

Security Findings of Project "tools"

Analysis Date: 2020-06-13 09:30:29

Analyzed Workspace:

Packages:	2	Total LOC:	2,059
Classes:	10	No. of Bytecode Instructions:	9,922

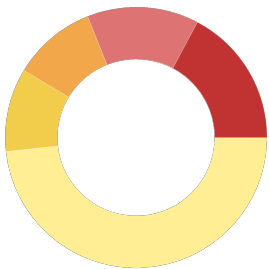
Computed Call Graph:

Classes not in Call Graph:	0	Methods not in Call Graph:	0
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Findings in List:

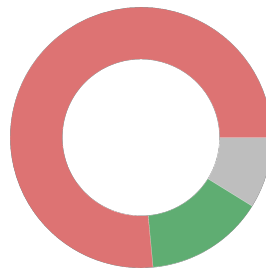
All Findings:	34	Problematic Findings:	29
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Finding Problem Types:



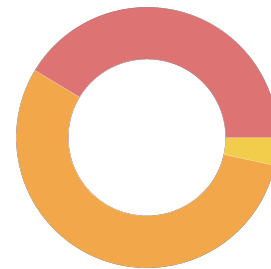
- Resource Leak: IO St...: 5
- Usage: PrintStackTra...: 4
- Privacy Leak: Output...: 3
- FindSecBugs: TrustMa...: 3
- Other: 14

Finding Classifications:



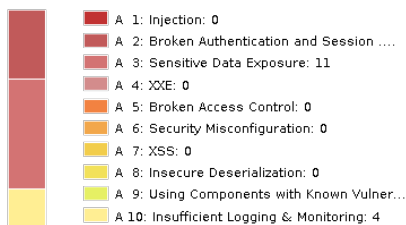
- High risk: 26
- No risk: 5
- Neutral: 3

Finding Ratings:

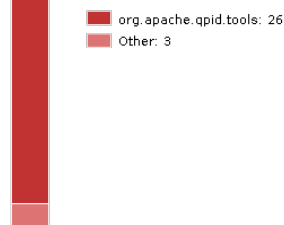


- High risk: 12
- Medium risk: 16
- Low risk: 1

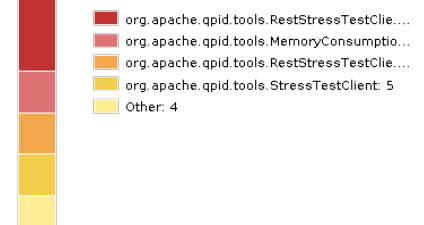
OWASP Top 10 2017



Hot Spots (Packages)



Hot Spots (Classes)



Findings List

Finding ID:	30	Problem Type:	Application Server: Password in Configuration File (Special Code)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	8.00	Reviewed State:	Not Reviewed
Location:	stress-test-client-qpuid-jms-client.properties (<Resources>/XanitizerParentDirMarker/XanitizerParentDirMarker/XanitizerParentDirMarker/XanitizerParentDirMarker/media/data/muse2/muse2repo_qpuid_src/qpuid-mutant8/tools/src/main/resources):23		
Tags:	no tags assigned		
Comment:	no comment		
Description:	An identified location for problem type 'Application Server: Password in Configuration File'.		

Finding ID:	31	Problem Type:	Application Server: Password in Configuration File (Special Code)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	8.00	Reviewed State:	Not Reviewed
Location:	stress-test-client-qpuid-jms-client.properties (<Resources>/XanitizerParentDirMarker/XanitizerParentDirMarker/XanitizerParentDirMarker/XanitizerParentDirMarker/media/data/muse2/muse2repo_qpuid_src/qpuid-mutant8/tools/src/main/resources):24		
Tags:	no tags assigned		
Comment:	no comment		
Description:	An identified location for problem type 'Application Server: Password in Configuration File'.		

Finding ID:	32	Problem Type:	Application Server: Password in Configuration File (Special Code)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	8.00	Reviewed State:	Not Reviewed
Location:	stress-test-client-qpuid-jms-client.properties (<Resources>/XanitizerParentDirMarker/XanitizerParentDirMarker/XanitizerParentDirMarker/XanitizerParentDirMarker/media/data/muse2/muse2repo_qpuid_src/qpuid-mutant8/tools/src/main/resources):25		
Tags:	no tags assigned		
Comment:	no comment		
Description:	An identified location for problem type 'Application Server: Password in Configuration File'.		

