



OMi Management Pack for JBoss Application Server

Software Version: 1.00

Operations Manager i for Linux and Windows® operating systems

Reference Guide

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Chapter 1: OMi Management Pack for JBoss Application Server

The HPE OMi Management Pack for JBoss Application Server (OMi MP for JBoss Application Server) works with the Operations Manager i (OMi) and enables you to monitor JBoss Application Servers and the underlying infrastructure running in your environment.

The OMi MP for JBoss Application Server includes Health Indicators (HIs), Event Type Indicators (ETIs), and Correlation Rules that analyze the events that occur in the JBoss Application Servers and report the health status. It also provides out-of-the-box Management Templates and Aspects to monitor the availability, health, and performance of the JBoss Application Servers. The Management Templates consists of various Aspects that help you monitor the server status, servlets, EJB (Enterprise JavaBeans) performance, and so on.

The Management Templates or Aspects can be seamlessly deployed by administrators for monitoring the JBoss Application Servers in an enterprise environment.

The OMi MP for JBoss Application Server helps you to monitor the following network deployments:

- Standalone
- Domain
- Secure configuration with SSL authentication

The OMi MP for JBoss Application Server supports the following:

- Instance based deployment and configuration
- Ready to deploy out-of-the-box management solutions
- Composite Applications - Includes JBoss Application Server, Oracle Database, and its infrastructure

OMi MP for JBoss Application Server Metrics

This chapter provides information about the JBoss Application Server collections, metrics, and data store tables which can be used to configure the data-collection procedure.

JBoss_Availability

Description: This metric monitors the status of the JBoss Server.

Collection interval:

Policy: JBoss_Availability

Aspect: JBoss Availability

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBoss_ServerStatus

MBean ObjectName(EAP 6.x/AS 7.x): NA

MBean Attribute(EAP 6.x/AS 7.x): NA

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

Message Category: JBoss

Severity / Threshold: CRITICAL / 0.5, Critical / 2.5, Critical / 4.5

Message Text: Rule1: JBoss Server <OPTION(JBoss_ServerName)> is not running. [Policy: <NAME>]

Message Text: Rule2: JBoss Host Controller is not running. [Policy: <NAME>]

Message Text: Rule3: JBoss Process Controller is not running. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : If the server is not in a running state, the following events may have occurred:

1) The Administrator has shut the server down. 2) The server may have gone down for other reasons.

Potential Impact: Performance monitoring for server is not possible, and all the deployed applications will not work, till the server is started.

Suggested Action(s) :

JBoss Administrator should start the server.

JBoss_TransactionsCommitted

Description: This metric monitors the number of Committed Transactions.

Collection interval: HIGH

Policy: JBoss_TransactionsCommitted

Aspect: JBoss Transaction Status

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_TRANSACTIONS

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=transactions

MBean Attribute(EAP 6.x/AS 7.x): numberOfCommittedTransactions

MBean ObjectName(EAP 5.x): *.* ,service=TransactionManager

MBean Attribute(EAP 5.x): CommitCount

JBoss_ClassLoadingLoadedClassCount

Description: This metric monitors the number of Loaded Class Count.

Collection interval: HIGH

Policy: JBoss_ClassLoadingLoadedClassCount

Aspect: JBoss Classloading Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_CLASSLOADING

MBean ObjectName(EAP 6.x/AS 7.x): java.lang:type=ClassLoading

MBean Attribute(EAP 6.x/AS 7.x): LoadedClassCount

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_JCASHortThreadcurrentThreadPct

Description: This metric monitors the percentage of short current Threads utilization in JBoss Application Servers.

Collection interval: HIGH

Policy: JBoss_JCASHortThreadcurrentThreadPct

Aspect: JBoss JCA Statistics

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBoss_JCA

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=jca,workmanager=*,short-running-threads=*

MBean Attribute(EAP 6.x/AS 7.x): currentThreadCount

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

Message Category: JBoss

Severity / Threshold: CRITICAL / 90.0

Message Text: JCA Short current threads utilization for <OPTION(JBoss_ServerName)> is (<VALUE>) compared to threshold (<THRESHOLD>) [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The percentage of current threads in the pool for JCA short-running-threads has exceeded a threshold value.

Potential Impact:

Suggested Action(s) : For additional information on JCA short-running-threads, check the JBoss Application Server documentation.

JBoss_PoolDestroyedCount

Description: This metric monitors the number of pools that are destroyed in the in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_PoolDestroyedCount

Aspect: JBoss JDBC Connection Pool Status

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JDBCPOOL

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=datasources,data-source=*,statistics=pool

MBean Attribute(EAP 6.x/AS 7.x): DestroyedCount

MBean ObjectName(EAP 5.x): JBoss_PoolActiveCount

MBean Attribute(EAP 5.x): ConnectionDestroyedCount

JBoss_WebAppExpiredSessions

Description: This metric measures the Web Application expired sessions.

Collection interval: HIGH

Policy: JBoss_WebAppExpiredSessions

Aspect: JBoss Web Application Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_WEBAPP

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=web

MBean Attribute(EAP 6.x/AS 7.x): expiredSessions

MBean ObjectName(EAP 5.x): *.* ,host=*,path=*,type=Manager

MBean Attribute(EAP 5.x): expiredSessions

JBoss_JMSTopicDurableMessagePct

Description: This metric monitors the JMS durable message percentage of JBoss Application Servers.

Collection interval: HIGH

Policy: JBoss_JMSTopicDurableMessagePct

Aspect: JBoss JMS Performance

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBoss_JMSTopic

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=messaging,hornetq-server=default,jms-topic=*

MBean Attribute(EAP 6.x/AS 7.x): durableMessageCount

MBean ObjectName(EAP 5.x): *:*,name=*,service=Topic

MBean Attribute(EAP 5.x): DurableMessageCount

Message Category: JBoss

Severity / Threshold: CRITICAL / 90.0

Message Text: JMS durable message percentage for topic <OPTION(JBoss_JMSTopicName)> is (<VALUE>) compared to threshold (<THRESHOLD>) on server <OPTION(JBoss_ServerName)> [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The percentage of JMS Topic durable message has exceeded a threshold value.

Potential Impact:

Suggested Action(s) : For additional information on JMS Topic, check the JBoss Application Server documentation.

JBoss_JMSTopicDurableMessageCount

Description: This metric monitors the JMS Topic durable message count in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JMSTopicDurableMessageCount

Aspect: JBoss JMS Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JMSTopic

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=messaging,hornetq-server=default,jms-topic=*

MBean Attribute(EAP 6.x/AS 7.x): durableMessageCount

MBean ObjectName(EAP 5.x): *:*,name=*,service=Topic

MBean Attribute(EAP 5.x): DurableMessageCount

JBoss_JDBCPreparedStatementCacheMissCount

Description: This metric monitors the JDBC Cache Miss Count in the JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JDBCPreparedStatementCacheMissCount

Aspect: JBoss JDBC Connection Pool Status

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JDBC

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=datasources,data-source=*,statistics=jdbc

MBean Attribute(EAP 6.x/AS 7.x): PreparedStatementCacheDeleteCount

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_JMSTopicNonDurableSubscriptionCount

Description: This metric monitors the JMS Topic non durable Subscription count in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JMSTopicNonDurableSubscriptionCount

Aspect: JBoss JMS Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JMSTopic

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=messaging,hornetq-server=default,jms-topic=*

MBean Attribute(EAP 6.x/AS 7.x): nonDurableSubscriptionCount

MBean ObjectName(EAP 5.x): *:*,name=*,service=Topic

MBean Attribute(EAP 5.x): NonDurableSubscriptionsCount

JBoss_GarbageCollectorCollectionTime

Description: This metric measures the Garbage Collector Collection Time.

