

FindBugs Apache ActiveMQ Broker

Summary				
Classes	Bugs	Errors	Missing Classes	
539	175	0	0	
Files				
org.apache.activemq.advisory.AdvisoryBroker				
Bug	Category	Line	Priority	Details
org.apache.activemq.command.ActiveMQDestination is incompatible with expected argument type org.apache.activemq.command.DestinationInfo in org.apache.activemq.advisory.AdvisoryBroker.removeProducer(ConnectionContext, ProducerInfo)	CORRECTNESS	275	High	GC_UNRELATED_TYPES
Return value of putIfAbsent is ignored, but advisoryMessage is reused in org.apache.activemq.advisory.AdvisoryBroker.networkBridgeStarted(BrokerInfo, boolean, String)	MT_CORRECTNESS	434	Medium	RV_RETURN_VALUE_OF_PUTIF_ABSENT_IGNORED
org.apache.activemq.broker.AbstractLocker				
Bug	Category	Line	Priority	Details
Unread public/protected field: org.apache.activemq.broker.AbstractLocker.name	STYLE	43	Medium	URF_UNREAD_PUBLIC_OR_PROTECTED_FIELD
org.apache.activemq.broker.BrokerService				
Bug	Category	Line	Priority	Details
Found reliance on default encoding in org.apache.activemq.broker.BrokerService.<static initializer>(): new java.io.InputStreamReader(InputStream)	I18N	248	High	DM_DEFAULT_ENCODING
org.apache.activemq.broker.BrokerService.getDestinationInterceptors() may expose internal representation by returning BrokerService.destinationInterceptors	MALICIOUS_CODE	1546	Medium	EI_EXPOSE_REP
org.apache.activemq.broker.BrokerService.getDestinations() may expose internal representation by returning BrokerService.destinations	MALICIOUS_CODE	1571	Medium	EI_EXPOSE_REP
org.apache.activemq.broker.BrokerService.getJmsBridgeConnectors() may expose internal representation by returning BrokerService.jmsBridgeConnectors	MALICIOUS_CODE	1262	Medium	EI_EXPOSE_REP
org.apache.activemq.broker.BrokerService.getNetworkConnectorURIs() may expose internal representation by returning BrokerService.networkConnectorURIs	MALICIOUS_CODE	1216	Medium	EI_EXPOSE_REP
org.apache.activemq.broker.BrokerService.getPlugins() may expose internal representation by returning BrokerService.plugins	MALICIOUS_CODE	1418	Medium	EI_EXPOSE_REP
org.apache.activemq.broker.BrokerService.getTransportConnectorURIs() may expose internal representation by returning BrokerService.transportConnectorURIs	MALICIOUS_CODE	1251	Medium	EI_EXPOSE_REP
org.apache.activemq.broker.BrokerService.setDestinationInterceptors(DestinationInterceptor[]) may expose internal representation by storing an externally mutable object into BrokerService.destinationInterceptors	MALICIOUS_CODE	1567	Medium	EI_EXPOSE_REP2
org.apache.activemq.broker.BrokerService.setDestinations(ActiveMQDestination[]) may expose internal representation by storing an externally mutable object into BrokerService.destinations	MALICIOUS_CODE	1578	Medium	EI_EXPOSE_REP2
org.apache.activemq.broker.BrokerService.setJmsBridgeConnectors(JmsConnector[]) may expose internal representation by storing an externally mutable object into BrokerService.jmsBridgeConnectors	MALICIOUS_CODE	1270	Medium	EI_EXPOSE_REP2
org.apache.activemq.broker.BrokerService.setNetworkConnectorURIs(String[]) may expose internal representation by storing an externally mutable object into BrokerService.networkConnectorURIs	MALICIOUS_CODE	1220	Medium	EI_EXPOSE_REP2
org.apache.activemq.broker.BrokerService.setPlugins(BrokerPlugin[]) may expose internal representation by storing an externally mutable object into BrokerService.plugins	MALICIOUS_CODE	1426	Medium	EI_EXPOSE_REP2
org.apache.activemq.broker.BrokerService.setTransportConnectorURIs(String[]) may expose internal representation by storing an externally mutable object into BrokerService.transportConnectorURIs	MALICIOUS_CODE	1255	Medium	EI_EXPOSE_REP2
Inconsistent synchronization of org.apache.activemq.broker.BrokerService.executor; locked 42% of time	MT_CORRECTNESS	746	Medium	IS2_INCONSISTENT_SYNC
Inconsistent synchronization of org.apache.activemq.broker.BrokerService.jobSchedulerStore; locked 54% of time	MT_CORRECTNESS	719	Medium	IS2_INCONSISTENT_SYNC
Inconsistent synchronization of org.apache.activemq.broker.BrokerService.scheduler; locked 50% of time	MT_CORRECTNESS	698	Medium	IS2_INCONSISTENT_SYNC
Inconsistent synchronization of org.apache.activemq.broker.BrokerService.tempDataStore; locked 54% of time	MT_CORRECTNESS	723	Medium	IS2_INCONSISTENT_SYNC
Possible null pointer dereference of dir in org.apache.activemq.broker.BrokerService.checkSystemUsageLimits()	CORRECTNESS	1857	Medium	NP_NULL_ON_SOME_PATH
Possible null pointer dereference of schedulerDir in org.apache.activemq.broker.BrokerService.checkSystemUsageLimits()	CORRECTNESS	1932	Medium	NP_NULL_ON_SOME_PATH
Possible null pointer dereference of tmpDir in org.apache.activemq.broker.BrokerService.checkSystemUsageLimits()	CORRECTNESS	1892	Medium	NP_NULL_ON_SOME_PATH
org.apache.activemq.broker.BrokerService.<static initializer>() may fail to close stream	BAD_PRACTICE	248	Medium	OS_OPEN_STREAM
Useless control flow to next line in org.apache.activemq.broker.BrokerService.unregisterPersistenceAdapterMBean(PersistenceAdapter)	STYLE	1991	High	UCF_USELESS_CONTROL_FLOW_NEXT_LINE
org.apache.activemq.broker.BrokerService\$3				
Bug	Category	Line	Priority	Details
Unconditional wait in org.apache.activemq.broker.BrokerService\$3.run()	MT_CORRECTNESS	608	Medium	UW_UNCOND_WAIT
Wait not in loop in org.apache.activemq.broker.BrokerService\$3.run()	MT_CORRECTNESS	608	Medium	WA_NOT_IN_LOOP

