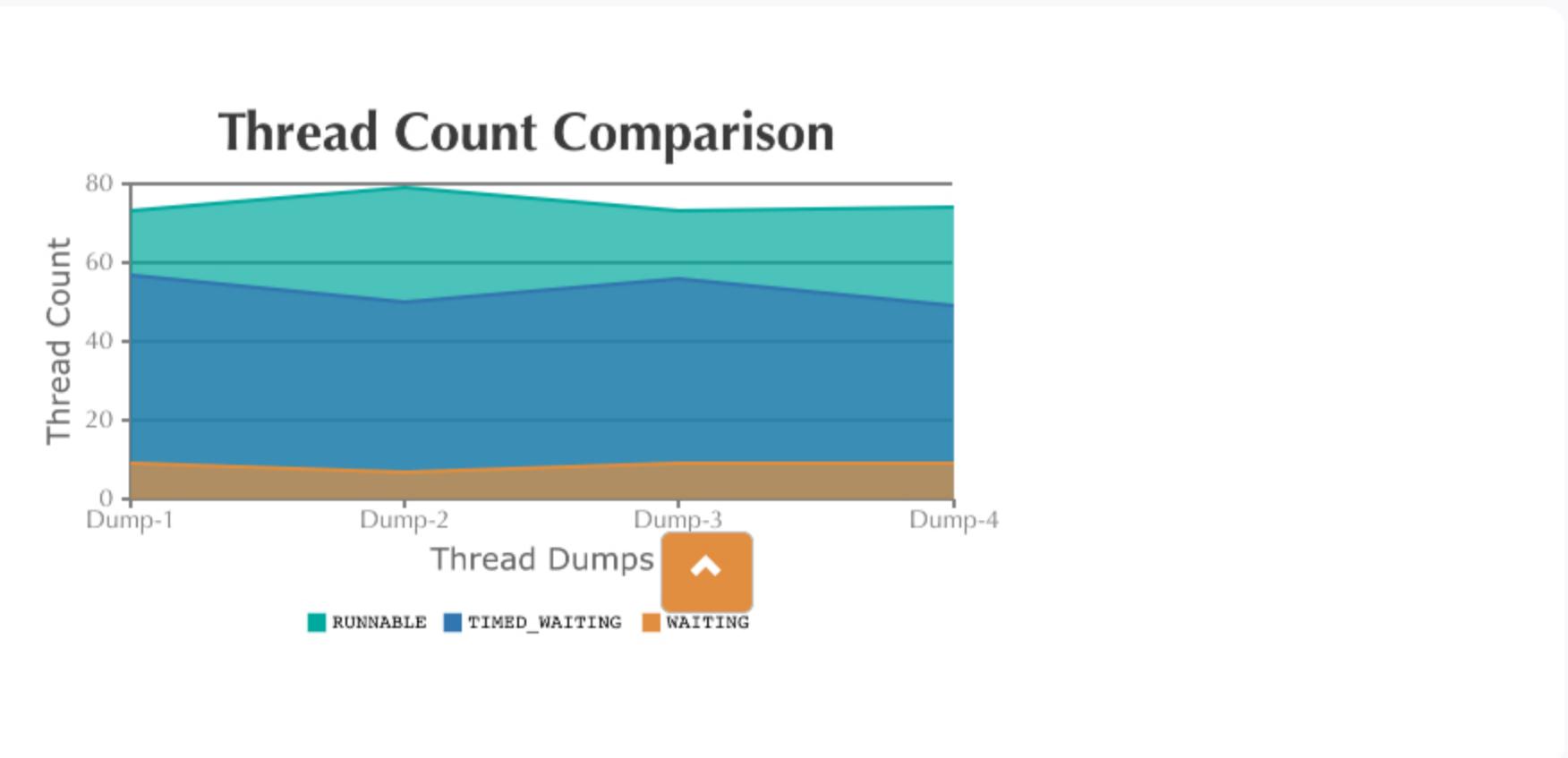


Comparative Summary

Thread count

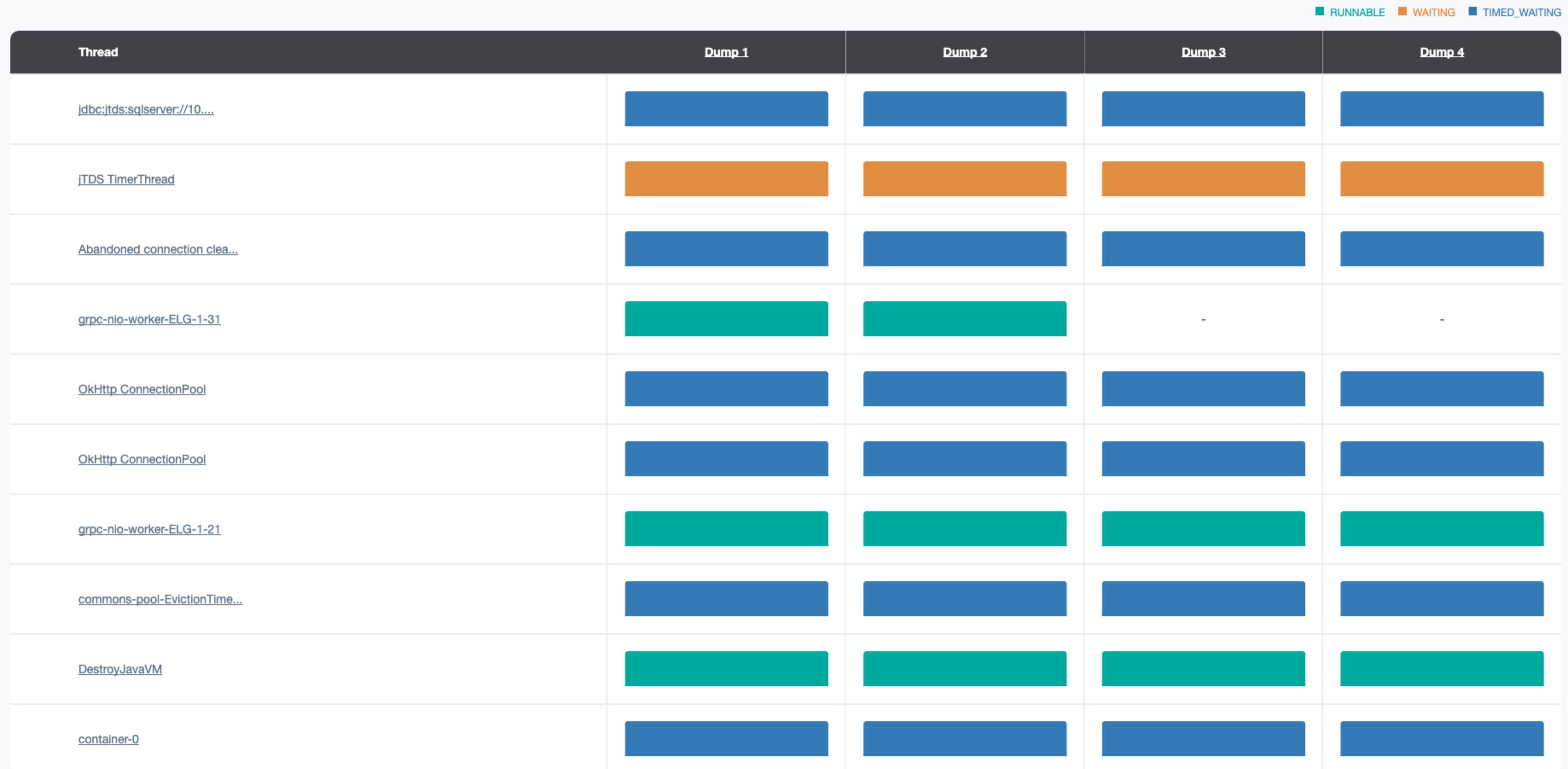
To learn about different thread states through real-life example, check out this [video tutorial](#)