Collection interval: HIGH

Policy: JBoss_GarbageCollectorCollectionTime

Aspect: JBoss Garbage Collector Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_GC

MBean ObjectName(EAP 6.x/AS 7.x): java.lang:type=GarbageCollector,name=PS Scavenge

MBean Attribute(EAP 6.x/AS 7.x): CollectionTime

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_EJBStatelessBeanCreateCountRt

Description: This metric monitors the number of EJB Stateless Session Bean that are created per second.

Collection interval: HIGH

Policy: JBoss_EJBStatelessBeanCreateCountRt

Aspect: JBoss EJB Performance

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBoss_JarEJBStateles

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*, subsystem=*, stateless-session-bean=*

MBean Attribute(EAP 6.x/AS 7.x): poolCreateCount

MBean ObjectName(EAP 5.x): *:*, ear=*, jar=*.jar, name=*, service=EJB3

MBean Attribute(EAP 5.x): CreateCount

Message Category: JBoss

Severity / Threshold: CRITICAL / 90.0

Message Text: EJB Stateless Session Bean <OPTION(JBoss_EJBStatelessBeanName)> created per second on application <OPTION(JBoss_J2EEAppEARName)> is (<VALUE>) compared to threshold (<THRESHOLD>) on server <OPTION(JBoss_ServerName)> [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Number of EJB Stateless Session Bean instances created per second has exceeded a threshold value.

Potential Impact:

Suggested Action(s) : For additional information on Stateless Session Bean, check the JBoss Application Server documentation.

JBoss_JCASHortThreadrejectedCount

Description: This metric monitors the JCA Short thread rejected count of JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JCASHortThreadrejectedCount

Aspect: JBoss JCA Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JCA

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=jca,workmanager=*,short-running-threads=*

MBean Attribute(EAP 6.x/AS 7.x): rejectedCount

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_WebConnectorHTTPErrorCount

Description: This metric measures the Web Connector HTTP error count.

Collection interval: HIGH

Policy: JBoss_WebConnectorHTTPErrorCount

Aspect: JBoss Web HTTP Connector

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_WEBCONHTTP

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=web,connector=http

MBean Attribute(EAP 6.x/AS 7.x): errorCount

MBean ObjectName(EAP 5.x): *.* ,name=http*,type=GlobalRequestProcessor

MBean Attribute(EAP 5.x): errorCount

JBoss_JMSQueueDeliveringCount

Description: This metric monitors the JMS Queue Delivering count in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JMSQueueDeliveringCount

Aspect: JBoss JMS Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JMSQueue

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=messaging,hornetq-server=default,jms-queue=*

MBean Attribute(EAP 6.x/AS 7.x): deliveringCount

MBean ObjectName(EAP 5.x): *:*,name=*,service=Queue

MBean Attribute(EAP 5.x): DeliveringCount

JBoss_JDBCPreparedStatementCacheHitCount

Description: This metric monitors the JDBC Cache Hit Count in the JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JDBCPreparedStatementCacheHitCount

Aspect: JBoss JDBC Connection Pool Status

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JDBC

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=datasources,data-source=*,statistics=jdbc

MBean Attribute(EAP 6.x/AS 7.x): PreparedStatementCacheMissCount

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_JCASHortThreadlargestThreadCount

Description: This metric monitors the number of largest Short Thread in the JBoss Application Servers.

Collection interval: MEDIUM

Policy: JBoss_JCASHortThreadlargestThreadCount

Aspect: JBoss JCA Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JCA

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=jca,workmanager=*,short-running-threads=*

MBean Attribute(EAP 6.x/AS 7.x): largestThreadCount

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_JCALongThreadlargestThreadCount

Description: This metric monitors the number of largest Long Thread in the JBoss Application Servers.

Collection interval: MEDIUM

Policy: JBoss_JCALongThreadlargestThreadCount

Aspect: JBoss JCA Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JCA

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=jca,workmanager=*,long-running-threads=*

MBean Attribute(EAP 6.x/AS 7.x): largestThreadCount

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_JCALongThreadcurrentThreadPct

Description: This metric monitors the percentage of long current Threads utilization in JBoss Application Servers.

Collection interval: HIGH

Policy: JBoss_JCALongThreadcurrentThreadPct

Aspect: JBoss JCA Statistics

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBoss_JCA

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=jca,workmanager=*,long-running-threads=*

MBean Attribute(EAP 6.x/AS 7.x): currentThreadCount

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

Message Category: JBoss

Severity / Threshold: CRITICAL / 90.0

Message Text: JCA Long current threads utilization for <OPTION(JBoss_ServerName)> is (<VALUE>) compared to threshold (<THRESHOLD>) [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The percentage of current threads in the pool for JCA long-running-threads has exceeded a threshold value.

Potential Impact:

Suggested Action(s) : For additional information on JCA long-running-threads, check the JBoss Application Server documentation.

JBoss_JCALongThreadqueueLength

Description: This metric monitors the JCA Long thread queue length of the JBoss Application Servers.

Collection interval: HIGH

Policy: JBoss_JCALongThreadqueueLength

Aspect: JBoss JCA Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JCA

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=jca,workmanager=*,long-running-threads=*

MBean Attribute(EAP 6.x/AS 7.x): queueLength

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_EJBStatefulBeanCreateCountRt

Description: This metric monitors the number of EJB Stateful Session Bean that are created per second.

Collection interval: HIGH

Policy: JBoss_EJBStatefulBeanCreateCountRt

Aspect: JBoss EJB Performance

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBoss_JarEJBStateful

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=*,stateful-session-bean=*

MBean Attribute(EAP 6.x/AS 7.x): poolCreateCount

MBean ObjectName(EAP 5.x): *:*,ear=*,jar=*.jar,name=*,service=EJB3

MBean Attribute(EAP 5.x): CreateCount

Message Category: JBoss

Severity / Threshold: CRITICAL / 90.0

Message Text: EJB Stateful Session Bean <OPTION(JBoss_EJBStatefulBeanName)> created per second on application <OPTION(JBoss_J2EEAppEARName)> is (<VALUE>) compared to threshold (<THRESHOLD>) on server <OPTION(JBoss_ServerName)> [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Number of EJB Stateful Session Bean instances created per second has exceeded a threshold value.

Potential Impact:

Suggested Action(s) : For additional information on Stateful Session Bean, check the JBoss Application Server documentation.

JBoss_JCAQueueSize

Description: This metric monitors the queue size of JCA.

Collection interval: HIGH

Policy: JBoss_JCAQueueSize

Aspect: JBoss JCA Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JCA_EAP5

MBean ObjectName(EAP 6.x/AS 7.x): NA

MBean Attribute(EAP 6.x/AS 7.x): NA

MBean ObjectName(EAP 5.x): *.* ,service=WorkManagerThreadPool

MBean Attribute(EAP 5.x): QueueSize

JBoss_TransactionsTimedOut

Description: This metric monitors the number of TimedOut transactions.

Collection interval: HIGH

Policy: JBoss_TransactionsTimedOut

Aspect: JBoss Transaction Status

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_TRANSACTIONS

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=transactions

MBean Attribute(EAP 6.x/AS 7.x): numberOfTimedOutTransactions

MBean ObjectName(EAP 5.x): *.* ,service=TransactionManager

MBean Attribute(EAP 5.x): TimedoutCount

JBoss_JDBCConnectionPoolThruRt

Description: This metric monitors the percentage utilization of available JDBC connections in connection pool.

Collection interval: HIGH

Policy: JBoss_JDBCConnectionPoolThruRt

Aspect: JBoss JDBC Connection Pool Status

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBoss_JDBCPOOL

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=datasources,data-source=*,statistics=pool

MBean Attribute(EAP 6.x/AS 7.x): ActiveCount AvailableCount

MBean ObjectName(EAP 5.x): *:*,name=*,service=ManagedConnectionPool

MBean Attribute(EAP 5.x): ConnectionCount AvailableConnectionCount

Message Category: JBoss

Severity / Threshold: CRITICAL / 90.0

Message Text: Throughput of JDBC connection pool for datasource <OPTION(JBoss_DataSourceName)> is (<VALUE>) compared to threshold (<THRESHOLD>) on server <OPTION(JBoss_ServerName)> [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The number of connections allocated and returned by applications per second has exceeded a threshold value.