Summary				
org.apache.activemq.broker.BrokerService\$4				
Bug	Category	Line	Priority	Details
org.apache.activemq.broker.BrokerService\$4.run() invokes System.exit(...), which shuts down the entire virtual machine	BAD_PRACTICE	687	Medium	DM_EXIT
org.apache.activemq.broker.ConnectionContext				
Bug	Category	Line	Priority	Details
Inconsistent synchronization of org.apache.activemq.broker.ConnectionContext.networkConnection; locked 50% of time	MT_CORRECTNESS	98	Medium	IS2_INCONSISTENT_SYNC
org.apache.activemq.broker.PropertiesBrokerFactory				
Bug	Category	Line	Priority	Details
org.apache.activemq.broker.PropertiesBrokerFactory.loadProperties(URI) may fail to clean up java.io.InputStream on checked exception	EXPERIMENTAL	59	Medium	OBL_UNSATISFIED_OBLIGATION_EXCEPTION_EDGE
org.apache.activemq.broker.SingleTransportConnectionStateRegister				
Bug	Category	Line	Priority	Details
Inconsistent synchronization of org.apache.activemq.broker.SingleTransportConnectionStateRegister.connectionState; locked 68% of time	MT_CORRECTNESS	146	Medium	IS2_INCONSISTENT_SYNC
org.apache.activemq.broker.TransactionBroker				
Bug	Category	Line	Priority	Details
Inconsistent synchronization of org.apache.activemq.broker.TransactionBroker.audit; locked 40% of time	MT_CORRECTNESS	314	Medium	IS2_INCONSISTENT_SYNC
org.apache.activemq.broker.TransportConnection				
Bug	Category	Line	Priority	Details
org.apache.activemq.broker.TransportConnection.processControlCommand(ControlCommand) invokes System.exit(...), which shuts down the entire virtual machine	BAD_PRACTICE	1488	Medium	DM_EXIT
Inconsistent synchronization of org.apache.activemq.broker.TransportConnection.duplexNetworkConnectorId; locked 50% of time	MT_CORRECTNESS	1350	Medium	IS2_INCONSISTENT_SYNC
Inconsistent synchronization of org.apache.activemq.broker.TransportConnection.pendingStop; locked 50% of time	MT_CORRECTNESS	328	Medium	IS2_INCONSISTENT_SYNC
Synchronization performed on java.util.concurrent.CopyOnWriteArrayList in org.apache.activemq.broker.TransportConnection.processBrokerInfo(BrokerInfo)	MT_CORRECTNESS	1317	High	JLM_JSR166_UTILCONCURRENT_MONITORENTER
Possible null pointer dereference of cs in org.apache.activemq.broker.TransportConnection.processBeginTransaction(TransactionInfo)	CORRECTNESS	400	Medium	NP_NULL_ON_SOME_PATH
Possible null pointer dereference of cs in org.apache.activemq.broker.TransportConnection.processPrepareTransaction(TransactionInfo)	CORRECTNESS	426	Medium	NP_NULL_ON_SOME_PATH
return value of java.util.concurrent.CountDownLatch.await(long, TimeUnit) ignored in org.apache.activemq.broker.TransportConnection.processBrokerInfo(BrokerInfo)	CORRECTNESS	1324	Medium	RV_RETURN_VALUE_IGNORED
org.apache.activemq.broker.TransportConnection\$4				
Bug	Category	Line	Priority	Details
org.apache.activemq.broker.TransportConnection\$4.run() does not release lock on all exception paths	MT_CORRECTNESS	1074	Medium	UL_UNRELEASED_LOCK_EXCEPTION_PATH
org.apache.activemq.broker.TransportConnector				
Bug	Category	Line	Priority	Details
org.apache.activemq.broker.TransportConnector.getConnectionControl() concatenates strings using + in a loop	PERFORMANCE	389	Medium	SBSC_USE_STRINGBUFFER_CONCATENATION
org.apache.activemq.broker.cluster.ConnectionSplitBroker				
Bug	Category	Line	Priority	Details
Dead store to dest in org.apache.activemq.broker.cluster.ConnectionSplitBroker.addConsumer(ConnectionContext, ConsumerInfo)	STYLE	49	Medium	DLS_DEAD_LOCAL_STORE
org.apache.activemq.broker.jmx.AnnotatedMBean				
Bug	Category	Line	Priority	Details
org.apache.activemq.broker.jmx.AnnotatedMBean.invoke(String, Object[], String[]) concatenates strings using + in a loop	PERFORMANCE	186	Medium	SBSC_USE_STRINGBUFFER_CONCATENATION
org.apache.activemq.broker.jmx.BrokerView				
Bug	Category	Line	Priority	Details
org.apache.activemq.broker.jmx.BrokerView.terminateJVM(int) invokes System.exit(...), which shuts down the entire virtual machine	BAD_PRACTICE	202	Medium	DM_EXIT

