# Quality Criteria Verification Report

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| --- | --- | --- | --- |
| **Product** | QCG Broker and Client | **Release** | 4.2.0 |
| **Software Provider** | PSNC | **RT Ticket** | #13031, #13030 |
| **Provider contact** | Tomasz Piontek <piontek@man.poznan.pl> | | |
| **Verifier** | Paweł Wolniewicz <pawelw@man.poznan.pl> | | |
| **Hours worked** | 4 hours | **Date** | 30.06.2017 |
| **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 |
| User Documentation | http://www.qoscosgrid.org/trac/qcg-broker/wiki/client\_user\_guide |
| API Documentation | NA |
| Admin Documentation | http://www.qoscosgrid.org/trac/qcg-broker/wiki/installation\_guide\_rpm |
| Software License | http://www.qoscosgrid.org/trac/qcg/wiki/license |

# Generic Criteria

|  |  |  |
| --- | --- | --- |
| **Criteria** | **Status[[1]](#footnote-1)** | **Additional Comments** |
| Binary Distribution | OK |  |
| Upgrade | OK |  |
| X.509 Certificate support | OK |  |
| SHA-2 Certificates Support | OK |  |
| RFC Proxy support | OK |  |
| ARGUS Integration | NA | Integrated on QCG Computing level |
| World Writable Files | OK |  |
| Passwords in world readable files | OK |  |
| GlueSchema 1.3 Support | OK |  |
| GlueSchema 2.0 Support | OK |  |
| Middleware Version Information | OK |  |
| 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:

QCG-Broker set-up and configured

- yum install qcg-broker

- configuration (adding QCG-computing nodes)

- service qcg-broker start|status|stop

-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

## New Features/Fixed Bugs

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

NA

# Additional Info

*Include here any additional logs and details relevant for the verification*

Some minor comments:

* The command qcg\_how\_to\_start shows information in Polish.
* Configuration is not error prone. E.g. additional space after dirs deffined in global-config.prop causes start error. (values should be trimmed)
* Broker problems can cause qcg-client hangs. E.g. wrong format of host private key causes 30 minute delay in qcg-client commandlines.

* Confusing error message “- StatusDesc: Unhandled error occured: java.lang.NullPointerException” – probably this is a result of incorrect input file or incorrect broker configurationg

1. **OK, WARN, FAIL, NA (Not Applicable) or NT (Not Tested)**  [↑](#footnote-ref-1)