Finding ID:	22	Problem Type:	FindSecBugs: Hard Coded Password (SpotBugs Security Issues)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	8.00	Reviewed State:	Not Reviewed
Location:	MemoryConsumptionTestClient.java (<Source Code>/org/apache/qpuid/tools):124		
Tags:	no tags assigned		
Comment:	no comment		
Description:	<p>A finding identified by the external 'SpotBugs' plugin: Hard coded password found</p> <ul style="list-style-type: none">- In method org.apache.qpid.tools.MemoryConsumptionTestClient.main(String[])- Sink method java.util.Map.put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;- Sink parameter 0		

Findings List

Finding ID:	29	Problem Type:	Hard-Coded Credentials: Password in Variables (Special Code)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	8.00	Reviewed State:	Not Reviewed
Location:	MemoryConsumptionTestClient.java (<Source Code>/org/apache/qpid/tools):87		
Tags:	no tags assigned		
Comment:	<i>no comment</i>		
Description:	An identified location for problem type 'Hard-Coded Credentials: Password in Variables'. Literal credential in field 'JMX_USER_PASSWORD_ARG'		

Finding ID:	27	Problem Type:	Hard-Coded Credentials: Username in Variables (Special Code)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	8.00	Reviewed State:	Not Reviewed
Location:	MemoryConsumptionTestClient.java (<Source Code>/org/apache/qpid/tools):86		
Tags:	no tags assigned		
Comment:	<i>no comment</i>		
Description:	An identified location for problem type 'Hard-Coded Credentials: Username in Variables'. Literal credential in field 'JMX_USER_ARG'		

Finding ID:	28	Problem Type:	Hard-Coded Credentials: Username in Variables (Special Code)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	8.00	Reviewed State:	Not Reviewed
Location:	MemoryConsumptionTestClient.java (<Source Code>/org/apache/qpid/tools):87		
Tags:	no tags assigned		
Comment:	<i>no comment</i>		
Description:	An identified location for problem type 'Hard-Coded Credentials: Username in Variables'. Literal credential in field 'JMX_USER_PASSWORD_ARG'		

Findings List

Finding ID:	12	Problem Type:	Cryptography: Check that only allowed crypto algorithms are used (Protocol Check Findings)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	5.00	Reviewed State:	Not Reviewed
Location:	RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):536		
Tags:	no tags assigned		
Comment:	no comment		
Description:	<p>An identified location for problem type 'Cryptography: Check that only allowed crypto algorithms are used'.</p> <p>The protocol check detected something wrong when encountering symbol 'AnyAlgorithm_MacGetInstance'.</p> <p>Violated protocol: Check Allowed Cryptography Algorithms</p> <p>Protocol description:</p> <p>Allow only a given set of cryptography algorithm names where algorithm names are expected.</p> <p>The algorithm names are configured via constant value constraint variables.</p> <p>Names to be checked against can be found here: https://docs.oracle.com/javase/8/docs/technotes/guides/security/StandardNames.html</p> <p>Matching pattern in protocol check kind 'AnyAlgorithm_MacGetInstance':</p> <pre>static javax.crypto.Mac javax.crypto.Mac.getInstance(java.lang.String, ***)</pre>		

Finding ID:	13	Problem Type:	Cryptography: Check that only allowed crypto algorithms are used (Protocol Check Findings)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	5.00	Reviewed State:	Not Reviewed
Location:	RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):537		
Tags:	no tags assigned		
Comment:	no comment		
Description:	<p>An identified location for problem type 'Cryptography: Check that only allowed crypto algorithms are used'.</p> <p>The protocol check detected something wrong when encountering symbol 'AnyAlgorithm_SecretKeySpec'.</p> <p>Violated protocol: Check Allowed Cryptography Algorithms</p> <p>Protocol description:</p> <p>Allow only a given set of cryptography algorithm names where algorithm names are expected.</p> <p>The algorithm names are configured via constant value constraint variables.</p> <p>Names to be checked against can be found here: https://docs.oracle.com/javase/8/docs/technotes/guides/security/StandardNames.html</p> <p>Matching pattern in protocol check kind 'AnyAlgorithm_SecretKeySpec':</p> <pre>javax.crypto.spec.SecretKeySpec(byte[], java.lang.String)</pre>		

Findings List

Finding ID:	11	Problem Type:	Cryptography: Cryptographic Algorithms Used in Project (Special Code)
Classification:	Information	Date:	2020-06-13 09:30:29 - new
Rating:	0.00	Reviewed State:	Not Reviewed
Location:	RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):536		
Tags:	no tags assigned		
Comment:	no comment		
Description:	An identified location for problem type 'Cryptography: Cryptographic Algorithms Used in Project'. Declared in: javax.crypto.Mac		
	Matching pattern in special code kind 'Cryptography: Cryptographic Algorithms Used in Project': static javax.crypto.** javax.crypto.**.getInstance(java.lang.String)		

