
GT4 Java WS A&A Quality Report

Table of Contents

1. Test coverage reports	1
2. Code analysis reports	1
3. Outstanding bugs	1
4. Bug Fixes	2
5. Performance reports	2

<titleabbrev>Quality Report</titleabbrev>

1. Test coverage reports

- [Clover report](#)¹

2. Code analysis reports

- [PMD report](#)²
- [FindBugs report](#)³

3. Outstanding bugs

- [Bug 2362](#):⁴ location of user proxy for java inconsistencies
- [Bug 2445](#):⁵ Holder problem
- [Bug 2907](#):⁶ Secure Conversation (Encryption) does not provide any message level security for the SOAP headers
- [Bug 3027](#):⁷ Kerberos based authentication option for GT4
- [Bug 3171](#):⁸ add RFC 2253 principal name to JAAS subject
- [Bug 3449](#):⁹ ERROR container.GSIServiceThread
- [Bug 3603](#):¹⁰ Remote exceptions thrown contain server specific information
- [Bug 3928](#):¹¹ IPv6 addresses in reverse lookups - fix or faq?

¹ <http://www.mcs.anl.gov/~gawor/javawscore/HEAD/clover/clover-reports-html/>

² http://www.mcs.anl.gov/~gawor/javawscore/HEAD/pmd/pmd_report.html

³ http://www.mcs.anl.gov/~gawor/javawscore/HEAD/findbugs/findbugs_report.html

⁴ http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=2362

⁵ http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=2445

⁶ http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=2907

⁷ http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=3027

⁸ http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=3171

⁹ http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=3449

¹⁰ http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=3603

¹¹ http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=3928

- [Bug 3941](#):¹² Expired credentials detected - candidate for sec error msg improvements
- [Bug 4222](#):¹³ Allow for credential refresh in subscriptions
- [Bug 4403](#):¹⁴ Secure calls for secure context establishment
- [Bug 4442](#):¹⁵ Security descriptor refresh
- [Bug 5008](#):¹⁶ voms-proxy-init creates non-critical KeyUsage extension which causes Java GSI to raise exception
- [Bug 5026](#):¹⁷ Signarure validation failure on GRAM/RFT interaction on some cases
- [Bug 6125](#):¹⁸ Stack trace and poor error message with no gridmap configured

4. Bug Fixes

- [Bug 4933](#):¹⁹ mismatched providers in BouncyCastleCertProcessingFactory
- [Bug 5983](#):²⁰ Better error for certificate not yet valid
- [Bug 6033](#):²¹ Deny-overrides in GT4.2 authz framework
- [Bug 6034](#):²² Two new security logging fixes

5. Performance reports

Secure access of WSRF and WSN operations using GSI Transport and GSI Secure Message have been measured. Test reports are in [here](#)²³.

¹² http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=3941

¹³ http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=4222

¹⁴ http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=4403

¹⁵ http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=4442

¹⁶ http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=5008

¹⁷ http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=5026

¹⁸ http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=6125

¹⁹ http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=4933

²⁰ http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=5983

²¹ http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=6033

²² http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=6034

²³ [../././common/javawscore/java_ws_core_wsrf_perf.html](#)