title: Tomcat Monitoring Integration description: Monitor your Tomcat Java Servlet Containers with Sematext Infrastructure and Application Monitoring tools. Collaborate across server, web, and database devops teams, easily customize alerts, reports, and dashboards for your enterprise-wide needs, and get insightful visualizations and timely alerts for your Tomcat server metrics

Integration

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

Metrics

Metric Name Key *(Type) (Unit)*	Description
cache lookups**tomcat.cache.lookups** *(long counter)*	Number of times the cache was accessed
cache hits**tomcat.cache.hits** *(long counter)*	Number of times the cache was hit
size**tomcat.cache.size** *(long gauge) (bytes)*	current cache size
max cache size**tomcat.cache.size.max** *(long gauge) (bytes)*	The maximum size of the static resource cache
datasource connection init size**tomcat.datasource.init** *(long gauge)*	The initial number of connections that are created when the pool is started
max active connections**tomcat.datasource.active.max** *(long gauge)*	The maximum number of active connections that can be allocated from this pool at the same time
max idle datasource connections**tomcat.datasource.idle.max** *(long gauge)*	The maximum number of connections that should be kept in the pool at all times
min idle datasource connections**tomcat.datasource.idle.min** *(long gauge)*	The minimum number of established connections that should be kept in the pool at all times
active connections**tomcat.datasource.active** *(long gauge)*	Current Active
idle datasource connections**tomcat.datasource.idle** *(long gauge)*	The number of established connections in the pool that are idle
executor active threads**tomcat.executors.active** *(long gauge)*	Number of threads currently processing a task

Metric Name Key *(Type) (Unit)*	Description
executor completed tasks**tomcat.executors.tasks.completed** *(long counter)*	Number of tasks completed by the executor
executor core thread pool size**tomcat.executors.core** *(long gauge)*	Core size of the thread pool
executor max queue size**tomcat.executors.queue.size.max** *(long gauge)*	Maximum number of tasks for the pending task queue
max executor threads**tomcat.executors.max** *(long gauge)*	Maximum number of allocated threads
min spare executor threads**tomcat.executors.spare.min** *(long gauge)*	Minimum number of allocated threads
executor threads pool size**tomcat.executors.pool** *(long gauge)*	Number of threads in the pool
executor queue**tomcat.executors.queue.size** *(long gauge)*	Number of tasks waiting to be processed
requests**tomcat.requests** *(long counter)*	Cumulative request count of the Apache Tomcat container
bytes received**tomcat.requests.transfer.rx.bytes** *(long counter) (bytes)*	Bytes received by all the request processors running on the Apache Tomcat container (without headers)
bytes sent**tomcat.requests.transfer.tx.bytes** *(long counter) (bytes)*	Bytes sent by all the request processors running on the Apache Tomcat (without headers)
req processing time**tomcat.requests.processing.time** *(long counter) (ms)*	Cumulated processing time
error requests**tomcat.requests.errors** *(long counter)*	Error count on all the request processors running on the Apache Tomcat container
jsp loaded count**tomcat.jsp.loaded** *(long counter)*	The number of JSPs that have been loaded into a webapp
jsp reload count**tomcat.jsp.reloaded** *(long counter)*	The number of JSPs that have been reloaded
jsp unload count**tomcat.jsp.unloaded** *(long counter)*	The number of JSPs that have been unloaded

Metric Name Key *(Type) (Unit)*	Description
session average alive time**tomcat.sessions.alive.time** *(long gauge) (ms)*	Average time an expired session had been alive
rejected sessions**tomcat.sessions.rejected** *(long counter)*	How often was a configured maxActiveSessions limit reached
session max alive time**tomcat.sessions.alive.time.max** *(long gauge) (ms)*	Measured from session creation to expiration (be it logout or session idle timeout)
session processing time**tomcat.sessions.processing.time** *(long counter) (ms)*	Total processing time since startup
active sessions**tomcat.sessions.active** *(long gauge)*	Number of active sessions at this moment
expired sessions**tomcat.sessions.expired** *(long counter)*	Number of sessions that expired (doesn't include explicit invalidations)
max active sessions**tomcat.sessions.active.max** *(long gauge)*	Max number of concurrent active sessions
created sessions**tomcat.sessions** *(long counter)*	Total number of sessions created since startup
current busy threads**tomcat.threads.busy** *(long gauge)*	Thread pool usage. Current worker threads busy count
current threads**tomcat.threads** *(long gauge)*	Thread pool usage. Current worker threads count
max threads**tomcat.threads.max** *(long gauge)*	Additional threads will be created up to the configured maximum
poller thread count**tomcat.threads.pollers** *(long gauge)*	The number of threads used to poll kept alive connections
acceptor threads**tomcat.threads.acceptors** *(long gauge)*	The number of threads to be used to accept connections
max connections**tomcat.connections.max** *(long gauge)*	The maximum number of connections that the server will accept and process at any given time
connections**tomcat.connections** *(long gauge)*	The current count of connections handled by this endpoint

Metric Name Key *(Type) (Unit)*	Description
max servlet processing time **tomcat.web.execution.time.max** *(long gauge) (ms)*	Maximum execution time of all servlets in this context
servlet errors **tomcat.web.errors** *(long counter)*	Cumulative error count of all servlets in this context
servlets processing time **tomcat.web.execution.time.total** *(long counter) (ms)*	Cumulative execution times of all servlets in this context
min servlet processing time **tomcat.web.execution.time.min** *(long gauge) (ms)*	Minimum execution time of all servlets in this context
servlet requests **tomcat.web.requests** *(long counter)*	Cumulative request count of all servlets in this context