Finding ID:	5	Problem Type:	Cryptography: Cryptographic Algorithms w/o Specified Crypto-Provider (Special Code)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	1.00	Reviewed State:	Not Reviewed
Location:	RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):536		
Tags:	no tags assigned		
Comment:	no comment		
Description:	An identified location for problem type 'Cryptography: Cryptographic Algorithms w/o Specified Crypto-Provider'. Declared in: javax.crypto.Mac Matching pattern in special code kind 'Cryptography: Cryptographic Algorithms w/o Specified Crypto-Provider': static javax.crypto.** javax.crypto.**.getInstance(java.lang.String)		

Finding ID:	25	Problem Type:	FindSecBugs: TrustManager that accept any certificates (SpotBugs Security Issues)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	8.00	Reviewed State:	Not Reviewed
Location:	RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):119		
Tags:	no tags assigned		
Comment:	no comment		
Description:	A finding identified by the external 'SpotBugs' plugin: TrustManager that accept any certificates makes communication vulnerable to a MITM attack - In method org.apache.qpid.tools.RestStressTestClient\$1.getAcceptedIssuers()		

Findings List

Finding ID:	23	Problem Type:	FindSecBugs: TrustManager that accept any certificates (SpotBugs Security Issues)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	8.00	Reviewed State:	Not Reviewed
Location:	RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):124		
Tags:	no tags assigned		
Comment:	<i>no comment</i>		
Description:	<p>A finding identified by the external 'SpotBugs' plugin: TrustManager that accept any certificates makes communication vulnerable to a MITM attack</p> <p>- In method org.apache.qpid.tools.RestStressTestClient\$1.checkClientTrusted(X509Certificate[], String)</p>		

Finding ID:	24	Problem Type:	FindSecBugs: TrustManager that accept any certificates (SpotBugs Security Issues)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	8.00	Reviewed State:	Not Reviewed
Location:	RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):128		
Tags:	no tags assigned		
Comment:	<i>no comment</i>		
Description:	<p>A finding identified by the external 'SpotBugs' plugin: TrustManager that accept any certificates makes communication vulnerable to a MITM attack</p> <p>- In method org.apache.qpid.tools.RestStressTestClient\$1.checkServerTrusted(X509Certificate[], String)</p>		

Finding ID:	14	Problem Type:	Privacy Leak: Output of Confidential Data (Taint Paths)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	7.50	Reviewed State:	Not Reviewed
Location:	RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):554 <- RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):154		
Tags:	no tags assigned		
Comment:	<i>no comment</i>		
Description:	<p>An identified taint path for the problem type 'Privacy Leak: Output of Confidential Data'</p> <p>Matching pattern in taint source kind 'Privacy Leak': ** *.get*Pass?ord()</p> <p>Matching pattern in taint sink kind 'Privacy Leak': java.lang.Throwable(java.lang.String)</p>		

Findings List

Finding ID:	15	Problem Type:	Privacy Leak: Output of Confidential Data (Taint Paths)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	6.00	Reviewed State:	Not Reviewed
Location:	RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):173 <- RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):154		
Tags:	no tags assigned		
Comment:	no comment		
Description:	An identified taint path for the problem type 'Privacy Leak: Output of Confidential Data' Matching pattern in taint source kind 'Privacy Leak': ** *.get*Pass?ord() Matching pattern in taint sink kind 'System Output': void java.io.PrintStream.print(**)		

Finding ID:	16	Problem Type:	Privacy Leak: Output of Confidential Data (Taint Paths)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	6.00	Reviewed State:	Not Reviewed
Location:	RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):588 <- RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):154		
Tags:	no tags assigned		
Comment:	no comment		
Description:	An identified taint path for the problem type 'Privacy Leak: Output of Confidential Data' Matching pattern in taint source kind 'Privacy Leak': ** *.get*Pass?ord() Matching pattern in taint sink kind 'System Output': void java.io.OutputStream.write(byte[],int,int)		