Potential Impact: 1. This indicates an increased number of JDBC requests.

2. Results in increase in CPU Usage.

Suggested Action(s) : To modify/view the JDBC settings refer to JBoss Application Server documentation.

JBoss_JCAWorkManagerQueueUtilPct

Description: This metric monitors the JCA WorkManager Thread Pool Utilization Percentage.

Collection interval: HIGH

Policy: JBoss_JCAWorkManagerQueueUtilPct

Aspect: JBoss JCA Statistics

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBoss_JCA_EAP5

MBean ObjectName(EAP 6.x/AS 7.x): NA

MBean Attribute(EAP 6.x/AS 7.x): NA

MBean ObjectName(EAP 5.x): *.* ,service=WorkManagerThreadPool

MBean Attribute(EAP 5.x): QueueSize MaximumQueueSize

Message Category: JBoss

Severity / Threshold: CRITICAL / 90.0

Message Text: JCA WorkManager Thread Pool Utilization Percentage for <OPTION(JBoss_ServerName)> is (<VALUE>) compared to threshold (<THRESHOLD>) [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Small thread pool size is chosen for WorkManager Thread Pool.

Potential Impact:

1. Thread pool saturation condition may occur.
2. CPU utilization may consistently keep shooting up.

Suggested Action(s) :

1. To fix a saturated thread pool, keep changing the thread pool size in steps until CPU utilization reaches between 75 and 85 percent.
2. Tune the application using a code profiling tool.

JBoss_JDBCPreparedStatementCacheDeleteCount

Description: This metric monitors the JDBC Cache Delete Count in the JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JDBCPreparedStatementCacheDeleteCount

Aspect: JBoss JDBC Connection Pool Status

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JDBC

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=datasources,data-source=*,statistics=jdbc

MBean Attribute(EAP 6.x/AS 7.x): PreparedStatementCacheHitCount

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_EJBStatefulBeanPoolCurrentSize

Description: This metric monitors the current size of EJB Stateful Session Bean Pool.

Collection interval: VERYHIGH

Policy: JBoss_EJBStatefulBeanPoolCurrentSize

Aspect: JBoss EJB Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JarEJBStateful

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=*,stateful-session-bean=*

MBean Attribute(EAP 6.x/AS 7.x): poolCurrentSize

MBean ObjectName(EAP 5.x): *:*,ear=*,jar=*.jar,name=*,service=EJB3

MBean Attribute(EAP 5.x): CurrentSize

JBoss_EJBStatefulBeanPoolMaxSize

Description: This metric monitors the maximum size of EJB Stateful Session Bean Pool.

Collection interval: VERYHIGH

Policy: JBoss_EJBStatefulBeanPoolMaxSize

Aspect: JBoss EJB Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JarEJBStateful

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=*,stateful-session-bean=*

MBean Attribute(EAP 6.x/AS 7.x): poolMaxSize

MBean ObjectName(EAP 5.x): *:*,ear=*,jar=*.jar,name=*,service=EJB3

MBean Attribute(EAP 5.x): MaxSize

JBoss_JMSTopicNonDurableMessagePct

Description: JMS non durable message percentage of JBoss Application Servers.

Collection interval: HIGH

Policy: JBoss_JMSTopicNonDurableMessagePct

Aspect: JBoss JMS Performance

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBoss_JMSTopic

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=messaging,hornetq-server=default,jms-topic=*

MBean Attribute(EAP 6.x/AS 7.x): nonDurableMessageCount

MBean ObjectName(EAP 5.x): *:*,name=*,service=Topic

MBean Attribute(EAP 5.x): NonDurableMessageCount

Message Category: JBoss

Severity / Threshold: CRITICAL / 90.0

Message Text: JMS non durable message percentage for topic <OPTION(JBoss_JMSTopicName)> is (<VALUE>) compared to threshold (<THRESHOLD>) on server <OPTION(JBoss_ServerName)> [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The percentage of JMS Topic non-durable message has exceeded a threshold value.

Potential Impact:

Suggested Action(s) : For additional information on JMS Topic, check the JBoss Application Server documentation.

JBoss_JCALongThreadcurrentThreadCount

Description: This metric monitors the number of current Long Threads in the JBoss Application Servers.

Collection interval: HIGH

Policy: JBoss_JCALongThreadcurrentThreadCount

Aspect: JBoss JCA Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JCA

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=jca,workmanager=*,long-running-threads=*

MBean Attribute(EAP 6.x/AS 7.x): currentThreadCount

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_WebAppSessionAvgAliveTime

Description: This metric measures the Web Application session Average Alive Time.

Collection interval: HIGH

Policy: JBoss_WebAppSessionAvgAliveTime

Aspect: JBoss Web Application Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_WEBAPP

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=web

MBean Attribute(EAP 6.x/AS 7.x): sessionAvgAliveTime

MBean ObjectName(EAP 5.x): *.* ,host=*,path=*,type=Manager

MBean Attribute(EAP 5.x): sessionAverageAliveTime

JBoss_EJBMessageDrivenBeanPoolMaxSize

Description: This metric monitors the maximum size of EJB Message Driven Bean Pool.

Collection interval: VERYHIGH

Policy: JBoss_EJBMessageDrivenBeanPoolMaxSize

Aspect: JBoss EJB Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JarEJBMessage

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=*,message-driven-bean=*

MBean Attribute(EAP 6.x/AS 7.x): poolMaxSize

MBean ObjectName(EAP 5.x): *:*,ear=*,jar=*.jar,name=*,service=EJB3

MBean Attribute(EAP 5.x): MaxSize

JBoss_EJBMessageDrivenBeanRemoveCountRt

Description: This metric monitors the number of EJB Message Driven Bean Removed per second.

Collection interval: HIGH

Policy: JBoss_EJBMessageDrivenBeanRemoveCountRt

Aspect: JBoss EJB Performance

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBoss_JarEJBMessage

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=*,message-driven-bean=*

MBean Attribute(EAP 6.x/AS 7.x): poolRemoveCount

MBean ObjectName(EAP 5.x): *:*,ear=*,jar=*.jar,name=*,service=EJB3

MBean Attribute(EAP 5.x): RemoveCount

Message Category: JBoss

Severity / Threshold: CRITICAL / 90.0

Message Text: EJB Message Driven Bean <OPTION(JBoss_EJBMessageBeanName)> removed per second on application <OPTION(JBoss_J2EEAppEARName)> is (<VALUE>) compared to threshold (<THRESHOLD>) on server <OPTION(JBoss_ServerName)> [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Number of EJB Message Driven Bean instances removed per second has exceeded a threshold value.

Potential Impact:

Suggested Action(s) : For additional information on EJB Message Driven Bean, check the JBoss Application Server documentation.

JBoss_WebAppSessionMaxAliveTime

Description: This metric measures the Web Application session Maximum Alive Time.