Summary				
Redundant nullcheck of connector, which is known to be non-null in org.apache.activemq.broker.jmx.BrokerView.addNetworkConnector(String)	STYLE	276	Medium	RCN_REDUNDANT_NULLCHECK_OF_NONNULL_VALUE
Redundant nullcheck of subscription, which is known to be non-null in org.apache.activemq.broker.jmx.BrokerView.createDurableSubscriber(String, String, String, String)	STYLE	333	Medium	RCN_REDUNDANT_NULLCHECK_OF_NONNULL_VALUE
Redundant nullcheck of file, which is known to be non-null in org.apache.activemq.broker.jmx.BrokerView.getDataDirectory()	STYLE	443	Medium	RCN_REDUNDANT_NULLCHECK_OF_NONNULL_VALUE
org.apache.activemq.broker.jmx.DestinationView				
Bug	Category	Line	Priority	Details
Possible null pointer dereference of connection in org.apache.activemq.broker.jmx.DestinationView.sendMessage(Map, String, String, String) on exception path	CORRECTNESS	330	Medium	NP_NULL_ON_SOME_PATH_EXCEPTION
org.apache.activemq.broker.jmx.HealthView				
Bug	Category	Line	Priority	Details
Possible null pointer dereference of dir in org.apache.activemq.broker.jmx.HealthView.healthList()	CORRECTNESS	93	Medium	NP_NULL_ON_SOME_PATH
Possible null pointer dereference of dir in org.apache.activemq.broker.jmx.HealthView.healthList()	CORRECTNESS	155	Medium	NP_NULL_ON_SOME_PATH
org.apache.activemq.broker.jmx.ManagedRegionBroker				
Bug	Category	Line	Priority	Details
Null passed for nonnull parameter of org.apache.activemq.broker.region.RegionBroker.send(ProducerBrokerExchange, Message) in org.apache.activemq.broker.jmx.ManagedRegionBroker.send(ProducerBrokerExchange, Message)	CORRECTNESS	282	Medium	NP_NULL_PARAM_DEREF
org.apache.activemq.broker.jmx.ManagementContext				
Bug	Category	Line	Priority	Details
Redundant nullcheck of method, which is known to be non-null in org.apache.activemq.broker.jmx.ManagementContext.findTigerMBeanServer()	STYLE	447	Medium	RCN_REDUNDANT_NULLCHECK_OF_NONNULL_VALUE
org.apache.activemq.broker.jmx.OpenTypeSupport\$ByteMessageOpenTypeFactory				
Bug	Category	Line	Priority	Details
org.apache.activemq.broker.jmx.OpenTypeSupport\$ByteMessageOpenTypeFactory.getFields(Object) invokes inefficient new Byte(byte) constructor; use Byte.valueOf(byte) instead	PERFORMANCE	295	Medium	DM_NUMBER_CTOR
org.apache.activemq.broker.region.CompositeDestinationInterceptor				
Bug	Category	Line	Priority	Details
new org.apache.activemq.broker.region.CompositeDestinationInterceptor(DestinationInterceptor[]) may expose internal representation by storing an externally mutable object into CompositeDestinationInterceptor.interceptors	MALICIOUS_CODE	33	Medium	EI_EXPOSE_REP2
org.apache.activemq.broker.region.PrefetchSubscription\$2				
Bug	Category	Line	Priority	Details
Empty synchronized block in org.apache.activemq.broker.region.PrefetchSubscription\$2.afterRollback()	MT_CORRECTNESS	447	Medium	ESync_EMPTY_SYNC
org.apache.activemq.broker.region.Queue				
Bug	Category	Line	Priority	Details
QueueBrowserSubscription is incompatible with expected argument type Queue\$BrowserDispatch in org.apache.activemq.broker.region.Queue.removeSubscription(ConnectionContext, Subscription, long)	CORRECTNESS	573	High	GC_UNRELATED_TYPES
org.apache.activemq.broker.region.Queue\$BrowserDispatch				
Bug	Category	Line	Priority	Details
Should org.apache.activemq.broker.region.Queue\$BrowserDispatch be a _static_ inner class?	PERFORMANCE	398	Medium	SIC_INNER_SHOULD_BE_STATIC
org.apache.activemq.broker.region.Queue\$QueueThread				
Bug	Category	Line	Priority	Details
Should org.apache.activemq.broker.region.Queue\$QueueThread be a _static_ inner class?	PERFORMANCE	250	Medium	SIC_INNER_SHOULD_BE_STATIC
org.apache.activemq.broker.region.Queue\$TimeoutMessage				
Bug	Category	Line	Priority	Details
org.apache.activemq.broker.region.Queue\$TimeoutMessage defines compareTo(Object) and uses Object.equals()	BAD_PRACTICE	144	Medium	EQ_COMPARETO_USE_OBJECT_EQUALS
Should org.apache.activemq.broker.region.Queue\$TimeoutMessage be a _static_ inner class?	PERFORMANCE	144	Medium	SIC_INNER_SHOULD_BE_STATIC
org.apache.activemq.broker.region.RegionBroker				
Bug	Category	Line	Priority	Details