Finding ID:	33	Problem Type:	SSL/TLS Validation: Suspicious Implementation (Special Code)
Classification:	Manual Review Required	Date:	2020-06-13 09:30:29 - new
Rating:	4.00	Reviewed State:	Not Reviewed
Location:	RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):122		
Tags:	no tags assigned		
Comment:	no comment		
Description:	An identified location for problem type 'SSL/TLS Validation: Suspicious Implementation'. Matching pattern in special code kind 'SSL/TLS Validation: Suspicious Implementation': void javax.net.ssl.X509TrustManager.checkClientTrusted(java.security.cert.X509Certificate[], java.lang.String)		

Findings List

Finding ID:	34	Problem Type:	SSL/TLS Validation: Suspicious Implementation (Special Code)
Classification:	Manual Review Required	Date:	2020-06-13 09:30:29 - new
Rating:	4.00	Reviewed State:	Not Reviewed
Location:	RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):126		
Tags:	no tags assigned		
Comment:	no comment		
Description:	An identified location for problem type 'SSL/TLS Validation: Suspicious Implementation'. Matching pattern in special code kind 'SSL/TLS Validation: Suspicious Implementation': void javax.net.ssl.X509TrustManager.checkServerTrusted(java.security.cert.X509Certificate[], java.lang.String)		

Finding ID:	8	Problem Type:	Usage: PrintStackTrace (Special Code)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	5.00	Reviewed State:	Not Reviewed
Location:	MemoryConsumptionTestClient.java (<Source Code>/org/apache/qpid/tools):426		
Tags:	no tags assigned		
Comment:	no comment		
Description:	An identified location for problem type 'Usage: PrintStackTrace'. Declared in: java.lang.Exception Matching pattern in special code kind 'Usage: PrintStackTrace': public void java.lang.Throwable.printStackTrace()		

Finding ID:	9	Problem Type:	Usage: PrintStackTrace (Special Code)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	5.00	Reviewed State:	Not Reviewed
Location:	StressTestClient.java (<Source Code>/org/apache/qpid/tools):269		
Tags:	no tags assigned		
Comment:	no comment		
Description:	An identified location for problem type 'Usage: PrintStackTrace'. Declared in: javax.jms.JMSEException Matching pattern in special code kind 'Usage: PrintStackTrace': public void java.lang.Throwable.printStackTrace()		

Finding ID:	6	Problem Type:	Usage: PrintStackTrace (Special Code)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	5.00	Reviewed State:	Not Reviewed
Location:	StressTestClient.java (<Source Code>/org/apache/qpid/tools):473		
Tags:	no tags assigned		
Comment:	no comment		
Description:	An identified location for problem type 'Usage: PrintStackTrace'. Declared in: java.lang.Exception Matching pattern in special code kind 'Usage: PrintStackTrace': public void java.lang.Throwable.printStackTrace()		

Findings List

Finding ID:	7	Problem Type:	Usage: PrintStackTrace (Special Code)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	5.00	Reviewed State:	Not Reviewed
Location:	StressTestClient.java (<Source Code>/org/apache/qpid/tools):549		
Tags:	no tags assigned		
Comment:	no comment		
Description:	An identified location for problem type 'Usage: PrintStackTrace'. Declared in: java.lang.Exception Matching pattern in special code kind 'Usage: PrintStackTrace': public void java.lang.Throwable.printStackTrace()		

Finding ID:	26	Problem Type:	FindSecBugs: Predictable pseudorandom number generator (SpotBugs Security Issues)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	8.00	Reviewed State:	Not Reviewed
Location:	StressTestClient.java (<Source Code>/org/apache/qpid/tools):576		
Tags:	no tags assigned		
Comment:	no comment		
Description:	A finding identified by the external 'SpotBugs' plugin: The use of java.util.Random is predictable - In method org.apache.qpid.tools.StressTestClient.generateMessage(boolean, int) - Value java.util.Random		

Finding ID:	20	Problem Type:	Resource Leak: IO Stream Resource Leak (Resource Leaks)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	5.00	Reviewed State:	Not Reviewed
Location:	RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):326		
Tags:	no tags assigned		
Comment:	no comment		
Description:	An identified Resource Leak: IO Stream Resource Leak Matching pattern in open resource kind 'IO Stream Opened': java.io.OutputStream java.net.URLConnection.getOutputStream()		

Finding ID:	21	Problem Type:	Resource Leak: IO Stream Resource Leak (Resource Leaks)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	5.00	Reviewed State:	Not Reviewed
Location:	RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):326		
Tags:	no tags assigned		
Comment:	no comment		
Description:	An identified Resource Leak: IO Stream Resource Leak Matching pattern in open resource kind 'IO Stream Opened': java.io.OutputStream java.net.URLConnection.getOutputStream()		