Collection interval: HIGH

Policy: JBoss_WebAppSessionMaxAliveTime

Aspect: JBoss Web Application Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_WEBAPP

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=web

MBean Attribute(EAP 6.x/AS 7.x): sessionMaxAliveTime

MBean ObjectName(EAP 5.x): *.*:host=*,path=*,type=Manager

MBean Attribute(EAP 5.x): sessionMaxAliveTime

JBoss_JMSQueueMessageCount

Description: This metric monitors the JMS Queue Message count in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JMSQueueMessageCount

Aspect: JBoss JMS Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JMSQueue

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=messaging,hornetq-server=default,jms-queue=*

MBean Attribute(EAP 6.x/AS 7.x): messageCount

MBean ObjectName(EAP 5.x): *:*,name=*,service=Queue

MBean Attribute(EAP 5.x): MessageCount

JBoss_JMSTopicNonDurableMessageCount

Description: This metric monitors the JMS Topic non durable message count in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JMSTopicNonDurableMessageCount

Aspect: JBoss JMS Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JMSTopic

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=messaging,hornetq-server=default,jms-topic=*

MBean Attribute(EAP 6.x/AS 7.x): nonDurableMessageCount

MBean ObjectName(EAP 5.x): *:*,name=*,service=Topic

MBean Attribute(EAP 5.x): NonDurableMessageCount

JBoss_PoolMaxUsedCount

Description: This metric monitors the Pool Max used count of the pool in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_PoolMaxUsedCount

Aspect: JBoss JDBC Connection Pool Status

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JDBCPOOL

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=datasources,data-source=*,statistics=pool

MBean Attribute(EAP 6.x/AS 7.x): MaxUsedCount

MBean ObjectName(EAP 5.x): JBoss_PoolActiveCount

MBean Attribute(EAP 5.x): MaxConnectionsInUseCount

JBoss_JMSTopicDurableSubscriptionCount

Description: This metric monitors the JMS Topic durable subscription count in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JMSTopicDurableSubscriptionCount

Aspect: JBoss JMS Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JMSTopic

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=messaging,hornetq-server=default,jms-topic=*

MBean Attribute(EAP 6.x/AS 7.x): durableSubscriptionCount

MBean ObjectName(EAP 5.x): *:*,name=*,service=Topic

MBean Attribute(EAP 5.x): DurableSubscriptionsCount

JBoss_JCASHortThreadmaxThreads

Description: This metric monitors the number of maximum Short threads in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JCASHortThreadmaxThreads

Aspect: JBoss JCA Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JCA

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=jca,workmanager=*,short-running-threads=*

MBean Attribute(EAP 6.x/AS 7.x): maxThreads

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_JCALongThreadcoreThreads

Description: This metric monitors the number of Long core threads in JBoss Application Servers.

Collection interval: HIGH

Policy: JBoss_JCALongThreadcoreThreads

Aspect: JBoss JCA Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JCA

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=jca,workmanager=*,long-running-threads=*

MBean Attribute(EAP 6.x/AS 7.x): coreThreads

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_EJBMessageDrivenBeanPoolCurrentSize

Description: This metric monitors the current size of EJB Message Driven Bean Pool.

Collection interval: VERYHIGH

Policy: JBoss_EJBMessageDrivenBeanPoolCurrentSize

Aspect: JBoss EJB Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JarEJBMessage

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=*,message-driven-bean=*

MBean Attribute(EAP 6.x/AS 7.x): poolCurrentSize

MBean ObjectName(EAP 5.x): *:*,ear=*,jar=*.jar,name=*,service=EJB3

MBean Attribute(EAP 5.x): CurrentSize

JBoss_TransactionsNested

Description: This metric monitors the number of Nested Transactions.

Collection interval: HIGH

Policy: JBoss_TransactionsNested

Aspect: JBoss Transaction Status

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_TRANSACTIONS

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=transactions

MBean Attribute(EAP 6.x/AS 7.x): numberOfNestedTransactions

MBean ObjectName(EAP 5.x): *.* ,service=TransactionManager

MBean Attribute(EAP 5.x): NestedTransactonCount

JBoss_JDBCPreparedStatementCacheAccessCount

Description: This metric monitors the JDBC Cache Access Count in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JDBCPreparedStatementCacheAccessCount

Aspect: JBoss JDBC Connection Pool Status

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JDBC

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=datasources,data-source=*,statistics=jdbc

MBean Attribute(EAP 6.x/AS 7.x): PreparedStatementCacheAccessCount

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_EJBStatefulBeanPassivatedCountRt

Description: This metric monitors the number of EJB Stateful Session Bean Passivated per second.

Collection interval: HIGH

Policy: JBoss_EJBStatefulBeanPassivatedCountRt

Aspect: JBoss EJB Performance

CIT: JBoss AS

Alarming / Logging: Alarming

Message Category: JBoss

Severity / Threshold: CRITICAL / 90.0

Message Text: EJB Stateful Session Bean <OPTION(JBoss_EJBStatefulBeanName)> passivated per second on application <OPTION(JBoss_J2EEAppEARName)> is (<VALUE>) compared to threshold (<THRESHOLD>) on server <OPTION(JBoss_ServerName)> [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Number of EJB Stateful Session Bean instances passivated per second has exceeded a threshold value.

Potential Impact:

Suggested Action(s) : For additional information on Stateful Session Bean, check the JBoss Application Server documentation.

JBoss_EJBStatelessBeanPoolMaxSize

Description: This metric monitors the maximum size of EJB Stateless Session Bean Pool.

Collection interval: VERYHIGH

Policy: JBoss_EJBStatelessBeanPoolMaxSize

Aspect: JBoss EJB Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JarEJBStateles

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=*,stateless-session-bean=*

MBean Attribute(EAP 6.x/AS 7.x): poolMaxSize

MBean ObjectName(EAP 5.x): *:*,ear=*,jar=*.jar,name=*,service=EJB3

MBean Attribute(EAP 5.x): MaxSize

JBoss_EJBMessageDrivenBeanCreateCountRt

Description: This metric monitors the number of EJB Message Driven Bean Created per second.

Collection interval: HIGH

Policy: JBoss_EJBMessageDrivenBeanCreateCountRt

Aspect: JBoss EJB Performance

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBoss_JarEJBMessage

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=*,message-driven-bean=*

MBean Attribute(EAP 6.x/AS 7.x): poolCreateCount

MBean ObjectName(EAP 5.x): *:*,ear=*,jar=*.jar,name=*,service=EJB3

MBean Attribute(EAP 5.x): CreateCount

Message Category: JBoss

Severity / Threshold: CRITICAL / 90.0

Message Text: EJB Message Driven Bean <OPTION(JBoss_EJBMessageBeanName)> created per second on application <OPTION(JBoss_J2EEAppEARName)> is (<VALUE>) compared to threshold (<THRESHOLD>) on server <OPTION(JBoss_ServerName)> [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Number of EJB Message Driven Bean instances created per second has exceeded a threshold value.

Potential Impact:

Suggested Action(s) : For additional information on EJB Message Driven Bean, check the JBoss Application Server documentation.

JBoss_WebConnectorHTTPProcessingTime

Description: This metric measures the Web Connector HTTP processing time.

Collection interval: HIGH

Policy: JBoss_WebConnectorHTTPProcessingTime

Aspect: JBoss Web HTTP Connector

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_WEBCONHTTP

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=web,connector=http

MBean Attribute(EAP 6.x/AS 7.x): processingTime

MBean ObjectName(EAP 5.x): *.* ,name=http*,type=GlobalRequestProcessor

MBean Attribute(EAP 5.x): processingTime

JBoss_WebAppSessionsCreated

Description: This metric measures the Web Application sessions created.

Collection interval: HIGH

Policy: JBoss_WebAppSessionsCreated

Aspect: JBoss Web Application Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_WEBAPP

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=web

MBean Attribute(EAP 6.x/AS 7.x): sessionsCreated

MBean ObjectName(EAP 5.x): *.* ,host=*,path=*,type=Manager

MBean Attribute(EAP 5.x): sessionCounter

JBoss_TransactionsTotal

Description: This metric monitors the number of transactions.

Collection interval: HIGH

Policy: JBoss_TransactionsTotal

Aspect: JBoss Transaction Status

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_TRANSACTIONS

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=transactions

MBean Attribute(EAP 6.x/AS 7.x): numberOfTransactions

MBean ObjectName(EAP 5.x): *.* ,service=TransactionManager

MBean Attribute(EAP 5.x): TransactionCount

JBoss_JMSTopicSubscriptionCount

Description: This metric monitors the JMS Topic Subscription count in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JMSTopicSubscriptionCount

Aspect: JBoss JMS Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JMSTopic

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=messaging,hornetq-server=default,jms-topic=*

MBean Attribute(EAP 6.x/AS 7.x): subscriptionCount

MBean ObjectName(EAP 5.x): *:*,name=*,service=Topic

MBean Attribute(EAP 5.x): AllSubscriptionsCount

JBoss_Collector_Availability

Description: This metric monitors the status of a JBoss Collector, monitors whether running or not.