Summary

org.apache.activemq.broker.region.RegionBroker.stampAsExpired(Message) invokes inefficient new Long(long) constructor; use Long.valueOf(long) instead	PERFORMANCE	647	Medium	DM_NUMBER_CTOR
org.apache.activemq.broker.region.Topic				
Bug	Category	Line	Priority	Details
Synchronization performed on java.util.concurrent.CopyOnWriteArrayList in org.apache.activemq.broker.region.Topic.activate(ConnectionContext, DurableTopicSubscription)	MT_CORRECTNESS	230	High	JLM_JSR166_UTILCONCURREN T_MONITORENTER
Synchronization performed on java.util.concurrent.CopyOnWriteArrayList in org.apache.activemq.broker.region.Topic.activate(ConnectionContext, DurableTopicSubscription)	MT_CORRECTNESS	234	High	JLM_JSR166_UTILCONCURREN T_MONITORENTER
Synchronization performed on java.util.concurrent.CopyOnWriteArrayList in org.apache.activemq.broker.region.Topic.activate(ConnectionContext, DurableTopicSubscription)	MT_CORRECTNESS	252	High	JLM_JSR166_UTILCONCURREN T_MONITORENTER
Synchronization performed on java.util.concurrent.CopyOnWriteArrayList in org.apache.activemq.broker.region.Topic.addSubscription(ConnectionContext, Subscription)	MT_CORRECTNESS	130	High	JLM_JSR166_UTILCONCURREN T_MONITORENTER
Synchronization performed on java.util.concurrent.CopyOnWriteArrayList in org.apache.activemq.broker.region.Topic.addSubscription(ConnectionContext, Subscription)	MT_CORRECTNESS	146	High	JLM_JSR166_UTILCONCURREN T_MONITORENTER
Synchronization performed on java.util.concurrent.CopyOnWriteArrayList in org.apache.activemq.broker.region.Topic.addSubscription(ConnectionContext, Subscription)	MT_CORRECTNESS	159	High	JLM_JSR166_UTILCONCURREN T_MONITORENTER
Synchronization performed on java.util.concurrent.CopyOnWriteArrayList in org.apache.activemq.broker.region.Topic.deactivate(ConnectionContext, DurableTopicSubscription)	MT_CORRECTNESS	294	High	JLM_JSR166_UTILCONCURREN T_MONITORENTER
Synchronization performed on java.util.concurrent.CopyOnWriteArrayList in org.apache.activemq.broker.region.Topic.dispatch(ConnectionContext, Message)	MT_CORRECTNESS	679	High	JLM_JSR166_UTILCONCURREN T_MONITORENTER
Synchronization performed on java.util.concurrent.CopyOnWriteArrayList in org.apache.activemq.broker.region.Topic.getConsumers()	MT_CORRECTNESS	110	High	JLM_JSR166_UTILCONCURREN T_MONITORENTER
Synchronization performed on java.util.concurrent.CopyOnWriteArrayList in org.apache.activemq.broker.region.Topic.removeSubscription(ConnectionContext, Subscription, long)	MT_CORRECTNESS	188	High	JLM_JSR166_UTILCONCURREN T_MONITORENTER
org.apache.activemq.broker.region.TopicRegion				
Bug	Category	Line	Priority	Details
Sequence of calls to java.util.concurrent.ConcurrentHashMap may not be atomic in org.apache.activemq.broker.region.TopicRegion.createSubscription(ConnectionContext, ConsumerInfo)	MT_CORRECTNESS	319	Medium	AT_OPERATION_SEQUENCE_O N_CONCURRENT_ABSTRACTIO N
org.apache.activemq.broker.region.TopicSubscription				
Bug	Category	Line	Priority	Details
Inconsistent synchronization of org.apache.activemq.broker.region.TopicSubscription.audit; locked 66% of time	MT_CORRECTNESS	204	Medium	IS2_INCONSISTENT_SYNC
Inconsistent synchronization of org.apache.activemq.broker.region.TopicSubscription.destination; locked 50% of time	MT_CORRECTNESS	621	Medium	IS2_INCONSISTENT_SYNC
Non-virtual method call in org.apache.activemq.broker.region.TopicSubscription.pullMessage(ConnectionContext, MessagePull) passes null for nonnull parameter of dispatch(MessageReference)	CORRECTNESS	322	High	NP_NULL_PARAM_DEREF_NON VIRTUAL
Non-virtual method call in org.apache.activemq.broker.region.TopicSubscription.pullTimeout() passes null for nonnull parameter of dispatch(MessageReference)	CORRECTNESS	347	Medium	NP_NULL_PARAM_DEREF_NON VIRTUAL
Nullcheck of node at line 563 of value previously dereferenced in org.apache.activemq.broker.region.TopicSubscription.dispatch(MessageReference)	CORRECTNESS	562	Medium	RCN_REDUNDANT_NULLCHEC K_WOULD_HAVE_BEEN_A_NPE
org.apache.activemq.broker.region.TopicSubscription.getMaxAuditDepth() is unsynchronized, org.apache.activemq.broker.region.TopicSubscription.setMaxAuditDepth(int) is synchronized	MT_CORRECTNESS	436	Medium	UG_SYNC_SET_UNSYNC_GET
org.apache.activemq.broker.region.TopicSubscription.getMaxProducersToAudit() is unsynchronized, org.apache.activemq.broker.region.TopicSubscription.setMaxProducersToAudit(int) is synchronized	MT_CORRECTNESS	425	Medium	UG_SYNC_SET_UNSYNC_GET
org.apache.activemq.broker.region.cursors.AbstractPendingMessageCursor				
Bug	Category	Line	Priority	Details
Inconsistent synchronization of org.apache.activemq.broker.region.cursors.AbstractPendingMessageCursor.audit; locked 85% of time	MT_CORRECTNESS	269	Medium	IS2_INCONSISTENT_SYNC
Inconsistent synchronization of org.apache.activemq.broker.region.cursors.AbstractPendingMessageCursor.maxAuditDepth; locked 60% of time	MT_CORRECTNESS	227	Medium	IS2_INCONSISTENT_SYNC
org.apache.activemq.broker.region.cursors.AbstractPendingMessageCursor.getMaxAuditDepth() is unsynchronized, org.apache.activemq.broker.region.cursors.AbstractPendingMessageCursor.setMaxAuditDepth(int) is synchronized	MT_CORRECTNESS	227	Medium	UG_SYNC_SET_UNSYNC_GET
org.apache.activemq.broker.region.cursors.AbstractPendingMessageCursor.getMaxProducersToAudit() is unsynchronized, org.apache.activemq.broker.region.cursors.AbstractPendingMessageCursor.setMaxProducersToAudit(int) is synchronized	MT_CORRECTNESS	210	Medium	UG_SYNC_SET_UNSYNC_GET
org.apache.activemq.broker.region.cursors.PrioritizedPendingList				
Bug	Category	Line	Priority	Details
org.apache.activemq.broker.region.MessageReference is incompatible with expected argument type PendingNode in org.apache.activemq.broker.region.cursors.PrioritizedPendingList.contains(MessageReference)	CORRECTNESS	136	Medium	GC_UNRELATED_TYPES
org.apache.activemq.broker.region.cursors.QueueStorePrefetch				
Bug	Category	Line	Priority	Details
org.apache.activemq.broker.region.cursors.StoreQueueCursor				