Findings List

Finding ID:	17	Problem Type:	Resource Leak: IO Stream Resource Leak (Resource Leaks)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	5.00	Reviewed State:	Not Reviewed
Location:	RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):581		
Tags:	no tags assigned		
Comment:	no comment		
Description:	An identified Resource Leak: IO Stream Resource Leak Matching pattern in open resource kind 'IO Stream Opened': java.io.InputStream java.net.URLConnection.getInputStream()		

Finding ID:	18	Problem Type:	Resource Leak: IO Stream Resource Leak (Resource Leaks)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	5.00	Reviewed State:	Not Reviewed
Location:	RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):581		
Tags:	no tags assigned		
Comment:	no comment		
Description:	An identified Resource Leak: IO Stream Resource Leak Matching pattern in open resource kind 'IO Stream Opened': java.io.InputStream java.net.URLConnection.getInputStream()		

Finding ID:	19	Problem Type:	Resource Leak: IO Stream Resource Leak (Resource Leaks)
Classification:	Warning	Date:	2020-06-13 09:30:29 - new
Rating:	5.00	Reviewed State:	Not Reviewed
Location:	RestStressTestClient.java (<Source Code>/org/apache/qpid/tools):581		
Tags:	no tags assigned		
Comment:	no comment		
Description:	An identified Resource Leak: IO Stream Resource Leak Matching pattern in open resource kind 'IO Stream Opened': java.io.InputStream java.net.URLConnection.getInputStream()		

Finding ID:	1	Problem Type:	Usage: Java Reflection (Special Code)
Classification:	Information	Date:	2020-06-13 09:30:29 - new
Rating:	0.00	Reviewed State:	Not Reviewed
Location:	ArgumentsParser.java (<Source Code>/org/apache/qpid/tools/util):39		
Tags:	no tags assigned		
Comment:	no comment		
Description:	An identified location for problem type 'Usage: Java Reflection'. Declared in: java.lang.Class Matching pattern in special code kind 'Usage: Java Reflection': java.lang.Object java.lang.Class.newInstance()		

Findings List

Finding ID:	4	Problem Type:	Usage: Java Reflection (Special Code)
Classification:	Information	Date:	2020-06-13 09:30:29 - new
Rating:	0.00	Reviewed State:	Not Reviewed
Location:	ArgumentsParser.java (<Source Code>/org/apache/qpid/tools/util):89		
Tags:	no tags assigned		
Comment:	<i>no comment</i>		
Description:	An identified location for problem type 'Usage: Java Reflection'. Declared in: java.lang.reflect.Field Matching pattern in special code kind 'Usage: Java Reflection': void java.lang.reflect.Field.set*(java.lang.Object, **)		

Finding ID:	2	Problem Type:	Usage: Java Reflection (Special Code)
Classification:	Information	Date:	2020-06-13 09:30:29 - new
Rating:	0.00	Reviewed State:	Not Reviewed
Location:	ArgumentsParser.java (<Source Code>/org/apache/qpid/tools/util):141		
Tags:	no tags assigned		
Comment:	<i>no comment</i>		
Description:	An identified location for problem type 'Usage: Java Reflection'. Declared in: java.lang.Class Matching pattern in special code kind 'Usage: Java Reflection': java.lang.Object java.lang.Class.newInstance()		

Finding ID:	3	Problem Type:	Usage: Java Reflection (Special Code)
Classification:	Information	Date:	2020-06-13 09:30:29 - new
Rating:	0.00	Reviewed State:	Not Reviewed
Location:	ArgumentsParser.java (<Source Code>/org/apache/qpid/tools/util):157		
Tags:	no tags assigned		
Comment:	<i>no comment</i>		
Description:	An identified location for problem type 'Usage: Java Reflection'. Declared in: java.lang.reflect.Field Matching pattern in special code kind 'Usage: Java Reflection': ** java.lang.reflect.Field.get*(java.lang.Object)		

Finding ID:	10	Problem Type:	Usage: java.util.Random (Special Code)
Classification:	Manual Review Required	Date:	2020-06-13 09:30:29 - new
Rating:	5.00	Reviewed State:	Not Reviewed
Location:	StressTestClient.java (<Source Code>/org/apache/qpid/tools):576		
Tags:	no tags assigned		
Comment:	<i>no comment</i>		
Description:	An identified location for problem type 'Usage: java.util.Random'. Declared in: java.util.Random Matching pattern in special code kind 'Usage: java.util.Random': java.util.Random(long)		

Findings List