Collection interval:

Policy: JBoss_Collector_Availability

Aspect: JBoss MP Self-Monitoring

CIT: Computer

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBOSS_COLL_AVA

MBean ObjectName(EAP 6.x/AS 7.x): NA

MBean Attribute(EAP 6.x/AS 7.x): NA

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

Message Category: JBoss

Severity / Threshold: CRITICAL / 0.5

Message Text: JBoss Collector is not running. [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : If the JBoss MP Collector is not in a running state, the following events may have occurred:

- 1) The Administrator would have stopped the Collector
- 2) The Collector may have gone down for other reasons.

Potential Impact: Performance monitoring for server will not happen.

Suggested Action(s) :

Run the Start JBoss Monitoring tool on the JBoss node.

JBoss_JMSTopicDeliveringCount

Description: This metric monitors the JMS Topic delivering count in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JMSTopicDeliveringCount

Aspect: JBoss JMS Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JMSTopic

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=messaging,hornetq-server=default,jms-topic=*

MBean Attribute(EAP 6.x/AS 7.x): deliveringCount

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_JCASHortThreadcoreThreads

Description: This metric monitors the number of Short core threads in JBoss Application Servers.

Collection interval: HIGH

Policy: JBoss_JCASHortThreadcoreThreads

Aspect: JBoss JCA Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JCA

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=jca,workmanager=*,short-running-threads=*

MBean Attribute(EAP 6.x/AS 7.x): coreThreads

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_PoolActiveCount

Description: This metric monitors the Active count of the pool in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_PoolActiveCount

Aspect: JBoss JDBC Connection Pool Status

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JDBCPOOL

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=datasources,data-source=*,statistics=pool

MBean Attribute(EAP 6.x/AS 7.x): ActiveCount

MBean ObjectName(EAP 5.x): JBoss_PoolActiveCount

MBean Attribute(EAP 5.x): ConnectionCount

JBoss_JMSTopicMessageCount

Description: This metric monitors the JMS Topic Message count in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JMSTopicMessageCount

Aspect: JBoss JMS Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JMSTopic

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=messaging,hornetq-server=default,jms-topic=*

MBean Attribute(EAP 6.x/AS 7.x): messageCount

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_EJBStatefulBeanRemoveCountRt

Description: This metric monitors the number of EJB Stateful Session Bean removed per second.

Collection interval: HIGH

Policy: JBoss_EJBStatefulBeanRemoveCountRt

Aspect: JBoss EJB Performance

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBoss_JarEJBStateful

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*, subsystem=*, stateful-session-bean=*

MBean Attribute(EAP 6.x/AS 7.x): poolMaxSize

MBean ObjectName(EAP 5.x): *:*, ear=*, jar=*.jar, name=*, service=EJB3

MBean Attribute(EAP 5.x): RemoveCount

Message Category: JBoss

Severity / Threshold: CRITICAL / 90.0

Message Text: EJB Stateful Session Bean <OPTION(JBoss_EJBStatefulBeanName)> removed per second on application <OPTION(JBoss_J2EEAppEARName)> is (<VALUE>) compared to threshold (<THRESHOLD>) on server <OPTION(JBoss_ServerName)> [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Number of EJB Stateful Session Bean instances removed per second has exceeded a threshold value.

Potential Impact:

Suggested Action(s) : For additional information on Stateful Session Bean, check the JBoss Application Server documentation.

JBoss_WebServletmaxTime

Description: This metric monitors the maximum time of web Servlet.

Collection interval: HIGH

Policy: JBoss_WebServletmaxTime

Aspect: JBoss Servlet Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_WebServlet

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=web,servlet=*

MBean Attribute(EAP 6.x/AS 7.x): maxTime

MBean ObjectName(EAP 5.x):

:,j2eeType=Servlet,name=*,WebModule=*,J2EEApplication=*,J2EEServer=*

MBean Attribute(EAP 5.x): maxTime

JBoss_PoolInUsePct

Description: This metric monitors the percentage of connections currently in use in JBoss Application Servers.

Collection interval: HIGH

Policy: JBoss_PoolInUsePct

Aspect: JBoss JDBC Connection Pool Status

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBoss_JDBCPOOL

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=datasources,data-source=*,statistics=pool

MBean Attribute(EAP 6.x/AS 7.x): InUseCount ActiveCount

MBean ObjectName(EAP 5.x): JBoss_PoolActiveCount

MBean Attribute(EAP 5.x): InUseConnectionCount ConnectionCount

Message Category: JBoss

Severity / Threshold: CRITICAL / 90.0

Message Text: Percentage of connections currently in use for datasource <OPTION(JBoss_DataSourceName)> is (<VALUE>) compared to threshold (<THRESHOLD>) on server <OPTION(JBoss_ServerName)> [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The percent utilization of the connection pool has exceeded a threshold value.

Potential Impact: 1. Connection pool saturation condition may soon occur.

2. JDBC connection timeouts occur on connection pool saturation.

3. Application response time increases.

Suggested Action(s) : To modify/view the JDBC settings refer to JBoss Application Server documentation.

JBoss_TransactionsAppRollbacks

Description: This metric monitors the number of Transaction Application Rollbacks.

Collection interval: HIGH

Policy: JBoss_TransactionsAppRollbacks

Aspect: JBoss Transaction Status

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_TRANSACTIONS

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=transactions

MBean Attribute(EAP 6.x/AS 7.x): numberOfApplicationRollbacks

MBean ObjectName(EAP 5.x): *.* ,service=TransactionManager

MBean Attribute(EAP 5.x): ApplicationRollbackCount

JBoss_EJBStatefulBeanAvailableCount

Description: This metric monitors the number of EJB Stateful Session Bean Available in the pool.

Collection interval: VERYHIGH

Policy: JBoss_EJBStatefulBeanAvailableCount

Aspect: JBoss EJB Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JarEJBStateful

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=*,stateful-session-bean=*

MBean Attribute(EAP 6.x/AS 7.x): poolAvailableCount

MBean ObjectName(EAP 5.x): *:*,ear=*,jar=*.jar,name=*,service=EJB3

MBean Attribute(EAP 5.x): AvailableCount

JBoss_PoolInUseCount

Description: This metric monitors the In Use Count of the pool in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_PoolInUseCount

Aspect: JBoss JDBC Connection Pool Status

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JDBCPOOL

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=datasources,data-source=*,statistics=pool

MBean Attribute(EAP 6.x/AS 7.x): InUseCount

MBean ObjectName(EAP 5.x): JBoss_PoolActiveCount

MBean Attribute(EAP 5.x): InUseConnectionCount

JBoss_GarbageCollectorIntervalTime

Description: This metric measures the Garbage Collector Interval Time.

Collection interval: HIGH

Policy: JBoss_GarbageCollectorIntervalTime

Aspect: JBoss Garbage Collector Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_GC

MBean ObjectName(EAP 6.x/AS 7.x): java.lang:type=GarbageCollector,name=PS
Scavenge

MBean Attribute(EAP 6.x/AS 7.x): #LastGcInfo##duration

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_TransactionsResouceRollbacks

Description: This metric monitors the number of Transaction Resource Rollbacks.

Collection interval: HIGH

Policy: JBoss_TransactionsResouceRollbacks

Aspect: JBoss Transaction Status

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_TRANSACTIONS

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=transactions

MBean Attribute(EAP 6.x/AS 7.x): numberOfResourceRollbacks

MBean ObjectName(EAP 5.x): *.* ,service=TransactionManager

MBean Attribute(EAP 5.x): ResourceRollbackCount

JBoss_HeapMemUtilPct

Description: This metric monitors the percentage utilization of JVM Heap.