Summary

Bug	Category	Line	Priority	Details
Inconsistent synchronization of org.apache.activemq.broker.region.cursors.StoreQueueCursor.nonPersistent; locked 47% of time	MT_CORRECTNESS	162	Medium	IS2_INCONSISTENT_SYNC
Possible null pointer dereference of StoreQueueCursor.nonPersistent in org.apache.activemq.broker.region.cursors.StoreQueueCursor.gc()	CORRECTNESS	274	Medium	NP_NULL_ON_SOME_PATH
Possible null pointer dereference of StoreQueueCursor.persistent in org.apache.activemq.broker.region.cursors.StoreQueueCursor.gc()	CORRECTNESS	274	Medium	NP_NULL_ON_SOME_PATH
Null passed for nonnull parameter of new QueueStorePrefetch(Queue) in new org.apache.activemq.broker.region.cursors.StoreQueueCursor(Broker, Queue)	CORRECTNESS	50	High	NP_NULL_PARAM_DEREF
org.apache.activemq.broker.region.virtual.VirtualDestinationInterceptor				
Bug	Category	Line	Priority	Details
org.apache.activemq.broker.region.virtual.VirtualDestinationInterceptor.getVirtualDestinations() may expose internal representation by returning VirtualDestinationInterceptor.virtualDestinations	MALICIOUS_CODE	76	Medium	EI_EXPOSE_REP
org.apache.activemq.broker.region.virtual.VirtualDestinationInterceptor.setVirtualDestinations(VirtualDestination[]) may expose internal representation by storing an externally mutable object into VirtualDestinationInterceptor.virtualDestinations	MALICIOUS_CODE	81	Medium	EI_EXPOSE_REP2
org.apache.activemq.broker.scheduler.SchedulerBroker				
Bug	Category	Line	Priority	Details
Inconsistent synchronization of org.apache.activemq.broker.scheduler.SchedulerBroker.scheduler; locked 50% of time	MT_CORRECTNESS	88	Medium	IS2_INCONSISTENT_SYNC
org.apache.activemq.broker.util.TimeStampingBrokerPlugin				
Bug	Category	Line	Priority	Details
Nullcheck of message at line 141 of value previously dereferenced in org.apache.activemq.broker.util.TimeStampingBrokerPlugin.isDestinationDLQ(Message)	CORRECTNESS	140	Medium	RCN_REDUNDANT_NULLCHECK_WOULD_HAVE_BEEN_A_NPE
org.apache.activemq.broker.view.ConnectionDotFileInterceptor				
Bug	Category	Line	Priority	Details
Unread field: org.apache.activemq.broker.view.ConnectionDotFileInterceptor.domain	PERFORMANCE	50	Medium	URF_UNREAD_FIELD
org.apache.activemq.broker.view.DotFileInterceptorSupport				
Bug	Category	Line	Priority	Details
Found reliance on default encoding in org.apache.activemq.broker.view.DotFileInterceptorSupport.generateFile(): new java.io.FileWriter(String)	I18N	46	High	DM_DEFAULT_ENCODING
org.apache.activemq.network.DemandForwardingBridgeSupport				
Bug	Category	Line	Priority	Details
org.apache.activemq.network.DemandForwardingBridgeSupport.getDurableDestinations() may expose internal representation by returning DemandForwardingBridgeSupport.durableDestinations	MALICIOUS_CODE	1493	Medium	EI_EXPOSE_REP
org.apache.activemq.network.DemandForwardingBridgeSupport.getDynamicallyIncludedDestinations() may expose internal representation by returning DemandForwardingBridgeSupport.dynamicallyIncludedDestinations	MALICIOUS_CODE	1448	Medium	EI_EXPOSE_REP
org.apache.activemq.network.DemandForwardingBridgeSupport.getExcludedDestinations() may expose internal representation by returning DemandForwardingBridgeSupport.excludedDestinations	MALICIOUS_CODE	1463	Medium	EI_EXPOSE_REP
org.apache.activemq.network.DemandForwardingBridgeSupport.getStaticallyIncludedDestinations() may expose internal representation by returning DemandForwardingBridgeSupport.staticallyIncludedDestinations	MALICIOUS_CODE	1478	Medium	EI_EXPOSE_REP
org.apache.activemq.network.DemandForwardingBridgeSupport.setDurableDestinations(ActiveMQDestination[]) may expose internal representation by storing an externally mutable object into DemandForwardingBridgeSupport.durableDestinations	MALICIOUS_CODE	1501	Medium	EI_EXPOSE_REP2
org.apache.activemq.network.DemandForwardingBridgeSupport.setDynamicallyIncludedDestinations(ActiveMQDestination[]) may expose internal representation by storing an externally mutable object into DemandForwardingBridgeSupport.dynamicallyIncludedDestinations	MALICIOUS_CODE	1456	Medium	EI_EXPOSE_REP2
org.apache.activemq.network.DemandForwardingBridgeSupport.setExcludedDestinations(ActiveMQDestination[]) may expose internal representation by storing an externally mutable object into DemandForwardingBridgeSupport.excludedDestinations	MALICIOUS_CODE	1471	Medium	EI_EXPOSE_REP2
org.apache.activemq.network.DemandForwardingBridgeSupport.setStaticallyIncludedDestinations(ActiveMQDestination[]) may expose internal representation by storing an externally mutable object into DemandForwardingBridgeSupport.staticallyIncludedDestinations	MALICIOUS_CODE	1486	Medium	EI_EXPOSE_REP2
Inconsistent synchronization of org.apache.activemq.network.DemandForwardingBridgeSupport.demandConsumerInfo; locked 71% of time	MT_CORRECTNESS	711	Medium	IS2_INCONSISTENT_SYNC
Inconsistent synchronization of org.apache.activemq.network.DemandForwardingBridgeSupport.duplexInboundLocalProducerInfo; locked 66% of time	MT_CORRECTNESS	620	Medium	IS2_INCONSISTENT_SYNC
Inconsistent synchronization of org.apache.activemq.network.DemandForwardingBridgeSupport.localConnectionInfo; locked 80% of time	MT_CORRECTNESS	1312	Medium	IS2_INCONSISTENT_SYNC
Inconsistent synchronization of org.apache.activemq.network.DemandForwardingBridgeSupport.producerInfo; locked 75% of time	MT_CORRECTNESS	934	Medium	IS2_INCONSISTENT_SYNC
Switch statement found in org.apache.activemq.network.DemandForwardingBridgeSupport.getRegionSubscriptions(ActiveMQDestination) where default case is missing	STYLE	1276	Medium	SF_SWITCH_NO_DEFAULT