	Dump 1	Dump 2	Dump 3	Dump 4
RUNNABLE	73	79	73	74
TIMED_WAITING	57	50	56	49
WAITING	9	7	9	9
Total	139	136	138	132



Thread States

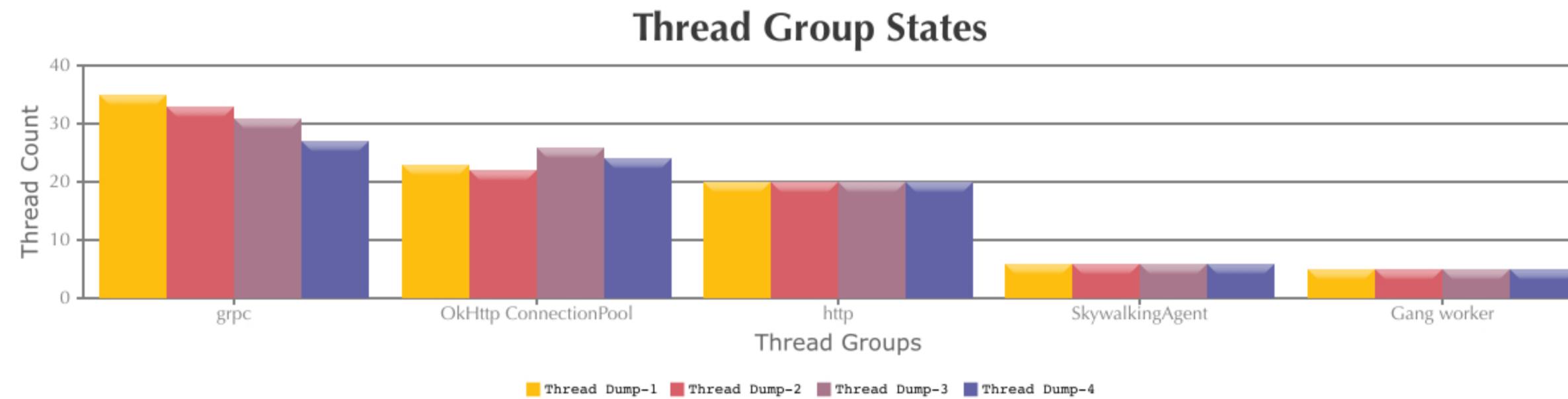
One view to see all threads states across all dumps. [Learn more](#)



