etc/qcg/qcg-ntf/qcg-ntf-client.xml:37:
ERROR Nov 29 15:15:10 24274 0x2b65208f6160 [.....libxml] File: /etc/qcg/qcg-ntf/qcg-ntf-client.xml, line: 37
ERROR Nov 29 15:15:10 24274 0x2b65208f6160 [.....libxml] parser
ERROR Nov 29 15:15:10 24274 0x2b65208f6160 [.....libxml] File: /etc/qcg/qcg-ntf/qcg-ntf-client.xml, line: 37
ERROR Nov 29 15:15:10 24274 0x2b65208f6160 [.....libxml] error :
ERROR Nov 29 15:15:10 24274 0x2b65208f6160 [.....libxml] File: /etc/qcg/qcg-ntf/qcg-ntf-client.xml, line: 37
ERROR Nov 29 15:15:10 24274 0x2b65208f6160 [.....libxml] StartTag: invalid element name

ERROR Nov 29 15:15:10 24274 0x2b65208f6160 [.....libxml] File: /etc/qcg/qcg-ntf/qcg-ntf-client.xml, line: 37

ERROR Nov 29 15:15:10 24274 0x2b65208f6160 [.....libxml]

<--

ERROR Nov 29 15:15:10 24274 0x2b65208f6160 [.....libxml] File: /etc/qcg/qcg-ntf/qcg-ntf-client.xml, line: 37

ERROR Nov 29 15:15:10 24274 0x2b65208f6160 [.....libxml]

^

ERR Nov 29 15:15:10 24274 0x2b65208f6160 [.....] Could not parse XML configuration file: /etc/qcg/qcg-ntf/qcg-ntf-client.xml

EME Nov 29 15:15:10 24274 0x2b65208f6160 [.....] Could not read configuration file: /etc/qcg/qcg-ntf/qcg-ntf-client.xml

EME Nov 29 15:15:10 24274 0x2b65208f6160 [.....] Fatal error occurred [root@qcg-ntf ~]# vi /etc/qcg/qcg-ntf/qcg-ntf-client.xml +37

[root@qcg-ntf ~]# qcg-ntf-client -u http://qcg-ntf.wcss.pl:19001 -S

"cons=http://localhost:2233

top=http://schemas.qoscosgrid.org/ntf/2011/04/sample/myhousetopics;/**;Full"

Subscribe details:

>>> provider: 'http://qcg-ntf.wcss.pl:19001'

>>> consRef: 'http://localhost:2233'

>>> topicNamespace:

'http://schemas.qoscosgrid.org/ntf/2011/04/sample/myhousetopics'

>>> topic: '/*'

>>> dialect: 'http://docs.oasis-open.org/wsn/t-1/TopicExpression/Full'

>>> period: "

>>> xslt: no

Subscribed, subRef: '1819052800'