Integration

- Instructions: https://apps.sematext.com/ui/howto/Tomcat/overview

Metrics

Metric Name	Key	Agg	Type	Description
bytes sent	tomcat.request.bytes.sent	Sum	Long	Bytes sent by all the request processors running on the Apache Tomcat (without headers)

Metric Name	Key	Agg	Type	Description
error requests	tomcat.requests.errors	Sum	Long	Error count on all the request processors running on the Apache Tomcat container
processing time	tomcat.requests.processing.time	Sum	Long	Cumulative processing time
request count	tomcat.requests	Sum	Long	Cumulative request count of the Apache Tomcat container

Metric Name	Key	Agg	Type	Description
bytes received	tomcatx.bytes	Sum	Long	Bytes received by all the request processors running on the Apache Tomcat container (without headers)

Metric Name	Key	Agg	Type	Description
max connections	tomcat.connections.max	Avg	Long	The maximum number of connections that the server will accept and process at any given time
poller thread count	tomcat.threads.poller	Avg	Double	The number of threads used to poll kept alive connections

Metric Name	Key	Agg	Type	Description
max threads	tomcat.threads.max	Avg	long	Additional threads will be created up to the configured maximum
current threads busy	tomcat.threads.busy	Avg	Double	Thread pool usage. Current worker threads busy count
current thread count	tomcat.threads.count	Avg	Double	Thread pool usage. Current worker threads count

Metric Name	Key	Agg	Type	Description
connection count	tomcat.connections	Avg	Double	The current count of connections handled by this endpoint
acceptor thread count	tomcat.threads.acceptor	Avg	Double	The number of threads to be used to accept connections
queue size	tomcat.executor.queue	Avg	Double	Number of tasks waiting to be processed

Metric Name	Key	Agg	Type	Description
max queue size	tomcat.Executor.queue.max	Avg	Long	Maximum number of tasks for the pending task queue
completed task count	tomcat.Executor.completed.tasks.count	Sum	Long	Number of tasks completed by the executor
max threads	tomcat.Executor.threads.max	Avg	Long	Maximum number of allocated threads
min spare threads	tomcat.Executor.threads.min.spare	Avg	Long	Minimum number of allocated threads

Metric Name	Key	Agg	Type	Description
pool size	tomcat.executor.pool	Avg	Double	Number of threads in the pool
core pool size	tomcat.executor.core	Avg	Double	Core size of the thread pool
active threads	tomcat.executor.active	Avg	Double	Number of threads currently processing a task
jsp unload count	tomcat.jsp.unload	Sum	Long	The number of JSPs that have been unloaded

Metric Name	Key	Agg	Type	Description
jsp reload count	tomcat.jsp.reload	Sum	long	The number of JSPs that have been reloaded
jsp loaded count	tomcat.jsp.loaded	Sum	long	The number of JSPs that have been loaded into a webapp
processing time	tomcat.web.execution.time	Sum	long	Cumulative total execution times of all servlets in this context

Metric Name	Key	Agg	Type	Description
max time	tomcat.web.execution.max	Avg	Long	Maximum max execution time of all servlets in this context
min time	tomcat.web.execution.min	Avg	Long	Minimum min execution time of all servlets in this context
error count	tomcat.web.errors	Sum	Long	Cumulative error count of all servlets in this context

Metric Name	Key	Agg	Type	Description
request count	tomcat.web.requests	Sum	Long	Cumulative request count of all servlets in this context
max size	tomcat.cache.size.max	Avg	Long	The maximum size of the static resource cache
size	tomcat.cache.size	Avg	Long	Current size
lookups	tomcat.cache.lookups	Sum	Long	Number of times the cache was accessed

Metric Name	Key	Agg	Type	Description
hits	tomcat.cache.hits	Sum	long	Number of times the cache was hit
num active	tomcat.datasource.active	Avg	Double	Current Active
max active	tomcat.datasource.active.max	Avg	long	The maximum number of active connections that can be allocated from this pool at the same time

Metric Name	Key	Agg	Type	Description
init size	tomcat.datasource.init	Avg	long	The initial number of connections that are created when the pool is started
max idle	tomcat.datasource.max.idle	Avg	long	The maximum number of connections that should be kept in the pool at all times

Metric Name	Key	Agg	Type	Description
num idle	tomcat.datasource.num.idle	Avg	Double	The number of established connections in the pool that are idle
min idle	tomcat.datasource.min.idle	Avg	Long	The minimum number of established connections that should be kept in the pool at all times

Metric Name	Key	Agg	Type	Description
rejected sessions	tomcat.sessions.rejected	Sum	Long	How often was a configured maxActiveSessions limit reached
processing time	tomcat.sessions.processing.time	Sum	Long	Total processing time since startup, cumulated elapsed milliseconds needed for session expiration handling.

Metric Name	Key	Agg	Type	Description
created sessions	tomcat.sessions	SessionL	Long	Total number of sessions created since startup
expired sessions	tomcat.sessions.expired	SessionLongexpired	Number of sessions that expired (doesn't include explicit invalidations)

Metric Name	Key	Agg	Type	Description
session max alive time	tomcat...	Avg	Long, Measured	Maximum from session creation to expiration (be it logout or session idle timeout)
max active	tomcat...	Avg	Double, Max	Maximum number of concurrent active sessions

Metric Name	Key	Agg	Type	Description
active sessions	tomcat.sessions.active	Avg	Double	Number of active sessions at this moment
session average alive time	tomcat.sessions.alive	Avg	Long	Average time an expired session had been alive