Summary

Uninitialized read of localBrokerInfo in new org.apache.activemq.network.DemandForwardingBridgeSupport(NetworkBridgeConfiguration, Transport, Transport)	CORRECTNESS	146	Medium	UR_UNINIT_READ
Uninitialized read of remoteBrokerInfo in new org.apache.activemq.network.DemandForwardingBridgeSupport(NetworkBridgeConfiguration, Transport, Transport)	CORRECTNESS	145	Medium	UR_UNINIT_READ
org.apache.activemq.network.DemandSubscription				
Bug	Category	Line	Priority	Details
Synchronization performed on java.util.concurrent.atomic.AtomicBoolean in org.apache.activemq.network.DemandSubscription.decrementOutstandingResponses()	MT_CORRECTNESS	118	Medium	JLM_JSR166_UTILCONCURREN T_MONITORENTER
Synchronization performed on java.util.concurrent.atomic.AtomicBoolean in org.apache.activemq.network.DemandSubscription.waitForCompletion()	MT_CORRECTNESS	102	Medium	JLM_JSR166_UTILCONCURREN T_MONITORENTER
Unconditional wait in org.apache.activemq.network.DemandSubscription.waitForCompletion()	MT_CORRECTNESS	104	Medium	UW_UNCOND_WAIT
Wait not in loop in org.apache.activemq.network.DemandSubscription.waitForCompletion()	MT_CORRECTNESS	104	Medium	WA_NOT_IN_LOOP
org.apache.activemq.network.DiscoveryNetworkConnector				
Bug	Category	Line	Priority	Details
Synchronization performed on java.util.concurrent.ConcurrentHashMap in org.apache.activemq.network.DiscoveryNetworkConnector.onServiceAdd(DiscoveryEvent)	MT_CORRECTNESS	155	Medium	JLM_JSR166_UTILCONCURREN T_MONITORENTER
Synchronization performed on java.util.concurrent.ConcurrentHashMap in org.apache.activemq.network.DiscoveryNetworkConnector.onServiceRemove(DiscoveryEvent)	MT_CORRECTNESS	192	Medium	JLM_JSR166_UTILCONCURREN T_MONITORENTER
org.apache.activemq.network.ForwardingBridge				
Bug	Category	Line	Priority	Details
Inconsistent synchronization of org.apache.activemq.network.ForwardingBridge.localBrokerInfo; locked 40% of time	MT_CORRECTNESS	377	Medium	IS2_INCONSISTENT_SYNC
Inconsistent synchronization of org.apache.activemq.network.ForwardingBridge.remoteBrokerInfo; locked 40% of time	MT_CORRECTNESS	381	Medium	IS2_INCONSISTENT_SYNC
org.apache.activemq.network.jms.QueueBridge				
Bug	Category	Line	Priority	Details
Inconsistent synchronization of org.apache.activemq.network.jms.QueueBridge.producerConnection; locked 50% of time	MT_CORRECTNESS	129	Medium	IS2_INCONSISTENT_SYNC
Inconsistent synchronization of org.apache.activemq.network.jms.QueueBridge.producerSession; locked 40% of time	MT_CORRECTNESS	49	Medium	IS2_INCONSISTENT_SYNC
org.apache.activemq.network.jms.SimpleJmsQueueConnector				
Bug	Category	Line	Priority	Details
org.apache.activemq.network.jms.SimpleJmsQueueConnector.getInboundQueueBridges() may expose internal representation by returning SimpleJmsQueueConnector.inboundQueueBridges	MALICIOUS_CODE	48	Medium	EI_EXPOSE_REP
org.apache.activemq.network.jms.SimpleJmsQueueConnector.getOutboundQueueBridges() may expose internal representation by returning SimpleJmsQueueConnector.outboundQueueBridges	MALICIOUS_CODE	62	Medium	EI_EXPOSE_REP
org.apache.activemq.network.jms.SimpleJmsQueueConnector.setInboundQueueBridges(InboundQueueB ridge[]) may expose internal representation by storing an externally mutable object into SimpleJmsQueueConnector.inboundQueueBridges	MALICIOUS_CODE	55	Medium	EI_EXPOSE_REP2
org.apache.activemq.network.jms.SimpleJmsQueueConnector.setOutboundQueueBridges(OutboundQueu eBridge[]) may expose internal representation by storing an externally mutable object into SimpleJmsQueueConnector.outboundQueueBridges	MALICIOUS_CODE	69	Medium	EI_EXPOSE_REP2
org.apache.activemq.network.jms.SimpleJmsTopicConnector				
Bug	Category	Line	Priority	Details
org.apache.activemq.network.jms.SimpleJmsTopicConnector.getInboundTopicBridges() may expose internal representation by returning SimpleJmsTopicConnector.inboundTopicBridges	MALICIOUS_CODE	49	Medium	EI_EXPOSE_REP
org.apache.activemq.network.jms.SimpleJmsTopicConnector.getOutboundTopicBridges() may expose internal representation by returning SimpleJmsTopicConnector.outboundTopicBridges	MALICIOUS_CODE	63	Medium	EI_EXPOSE_REP
org.apache.activemq.network.jms.SimpleJmsTopicConnector.setInboundTopicBridges(InboundTopicBridge []) may expose internal representation by storing an externally mutable object into SimpleJmsTopicConnector.inboundTopicBridges	MALICIOUS_CODE	56	Medium	EI_EXPOSE_REP2
org.apache.activemq.network.jms.SimpleJmsTopicConnector.setOutboundTopicBridges(OutboundTopicBri dge[]) may expose internal representation by storing an externally mutable object into SimpleJmsTopicConnector.outboundTopicBridges	MALICIOUS_CODE	70	Medium	EI_EXPOSE_REP2
org.apache.activemq.network.jms.TopicBridge				
Bug	Category	Line	Priority	Details
Inconsistent synchronization of org.apache.activemq.network.jms.TopicBridge.producerConnection; locked 50% of time	MT_CORRECTNESS	153	Medium	IS2_INCONSISTENT_SYNC
Inconsistent synchronization of org.apache.activemq.network.jms.TopicBridge.producerSession; locked 40% of time	MT_CORRECTNESS	51	Medium	IS2_INCONSISTENT_SYNC
org.apache.activemq.plugin.DiscardingDLQBroker				
Bug	Category	Line	Priority	Details
org.apache.activemq.plugin.DiscardingDLQBroker.getDestFilter() may expose internal representation by returning DiscardingDLQBroker.destFilter	MALICIOUS_CODE	136	Medium	EI_EXPOSE_REP

