

title: Akka performance monitoring description: Sematext APM monitoring integration for Akka actors, dispatchers, and routers reports as well as OS, JVM heap, garbage collection, class loading, threads, memory pool, and other real-time visualizations with dashboards, notification channels and alerts.

Integration

- Instructions: <https://apps.sematext.com/ui/howto/Akka/overview>

Metrics

Metric Name	Key	Agg	Type	Description
'collection time'	akka.jvm.gc.collection.time	Sum	Long	
'collection count'	akka.jvm.gc.collection.count	Sum	Long	
max	akka.memory.pool.max	Avg	Long	
committed	akka.memory.pool.committed	Avg	Long	
used	akka.memory.pool.used	Avg	Long	
'max'	akka.actor.mailbox.time.max	Max	Long	
'min'	akka.actor.processing.time.min	Min	Long	
'max'	akka.actor.processing.time.max	Max	Long	
'min'	akka.actor.mailbox.time.min	Min	Long	
'count'	akka.actor.errors	Sum	Long	
http requests count	tracing.akka.requests	Sum	Long	
max response time	tracing.akka.requests.time.max	Max	Long	
50% response time	tracing.akka.requests.time.p50	Avg	Long	
min response time	tracing.akka.requests.time.min	Min	Long	
90% response time	tracing.akka.requests.time.p90	Avg	Long	
99% response time	tracing.akka.requests.time.p99	Avg	Long	
'loaded'	akka.jvm.classes.loaded.total	Max	Long	
'currently loaded'	akka.jvm.classes.loaded	Max	Long	
'unloaded'	akka.jvm.classes.unloaded	Max	Long	
trace error count	tracing.akka.requests.errors	Sum	Long	
4xx	tracing.akka.requests.errors.4xx	Sum	Long	
5xx	tracing.akka.requests.errors.5xx	Sum	Long	
min value	akka.custom.histogram.min	Min	Long	
count	akka.custom.counter.count	Sum	Long	
90%	akka.custom.histogram.p90	Avg	Long	
max value	akka.custom.min.max.counter.max	Max	Long	
99%	akka.custom.histogram.p99	Avg	Long	
max value	akka.custom.gauge.max	Max	Long	
50%	akka.custom.histogram.p50	Avg	Long	
min value	akka.custom.min.max.counter.min	Min	Long	
max value	akka.custom.histogram.max	Max	Long	
min value	akka.custom.gauge.min	Min	Long	
'queued tasks'	akka.dispatcher.fj.tasks.queued	Max	Long	

Metric Name	Key	Agg	Type	Description
'core pool size'	akka.dispatcher.executor.pool.core	Max	Long	
'pool size'	akka.dispatcher.executor.pool	Max	Long	
'max pool size'	akka.dispatcher.executor.pool.max	Max	Long	
'active threads'	akka.dispatcher.executor.threads.active	Max	Long	
'parallelism'	akka.dispatcher.fj.parallelism	Max	Long	
'processed tasks'	akka.dispatcher.executor.tasks.processed	Max	Long	
'running threads'	akka.dispatcher.fj.threads.running	Max	Long	
'min'	akka.router.processing.time.min	Min	Long	
'min'	akka.router.routing.time.min	Min	Long	
'min'	akka.router.mailbox.time.min	Min	Long	
'count'	akka.router.processing.errors	Sum	Long	
'max'	akka.router.routing.time.max	Max	Long	
'max'	akka.router.processing.time.max	Max	Long	
'max'	akka.router.mailbox.time.max	Max	Long	

FAQ

** Why are some of the metric charts empty? **

Some of the charts show metrics that are available only if you are using Kamon 0.6.x. In Kamon 1.x some of those metrics have been removed.