Collection interval: HIGH

Policy: JBoss_HeapMemUtilPct

Aspect: JBoss JVM Memory

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBOSS_JVM

MBean ObjectName(EAP 6.x/AS 7.x): java.lang:type=Memory

MBean Attribute(EAP 6.x/AS 7.x): #HeapMemoryUsage##used #HeapMemoryUsage##max

MBean ObjectName(EAP 5.x): *:*,type=ServerInfo *:*,j2eeType=JVM

MBean Attribute(EAP 5.x): MaxMemory Attribute.Value.getStatistic(java.lang.String HeapSize).getCurrent()

Message Category: JBoss

Severity / Threshold: CRITICAL / 90.0, MAJOR / 80.0, WARNING / 70.0

Message Text: Rule1: JVM Heap percentage utilization for <OPTION(JBoss_ServerName)> is (<VALUE>) compared to threshold (<THRESHOLD>) [Policy: <NAME>]

Message Text: Rule2: JVM Heap percentage utilization for <OPTION(JBoss_ServerName)> is (<VALUE>) compared to threshold (<THRESHOLD>) [Policy: <NAME>]

Message Text: Rule3: JVM Heap percentage utilization for <OPTION(JBoss_ServerName)> is (<VALUE>) compared to threshold (<THRESHOLD>) [Policy: <NAME>]

Instruction Text:

Probable Cause(s) :

The JVM is running out of available heap space.

Potential Impact:

The performance of all J2EE components like Servlets, EJBs etc for the server will be slow.

Suggested Action(s) : You can set the heap size using the options -Xms and -Xmx on the Java command line in the script used to start the server.

Use the -Xms option to set the minimum Java heap size. Set this value to a multiple of 1024 that is greater than 1MB.

Use the `-Xmx` option to set the maximum Java heap size. Set this value to a multiple of 1024 that is greater than 1MB.

As a general rule, set minimum heap size equal to the maximum heap size. If you are using 1.3 Java HotSpot JVM, also set generation sizes.

Make sure that the heap size is not larger than the available free RAM on your system.

Use as large a heap size as possible without causing your system to swap pages to disk.

The amount of free RAM on your system depends on your hardware configuration and the memory requirements of running processes on your machine.

See your system administrator for help in determining the amount of free RAM on your system.

JBoss_JDBCPreparedStatementCacheCurrentSize

Description: This metric monitors the JDBC Cache Current Size in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JDBCPreparedStatementCacheCurrentSize

Aspect: JBoss JDBC Connection Pool Status

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JDBC

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=datasources,data-source=*,statistics=jdbc

MBean Attribute(EAP 6.x/AS 7.x): PreparedStatementCacheCurrentSize

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_EJBStatelessBeanAvailableCount

Description: This metric monitors the number of EJB Stateless Session Bean Available in the pool.

Collection interval: VERYHIGH

Policy: JBoss_EJBStatelessBeanAvailableCount

Aspect: JBoss EJB Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JarEJBStateles

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=*,stateless-session-bean=*

MBean Attribute(EAP 6.x/AS 7.x): poolAvailableCount

MBean ObjectName(EAP 5.x): *:*,ear=*,jar=*.jar,name=*,service=EJB3

MBean Attribute(EAP 5.x): AvailableCount

JBoss_TransResourceRollbackPct

Description: This metric monitors the percentage of JBoss server Transaction Resource Roll back.

Collection interval: HIGH

Policy: JBoss_TransResourceRollbackPct

Aspect: JBoss Transaction Status

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBOSS_TRANSACTIONS

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=transactions

MBean Attribute(EAP 6.x/AS 7.x): numberOfResourceRollbacks

MBean ObjectName(EAP 5.x): *:*,service=TransactionManager

MBean Attribute(EAP 5.x): ResourceRollbackCount

Message Category: JBoss

Severity / Threshold: CRITICAL / 30.0

Message Text: JBoss server Transaction Resource Roll back percentage for <OPTION (JBoss_ServerName)> is (<VALUE>) compared to threshold (<THRESHOLD>) [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The percentage of Resource transactions rolled back has exceeded the threshold value. Transactions are not successfully completing due to resource error.

Potential Impact: User requests are not being successfully completed.

Suggested Action(s) : The JBoss administrator should check the necessary database systems and ensure they are functioning correctly. The administrator can monitor individual transactions from the Administration Console.

JBoss_TransactionsAborted

Description: This metric monitors the number of Aborted Transactions.

Collection interval: HIGH

Policy: JBoss_TransactionsAborted

Aspect: JBoss Transaction Status

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_TRANSACTIONS

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=transactions

MBean Attribute(EAP 6.x/AS 7.x): numberOfAbortedTransactions

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_TransactionsHeuristics

Description: This metric monitors the number of Transactions Heuristics.

Collection interval: HIGH

Policy: JBoss_TransactionsHeuristics

Aspect: JBoss Transaction Status

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_TRANSACTIONS

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=transactions

MBean Attribute(EAP 6.x/AS 7.x): numberOfHeuristics

MBean ObjectName(EAP 5.x): *.* ,service=TransactionManager

MBean Attribute(EAP 5.x): HeuristicCount

JBoss_JMSQueueScheduledCount

Description: This metric monitors the JMS Queue scheduled count in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JMSQueueScheduledCount

Aspect: JBoss JMS Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JMSQueue

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=messaging,hornetq-server=default,jms-queue=*

MBean Attribute(EAP 6.x/AS 7.x): scheduledCount

MBean ObjectName(EAP 5.x): *:*,name=*,service=Queue

MBean Attribute(EAP 5.x): ScheduledMessageCount

JBoss_JCALongThreadmaxThreads

Description: This metric monitors the number of maximum Long threads in JBoss Application Servers.

Collection interval: HIGH

Policy: JBoss_JCALongThreadmaxThreads

Aspect: JBoss JCA Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JCA

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=jca,workmanager=*,long-running-threads=*

MBean Attribute(EAP 6.x/AS 7.x): maxThreads

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_WebServletminTime

Description: This metric monitors the minimum time of web Servlet.

Collection interval: HIGH

Policy: JBoss_WebServletminTime

Aspect: JBoss Servlet Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_WebServlet

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=web,servlet=*

MBean Attribute(EAP 6.x/AS 7.x): minTime

MBean ObjectName(EAP 5.x):

:;j2eeType=Servlet,name=*,WebModule=*,J2EEApplication=*,J2EEServer=*

MBean Attribute(EAP 5.x): minTime

JBoss_GarbageCollectorCollectionCount

Description: This metric monitors the number of Garbage Collector Collection Count.

Collection interval: HIGH

Policy: JBoss_GarbageCollectorCollectionCount

Aspect: JBoss Garbage Collector Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_GC

MBean ObjectName(EAP 6.x/AS 7.x): java.lang:type=GarbageCollector,name=PS Scavenge

MBean Attribute(EAP 6.x/AS 7.x): CollectionCount

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_TransApplicationRollbackPct

Description: This metric monitors the percentage of JBoss server Application Roll back.

Collection interval: HIGH

Policy: JBoss_TransApplicationRollbackPct

Aspect: JBoss Transaction Status

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBOSS_TRANSACTIONS

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=transactions

MBean Attribute(EAP 6.x/AS 7.x): numberOfApplicationRollbacks

MBean ObjectName(EAP 5.x): *.*;service=TransactionManager

MBean Attribute(EAP 5.x): ApplicationRollbackCount

Message Category: JBoss

Severity / Threshold: CRITICAL / 30.0

Message Text: JBoss server Application Roll back percentage for <OPTION(JBoss_ServerName)> is (<VALUE>) compared to threshold (<THRESHOLD>) [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The percentage of Application transactions rolled back has exceeded the threshold value. Transactions are not successfully completing due to Application errors.

Potential Impact: User requests are not being successfully completed.

Suggested Action(s) : The JBoss administrator should check the necessary database systems and ensure they are functioning correctly. The administrator can monitor individual transactions from the Administration Console.