Summary

org.apache.activemq.plugin.DiscardingDLQBroker.setDestFilter(Pattern[]) may expose internal representation by storing an externally mutable object into DiscardingDLQBroker.destFilter	MALICIOUS_CODE	116	Medium	EI_EXPOSE_REP2
org.apache.activemq.plugin.DiscardingDLQBroker.log isn't final but should be	MALICIOUS_CODE	35	High	MS_SHOULD_BE_FINAL
Possible null pointer dereference of msgRef in org.apache.activemq.plugin.DiscardingDLQBroker.sendToDeadLetterQueue(ConnectionContext, MessageReference, Subscription)	CORRECTNESS	57	High	NP_NULL_ON_SOME_PATH
Nullcheck of dest at line 59 of value previously dereferenced in org.apache.activemq.plugin.DiscardingDLQBroker.sendToDeadLetterQueue(ConnectionContext, MessageReference, Subscription)	CORRECTNESS	59	Medium	RCN_REDUNDANT_NULLCHECK_WOULD_HAVE_BEEN_A_NPE
org.apache.activemq.plugin.DiscardingDLQBrokerPlugin				
Bug	Category	Line	Priority	Details
org.apache.activemq.plugin.DiscardingDLQBrokerPlugin.log isn't final but should be	MALICIOUS_CODE	37	High	MS_SHOULD_BE_FINAL
org.apache.activemq.plugin.StatisticsBroker				
Bug	Category	Line	Priority	Details
Redundant nullcheck of file, which is known to be non-null in org.apache.activemq.plugin.StatisticsBroker.send(ProducerBrokerExchange, Message)	STYLE	184	Medium	RCN_REDUNDANT_NULLCHECK_OF_NONNULL_VALUE
org.apache.activemq.security.JaasCertificateSecurityContext				
Bug	Category	Line	Priority	Details
new org.apache.activemq.security.JaasCertificateSecurityContext(String, Subject, X509Certificate[]) may expose internal representation by storing an externally mutable object into JaasCertificateSecurityContext.certs	MALICIOUS_CODE	39	Medium	EI_EXPOSE_REP2
org.apache.activemq.security.LDAPAuthorizationMap				
Bug	Category	Line	Priority	Details
Null passed for nonnull parameter of java.util.Hashtable.put(Object, Object) in org.apache.activemq.security.LDAPAuthorizationMap.open()	CORRECTNESS	476	Medium	NP_NULL_PARAM_DEREF
Null passed for nonnull parameter of java.util.Hashtable.put(Object, Object) in org.apache.activemq.security.LDAPAuthorizationMap.open()	CORRECTNESS	473	Medium	NP_NULL_PARAM_DEREF
org.apache.activemq.security.SimpleCachedLDAPAuthorizationMap				
Bug	Category	Line	Priority	Details
Null passed for nonnull parameter of java.util.Hashtable.put(Object, Object) in org.apache.activemq.security.SimpleCachedLDAPAuthorizationMap.createContext()	CORRECTNESS	93	Medium	NP_NULL_PARAM_DEREF
Null passed for nonnull parameter of java.util.Hashtable.put(Object, Object) in org.apache.activemq.security.SimpleCachedLDAPAuthorizationMap.createContext()	CORRECTNESS	90	Medium	NP_NULL_PARAM_DEREF
org.apache.activemq.store.ProxyMessageStore				
Bug	Category	Line	Priority	Details
There is an apparent infinite recursive loop in org.apache.activemq.store.ProxyMessageStore.asyncAddTopicMessage(ConnectionContext, Message, boolean)	CORRECTNESS	141	High	IL_INFINITE_RECURSIVE_LOOP
org.apache.activemq.store.memory.MemoryMessageStore				
Bug	Category	Line	Priority	Details
Impossible cast from org.apache.activemq.command.Message to org.apache.activemq.command.MessageId in org.apache.activemq.store.memory.MemoryMessageStore.recover(MessageRecoveryListener)	CORRECTNESS	100	High	BC_IMPOSSIBLE_CAST
org.apache.activemq.store.memory.MemoryPersistenceAdapter				
Bug	Category	Line	Priority	Details
Sequence of calls to java.util.concurrent.ConcurrentHashMap may not be atomic in org.apache.activemq.store.memory.MemoryPersistenceAdapter.createQueueMessageStore(ActiveMQQueue)	MT_CORRECTNESS	74	Medium	AT_OPERATION_SEQUENCE_ON_CONCURRENT_ABSTRACTION
Sequence of calls to java.util.concurrent.ConcurrentHashMap may not be atomic in org.apache.activemq.store.memory.MemoryPersistenceAdapter.createTopicMessageStore(ActiveMQTopic)	MT_CORRECTNESS	86	Medium	AT_OPERATION_SEQUENCE_ON_CONCURRENT_ABSTRACTION
org.apache.activemq.store.memory.MemoryTransactionStore				
Bug	Category	Line	Priority	Details
Sequence of calls to java.util.concurrent.ConcurrentHashMap may not be atomic in org.apache.activemq.store.memory.MemoryTransactionStore.getPreparedTx(TransactionId)	MT_CORRECTNESS	242	Medium	AT_OPERATION_SEQUENCE_ON_CONCURRENT_ABSTRACTION
Sequence of calls to java.util.concurrent.ConcurrentHashMap may not be atomic in org.apache.activemq.store.memory.MemoryTransactionStore.getTx(Object)	MT_CORRECTNESS	233	Medium	AT_OPERATION_SEQUENCE_ON_CONCURRENT_ABSTRACTION
org.apache.activemq.transport.TransportLogger				
Bug	Category	Line	Priority	Details

