

Quality Criteria Verification Report

Product	<i>QCG-Broker</i> <i>qcg-broker-3.2.0-12.noarch.rpm</i> <i>QCG-Broker client</i> <i>qcg-broker-client-3.2.0-19.noarch.rpm</i>	Release	3.2.0
Software Provider	<i>www.qoscosgrid.org</i>	RT Ticket	6448,6447,6450, 6451
Provider contact	<i>Tomasz Piontek</i> < piontek@man.poznan.pl >		
Verifier	<i>Pawel Wolniewicz</i> < pawelw@man.poznan.pl >		
Hours worked	<i>4 hours</i>	Date	<i>27.11.2013</i>
Status	Accepted		

Summary

Software passes Quality Criteria Verification

Related tickets

none

Documentation Criteria

Document	Link
Release notes	http://www.qoscosgrid.org/trac/qcg-broker/wiki/qcg-broker-release_notes http://www.qoscosgrid.org/trac/qcg-broker/wiki/qcg-broker-client_release_notes
User Documentation	http://www.qoscosgrid.org/trac/qcg-broker/wiki/client_user_guide

API Documentation	NA
Admin Documentation	http://www.goscosgrid.org/trac/qcg-broker/wiki/installation_guide_rpm http://www.goscosgrid.org/trac/qcg-broker/wiki/client-installation-guide
Software License	http://www.goscosgrid.org/trac/qcg/wiki/license

Generic Criteria

Criteria	Status ¹	Additional Comments
Binary Distribution	OK	RPM repository for SL5 and SL6: http://www.goscosgrid.org/qcg-packages/ No installation problems
Upgrade	OK	
X.509 Certificate support	OK	
SHA-2 Certificates Support	OK	via jGlobus2 library
RFC Proxy support	OK	via jGlobus2 library
ARGUS Integration	WARNING	Not integrated
World Writable Files	OK	
Passwords in world readable files	OK	

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

GlueSchema 1.3 Support	WARNING	Not integrated with BDII
GlueSchema 2.0 Support	WARNING	Not integrated with BDII
Middleware Version Information	WARNING	Not integrated with BDII
Service Probes	OK	
Accounting Records	NA	Accounting is done on QCG-Computing service level
Bug Tracking System	OK	QosCosGrid support unit

Specific QC

Basic Functionality Test

Report what was tested and the results or NA

Tested:

Broker set-up and configured

- yum install qcg-broker
- configuration (adding QCG-computing nodes)
- service qcg-broker start
- submission of jobs to the broker

QCG-Broker-client installed and configured

- yum install qcg-broker-client
- configuration (set up broker address)
- qcg-sub test.qcg (with various QCG parameters)
- qcg-list -s all -S 1d
- qcg-info
- qcg-cancel
- qcg-client -console

- qcg-diagnose

New Features/Fixed Bugs

Report any new features/fixed bugs of the software tested and the results or NA

- Support for interactive jobs (qcg-sub -I)
- Jobs resubmission (qcg-resub)

Additional Info

Some minor comments:

- The command `qcg_how_to_start` shows information in Polish.
- Software require user key and x509 certificate. Variable `X509_USER_PROXY` is ignored
- `qcg-cbroker-client` commands expect that files in the local directory are accessible with `gridftp` client using current certificate. (It causes problems if `gridmap-file` maps this certificate to other account than the current.) Documentation and message error are a bit confusing in this aspect.