JBoss_JMSTopicMessagesAdded

Description: This metric monitors the JMS Topic Message added in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JMSTopicMessagesAdded

Aspect: JBoss JMS Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JMSTopic

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=messaging,hornetq-server=default,jms-topic=*

MBean Attribute(EAP 6.x/AS 7.x): messagesAdded

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_Configuration

Description: This metric monitors the JBoss_Configuration.

Collection interval:

Policy: JBoss_Configuration

Aspect: JBoss Base

CIT: JBoss AS

Alarming / Logging: NA

JBoss_PoolAvailableCount

Description: This metric monitors the Available Count of the pool in the JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_PoolAvailableCount

Aspect: JBoss JDBC Connection Pool Status

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JDBCPOOL

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=datasources,data-source=*,statistics=pool

MBean Attribute(EAP 6.x/AS 7.x): AvailableCount

MBean ObjectName(EAP 5.x): JBoss_PoolActiveCount

MBean Attribute(EAP 5.x): AvailableConnectionCount

JBoss_WebAppActiveSessions

Description: This metric measures the Web Application active Sessions.

Collection interval: HIGH

Policy: JBoss_WebAppActiveSessions

Aspect: JBoss Web Application Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_WEBAPP

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=web

MBean Attribute(EAP 6.x/AS 7.x): activeSessions

MBean ObjectName(EAP 5.x): *.*:host=*,path=*,type=Manager

MBean Attribute(EAP 5.x): activeSessions

JBoss_PoolCreatedCount

Description: This metric monitors the Created Count of the pool in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_PoolCreatedCount

Aspect: JBoss JDBC Connection Pool Status

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JDBCPOOL

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=datasources,data-source=*,statistics=pool

MBean Attribute(EAP 6.x/AS 7.x): CreatedCount

MBean ObjectName(EAP 5.x): JBoss_PoolActiveCount

MBean Attribute(EAP 5.x): ConnectionCreatedCount

JBoss_WebAppDuplicatedSessionIds

Description: This metric monitors the Web Application duplicated Session IDs.

Collection interval: HIGH

Policy: JBoss_WebAppDuplicatedSessionIds

Aspect: JBoss Web Application Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_WEBAPP

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=web

MBean Attribute(EAP 6.x/AS 7.x): duplicatedSessionIds

MBean ObjectName(EAP 5.x): *.* ,host=*,path=*,type=Manager

MBean Attribute(EAP 5.x): duplicates

JBoss_JCASHortThreadqueueLength

Description: This metric monitors the JCA Short thread queue Length of JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JCASHortThreadqueueLength

Aspect: JBoss JCA Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JCA

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=jca,workmanager=*,short-running-threads=*

MBean Attribute(EAP 6.x/AS 7.x): queueLength

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_JCALongThreadrejectedCount

Description: This metric monitors the JCA Long thread rejected count of JBoss Application Servers.

Collection interval: HIGH

Policy: JBoss_JCALongThreadrejectedCount

Aspect: JBoss JCA Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JCA

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=jca,workmanager=*,long-running-threads=*

MBean Attribute(EAP 6.x/AS 7.x): rejectedCount

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_WebServletProcessingTime

Description: This metric monitors the number of Processing Time for the web Servlet.

Collection interval: HIGH

Policy: JBoss_WebServletProcessingTime

Aspect: JBoss Servlet Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_WebServlet

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=web,servlet=*

MBean Attribute(EAP 6.x/AS 7.x): processingTime

MBean ObjectName(EAP 5.x):

:;j2eeType=Servlet,name=*,WebModule=*,J2EEApplication=*,J2EEServer=*

MBean Attribute(EAP 5.x): processingTime

JBoss_WebConnectorHTTPBytesSent

Description: This metric measures the Web Connector HTTP bytes sent.

Collection interval: HIGH

Policy: JBoss_WebConnectorHTTPBytesSent

Aspect: JBoss Web HTTP Connector

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_WEBCONHTTP

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=web,connector=http

MBean Attribute(EAP 6.x/AS 7.x): bytesSent

MBean ObjectName(EAP 5.x): *.* ,name=http*,type=GlobalRequestProcessor

MBean Attribute(EAP 5.x): bytesSent

JBoss_ClassLoadingTotalLoadedClassCount

Description: This metric monitors the number of Total Loaded Class Count.

Collection interval: HIGH

Policy: JBoss_ClassLoadingTotalLoadedClassCount

Aspect: JBoss Classloading Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_CLASSLOADING

MBean ObjectName(EAP 6.x/AS 7.x): java.lang:type=ClassLoading

MBean Attribute(EAP 6.x/AS 7.x): TotalLoadedClassCount

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_GarbageCollectorThreadCount

Description: This metric measures the Garbage Collector Thread Count.

Collection interval: HIGH

Policy: JBoss_GarbageCollectorThreadCount

Aspect: JBoss Garbage Collector Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_GC

MBean ObjectName(EAP 6.x/AS 7.x): java.lang:type=GarbageCollector,name=PS
Scavenge

MBean Attribute(EAP 6.x/AS 7.x): #LastGcInfo##GcThreadCount

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_WebServletloadTime

Description: This metric monitors the Average Web servlet load Time.

Collection interval: HIGH

Policy: JBoss_WebServletloadTime

Aspect: JBoss Servlet Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_WebServlet

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=web,servlet=*

MBean Attribute(EAP 6.x/AS 7.x): loadTime

MBean ObjectName(EAP 5.x):

.;j2eeType=Servlet,name=*,WebModule=*,J2EEApplication=*,J2EEServer=*

MBean Attribute(EAP 5.x): loadTime

JBoss_JCAMaxQueueSize

Description: This metric monitors the maximum queue size of JCA.

Collection interval: HIGH

Policy: JBoss_JCAMaxQueueSize

Aspect: JBoss JCA Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JCA_EAP5

MBean ObjectName(EAP 6.x/AS 7.x): NA

MBean Attribute(EAP 6.x/AS 7.x): NA

MBean ObjectName(EAP 5.x): *.*;service=WorkManagerThreadPool

MBean Attribute(EAP 5.x): MaximumQueueSize

JBoss_ClassLoadingUnloadedClassCount

Description: This metric monitors the number of Unloaded Class Count.

Collection interval: HIGH

Policy: JBoss_ClassLoadingUnloadedClassCount

Aspect: JBoss Classloading Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_CLASSLOADING

MBean ObjectName(EAP 6.x/AS 7.x): java.lang:type=ClassLoading

MBean Attribute(EAP 6.x/AS 7.x): UnloadedClassCount

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_JMSQueueMessagesAdded

Description: This metric monitors the JMS Queue Message added in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JMSQueueMessagesAdded

Aspect: JBoss JMS Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JMSQueue

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=messaging,hornetq-server=default,jms-queue=*

MBean Attribute(EAP 6.x/AS 7.x): messagesAdded

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_EJBStatelessBeanRemoveCountRt

Description: This metric monitors the number of EJB Stateless Session Bean Removed per second.

Collection interval: HIGH

Policy: JBoss_EJBStatelessBeanRemoveCountRt

Aspect: JBoss EJB Performance

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBoss_JarEJBStateles

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*, subsystem=*, stateless-session-bean=*

MBean Attribute(EAP 6.x/AS 7.x): poolRemoveCount

MBean ObjectName(EAP 5.x): *:*, ear=*, jar=*.jar, name=*, service=EJB3

MBean Attribute(EAP 5.x): RemoveCount

Message Category: JBoss

Severity / Threshold: CRITICAL / 90.0

Message Text: EJB Stateless Session Bean <OPTION(JBoss_EJBStatelessBeanName)> removed per second on application <OPTION(JBoss_J2EEAppEARName)> is (<VALUE>) compared to threshold (<THRESHOLD>) on server <OPTION(JBoss_ServerName)> [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : Number of EJB Stateless Session Bean instances removed per second has exceeded a threshold value.

Potential Impact:

Suggested Action(s) : For additional information on Stateless Session Bean, check the JBoss Application Server documentation.