Summary

org.apache.activemq.transport.TransportLogger.finalize() is public; should be protected	MALICIOUS_CODE	155	Medium	FI_PUBLIC_SHOULD_BE_PROTECTED
org.apache.activemq.transport.TransportLoggerFactory				
Bug	Category	Line	Priority	Details
Inconsistent synchronization of org.apache.activemq.transport.TransportLoggerFactory.transportLoggerControlCreated; locked 66% of time	MT_CORRECTNESS	90	Medium	IS2_INCONSISTENT_SYNC
org.apache.activemq.transport.TransportLoggerFactory.defaultLogWriterName isn't final but should be	MALICIOUS_CODE	50	High	MS_SHOULD_BE_FINAL
org.apache.activemq.transport.TransportLoggerView				
Bug	Category	Line	Priority	Details
Possible null pointer dereference in org.apache.activemq.transport.TransportLoggerView.isLogging() due to return value of called method	STYLE	109	Medium	NP_NULL_ON_SOME_PATH_FROM_RETURN_VALUE
Possible null pointer dereference in org.apache.activemq.transport.TransportLoggerView.setLogging(boolean) due to return value of called method	STYLE	114	Medium	NP_NULL_ON_SOME_PATH_FROM_RETURN_VALUE
org.apache.activemq.transport.vm.VMTransport				
Bug	Category	Line	Priority	Details
Possible doublecheck on org.apache.activemq.transport.vm.VMTransport.messageQueue in org.apache.activemq.transport.vm.VMTransport.getMessageQueue()	MT_CORRECTNESS	266	Medium	DC_DOUBLECHECK
Possible doublecheck on org.apache.activemq.transport.vm.VMTransport.taskRunner in org.apache.activemq.transport.vm.VMTransport.getTaskRunner()	MT_CORRECTNESS	283	Medium	DC_DOUBLECHECK
Inconsistent synchronization of org.apache.activemq.transport.vm.VMTransport.taskRunnerFactory; locked 50% of time	MT_CORRECTNESS	204	Medium	IS2_INCONSISTENT_SYNC
Synchronization performed on java.util.concurrent.atomic.AtomicBoolean in org.apache.activemq.transport.vm.VMTransport.dispatch(VMTransport, BlockingQueue, Object)	MT_CORRECTNESS	112	Medium	JLM_JSR166_UTILCONCURRENT_MONITORENTER
Synchronization performed on java.util.concurrent.atomic.AtomicBoolean in org.apache.activemq.transport.vm.VMTransport.start()	MT_CORRECTNESS	153	Medium	JLM_JSR166_UTILCONCURRENT_MONITORENTER
Increment of volatile field org.apache.activemq.transport.vm.VMTransport.receiveCounter in org.apache.activemq.transport.vm.VMTransport.doDispatch(VMTransport, TransportListener, Object)	MT_CORRECTNESS	137	Medium	VO_VOLATILE_INCREMENT
Increment of volatile field org.apache.activemq.transport.vm.VMTransport.receiveCounter in org.apache.activemq.transport.vm.VMTransport.start()	MT_CORRECTNESS	158	Medium	VO_VOLATILE_INCREMENT
org.apache.activemq.transport.vm.VMTransportFactory				
Bug	Category	Line	Priority	Details
Sequence of calls to java.util.concurrent.ConcurrentHashMap may not be atomic in org.apache.activemq.transport.vm.VMTransportFactory.doCompositeConnect(URI)	MT_CORRECTNESS	129	Medium	AT_OPERATION_SEQUENCE_ON_CONCURRENT_ABSTRACTION
Sequence of calls to java.util.concurrent.ConcurrentHashMap may not be atomic in org.apache.activemq.transport.vm.VMTransportFactory.doCompositeConnect(URI)	MT_CORRECTNESS	141	Medium	AT_OPERATION_SEQUENCE_ON_CONCURRENT_ABSTRACTION
Redundant nullcheck of connector, which is known to be non-null in org.apache.activemq.transport.vm.VMTransportFactory.validateBroker(String)	STYLE	260	Medium	RCN_REDUNDANT_NULLCHECK_OF_NONNULL_VALUE
org.apache.activemq.util.IOHelper				
Bug	Category	Line	Priority	Details
org.apache.activemq.util.IOHelper.copySingleFile(File, File) may fail to clean up java.io.InputStream on checked exception	EXPERIMENTAL	257	Medium	OBL_UNSATISFIED_OBLIGATION_EXCEPTION_EDGE
org.apache.activemq.util.LockFile				
Bug	Category	Line	Priority	Details
Inconsistent synchronization of org.apache.activemq.util.LockFile.lock; locked 55% of time	MT_CORRECTNESS	111	Medium	IS2_INCONSISTENT_SYNC
Inconsistent synchronization of org.apache.activemq.util.LockFile.lockCounter; locked 50% of time	MT_CORRECTNESS	105	Medium	IS2_INCONSISTENT_SYNC
Inconsistent synchronization of org.apache.activemq.util.LockFile.readFile; locked 42% of time	MT_CORRECTNESS	132	Medium	IS2_INCONSISTENT_SYNC
exceptional return value of java.io.File.delete() ignored in org.apache.activemq.util.LockFile.unlock()	BAD_PRACTICE	122	Medium	RV_RETURN_VALUE_IGNORED_BAD_PRACTICE
org.apache.activemq.util.LogWriterFinder				
Bug	Category	Line	Priority	Details
Sequence of calls to java.util.concurrent.ConcurrentHashMap may not be atomic in org.apache.activemq.util.LogWriterFinder.newInstance(String)	MT_CORRECTNESS	74	Medium	AT_OPERATION_SEQUENCE_ON_CONCURRENT_ABSTRACTION
org.apache.activemq.util.LogWriterFinder.doFindLogWriterProperties(String) might ignore java.lang.Exception	BAD_PRACTICE	135	High	DE_MIGHT_IGNORE
org.apache.activemq.util.SubscriptionKey				
Bug	Category	Line	Priority	Details
org.apache.activemq.util.SubscriptionKey.equals(Object) does not check for null argument	BAD_PRACTICE	43	Medium	NP_EQUALS_SHOULD_HANDLE_NULL_ARGUMENT

Summary				
org.apache.activemq.util.osgi.Activator				
Bug	Category	Line	Priority	Details
Sequence of calls to java.util.concurrent.ConcurrentHashMap may not be atomic in org.apache.activemq.util.osgi.Activator.create(String)	MT_CORRECTNESS	164	Medium	AT_OPERATION_SEQUENCE_ON_CONCURRENT_ABSTRACTION
org.apache.activemq.util.osgi.Activator.loadProperties(URL) might ignore java.lang.Exception	BAD_PRACTICE	200	Medium	DE_MIGHT_IGNORE
Dead store to br in org.apache.activemq.util.osgi.Activator.loadProperties(URL)	STYLE	193	High	DLS_DEAD_LOCAL_STORE
org.apache.activemq.util.osgi.Activator.loadProperties(URL) may fail to close stream	BAD_PRACTICE	193	Medium	OS_OPEN_STREAM