JBoss_WebAppRejectedSessions

Description: This metric measures the Web Application rejected Sessions.

Collection interval: HIGH

Policy: JBoss_WebAppRejectedSessions

Aspect: JBoss Web Application Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_WEBAPP

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=web

MBean Attribute(EAP 6.x/AS 7.x): rejectedSessions

MBean ObjectName(EAP 5.x): *.*:host=*,path=*,type=Manager

MBean Attribute(EAP 5.x): rejectedSessions

JBoss_EJBStatelessBeanPoolCurrentSize

Description: This metric monitors the Current Size of EJB Stateless Session Bean Pool.

Collection interval: VERYHIGH

Policy: JBoss_EJBStatelessBeanPoolCurrentSize

Aspect: JBoss EJB Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JarEJBStateles

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=*,stateless-session-bean=*

MBean Attribute(EAP 6.x/AS 7.x): poolCurrentSize

MBean ObjectName(EAP 5.x): *:*,ear=*,jar=*.jar,name=*,service=EJB3

MBean Attribute(EAP 5.x): CurrentSize

JBoss_EJBMessageDrivenBeanAvailableCount

Description: This metric monitors the number of EJB Message Driven Bean Available in the pool.

Collection interval: VERYHIGH

Policy: JBoss_EJBMessageDrivenBeanAvailableCount

Aspect: JBoss EJB Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JarEJBMessage

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=*,message-driven-bean=*

MBean Attribute(EAP 6.x/AS 7.x): poolAvailableCount

MBean ObjectName(EAP 5.x): *:*,ear=*,jar=*.jar,name=*,service=EJB3

MBean Attribute(EAP 5.x): AvailableCount

JBoss_NonHeapMemUtilPct

Description: This metric monitors the percentage utilization of JVM Non-Heap.

Collection interval: HIGH

Policy: JBoss_NonHeapMemUtilPct

Aspect: JBoss JVM Memory

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBOSS_JVM

MBean ObjectName(EAP 6.x/AS 7.x): java.lang:type=Memory

MBean Attribute(EAP 6.x/AS 7.x): #NonHeapMemoryUsage##used
#NonHeapMemoryUsage##max

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

Message Category: JBoss

Severity / Threshold: CRITICAL / 90.0, MAJOR / 80.0, WARNING / 70.0

Message Text: Rule1: JVM Non-Heap percentage utilization for <OPTION(JBoss_ ServerName)> is (<VALUE>) compared to threshold (<THRESHOLD>) [Policy: <NAME>]

Message Text: Rule2: JVM Non-Heap percentage utilization for <OPTION(JBoss_ ServerName)> is (<VALUE>) compared to threshold (<THRESHOLD>) [Policy: <NAME>]

Message Text: Rule3: JVM Non-Heap percentage utilization for <OPTION(JBoss_ ServerName)> is (<VALUE>) compared to threshold (<THRESHOLD>) [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The JVM is running out of available non-heap space.

Potential Impact: The performance of all J2EE components like Servlets, EJBs etc for the server will be slow.

Suggested Action(s) : To tune non-heap size, check the JBoss Application Server documentation.

JBoss_JMSQueueConsumerCount

Description: This metric monitors the JMS Queue Consumer count in JBoss Application Servers.

Collection interval: VERYHIGH

Policy: JBoss_JMSQueueConsumerCount

Aspect: JBoss JMS Performance

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JMSQueue

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=messaging,hornetq-server=default,jms-queue=*

MBean Attribute(EAP 6.x/AS 7.x): consumerCount

MBean ObjectName(EAP 5.x): *:*,name=*,service=Queue

MBean Attribute(EAP 5.x): ConsumerCount

JBoss_ApplicationStatus

Description: This metric monitors the status of a application, monitors whether running or not.

Collection interval: HIGH

Policy: JBoss_ApplicationStatus

Aspect: JBoss Application Status

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBoss_AppStatus

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*

MBean Attribute(EAP 6.x/AS 7.x): status

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

Message Category: JBoss

Severity / Threshold: CRITICAL / 0.5

Message Text: JBoss Application <OPTION(JBoss_ApplicationName)> is not running [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : If the application is not in a running state, the following events may have occurred: 1) The Administrator would have disabled the application. 2) The application may have gone down for other reasons.

Potential Impact: Performance monitoring for application is not possible.

Suggested Action(s) :

JBoss Administrator should enable the application on the server.

JBoss_WebServletrequestCount

Description: This metric monitors the number of Request Count for the web Servlet.

Collection interval: HIGH

Policy: JBoss_WebServletrequestCount

Aspect: JBoss Servlet Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_WebServlet

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:deployment=*,subsystem=web,servlet=*

MBean Attribute(EAP 6.x/AS 7.x): requestCount

MBean ObjectName(EAP 5.x):

:,j2eeType=Servlet,name=*,WebModule=*,J2EEApplication=*,J2EEServer=*

MBean Attribute(EAP 5.x): requestCount

JBoss_TransTimeoutPct

Description: This metric monitors the percentage of JBoss server Transaction Timeout.

Collection interval: HIGH

Policy: JBoss_TransTimeoutPct

Aspect: JBoss Transaction Status

CIT: JBoss AS

Alarming / Logging: Alarming / Logging

Data source/ Data class: JBoss_DATA / JBOSS_TRANSACTIONS

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=transactions

MBean Attribute(EAP 6.x/AS 7.x): numberOfTimedOutTransactions

MBean ObjectName(EAP 5.x): *.*;service=TransactionManager

MBean Attribute(EAP 5.x): TimedoutCount

Message Category: JBoss

Severity / Threshold: CRITICAL / 30.0

Message Text: JBoss server Transaction Timed out percentage for <OPTION(JBoss_ServerName)> is (<VALUE>) compared to threshold (<THRESHOLD>) [Policy: <NAME>]

Instruction Text:

Probable Cause(s) : The percentage of transactions rolled back due to time out errors has exceeded the threshold value. Transactions are not successfully completing due to time out errors.

Potential Impact: User requests are not being successfully completed.

Suggested Action(s) : The administrator can monitor individual transactions from the Administration Console. The administrator can monitor individual transactions from the Administration Console.

JBoss_WebConnectorHTTPRequestCount

Description: This metric measures the Web Connector HTTP request Count.

Collection interval: HIGH

Policy: JBoss_WebConnectorHTTPRequestCount

Aspect: JBoss Web HTTP Connector

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_WEBCONHTTP

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=web,connector=http

MBean Attribute(EAP 6.x/AS 7.x): requestCount

MBean ObjectName(EAP 5.x): *.* ,name=http*,type=GlobalRequestProcessor

MBean Attribute(EAP 5.x): requestCount

JBoss_JCASHortThreadcurrentThreadCount

Description: This metric monitors the number of current Short Threads in JBoss Application Servers.

Collection interval: MEDIUM

Policy: JBoss_JCASHortThreadcurrentThreadCount

Aspect: JBoss JCA Statistics

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBoss_JCA

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=jca,workmanager=*,short-running-threads=*

MBean Attribute(EAP 6.x/AS 7.x): currentThreadCount

MBean ObjectName(EAP 5.x): NA

MBean Attribute(EAP 5.x): NA

JBoss_WebConnectorHTTPBytesReceived

Description: This metric measures the Web Connector HTTP bytes Received.

Collection interval: HIGH

Policy: JBoss_WebConnectorHTTPBytesReceived

Aspect: JBoss Web HTTP Connector

CIT: JBoss AS

Alarming / Logging: Logging

Data source/ Data class: JBoss_DATA / JBOSS_WEBCONHTTP

MBean ObjectName(EAP 6.x/AS 7.x): jboss.as:subsystem=web,connector=http

MBean Attribute(EAP 6.x/AS 7.x): bytesReceived

MBean ObjectName(EAP 5.x): *.* ,name=http*,type=GlobalRequestProcessor

MBean Attribute(EAP 5.x): bytesReceived

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