[See all threads >>](#)

Thread Groups size

If there is lot of fluctuation in a particular thread group count, than thread group should be investigated further.



	Dump 1	Dump 2	Dump 3	Dump 4
grpc	35	33	31	27
OkHttp ConnectionPool	23	22	26	24
http	20	20	20	20
SkywalkingAgent	6	6	6	6
Gang worker	5	5	5	5

Waiting Threads

Waiting threads with same stacktrace between dumps are displayed here.

Code	WAITING Threads
wait() method in java.lang.Object file	2 threads are WAITING: Finalizer Reference Handler
park() method in sun.misc.Unsafe file	3 threads are WAITING: pool-1-thread-1 elk-thread-pool-1 spring.cloud.inetutils

Timed Waiting Threads

TIMED WAITING threads with same stacktrace between dumps are displayed here.

Code	TIMED_WAITING Threads
wait() method in <code>java.lang.Object</code> file	13 threads are TIMED_WAITING: Abandoned connection cleanup thread commons-pool-EvictionTimer OkHttp ConnectionPool OkHttp ConnectionPool OkHttp ConnectionPool OkHttp ConnectionPool OkHttp ConnectionPool OkHttp ConnectionPool Okio Watchdog OkHttp ConnectionPool OkHttp ConnectionPool OkHttp ConnectionPool OkHttp ConnectionPool OkHttp ConnectionPool

park() method in sun.misc.Unsafe file

12 threads are TIMED_WAITING:
jdbc:jtds:sqlserver://10.1.249.109;databaseName=HHubGlobalDB_pools housekeeper
SkywalkingAgent-5-JVMService-consume-0
SkywalkingAgent-4-JVMService-produce-0
SkywalkingAgent-3-GRPCChannelManager-0
SkywalkingAgent-6-ServiceAndEndpointRegisterClient-0
SkywalkingAgent-8-ProfileSendSnapshotService-0
SkywalkingAgent-7-ProfileGetTaskService-0
http-nio-80-exec-2
http-nio-80-exec-7
ForkJoinPool.commonPool-worker-57
ApplicationTokenRefreshService
http-nio-80-exec-13

sleep() method in java.lang.Thread file

5 threads are TIMED_WAITING:
DataCarrier.DEFAULT.Consumer.0.Thread
container-0
ContainerBackgroundProcessor[StandardEngine[Tomcat]]
kafka-agent
http-nio-80-AsyncTimeout

Blocked Threads

BLOCKED threads with same stacktrace between dumps are displayed here. Blocked threads can make application unresponsive. Learn [atherosclerosis pattern](#)

No threads are BLOCKED on the same lock across all dumps.

Bottom up Call Stack Tree

[Show Top Down call stack](#)

All threads stacktrace are combined in to one single tree. Learn [it's benefits](#).





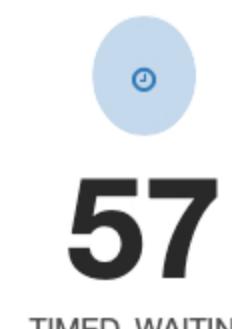
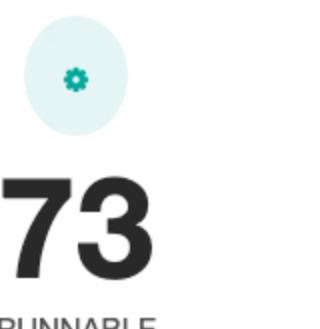
Thread Dump 1 - Intelligence Report

File: [jstack.tar \(2\).gz-4](#)

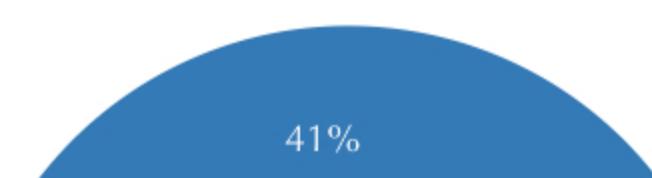
Thread Count Summary

To learn about different thread states through real-life example, check out this [video tutorial](#)

Total Threads count: 139



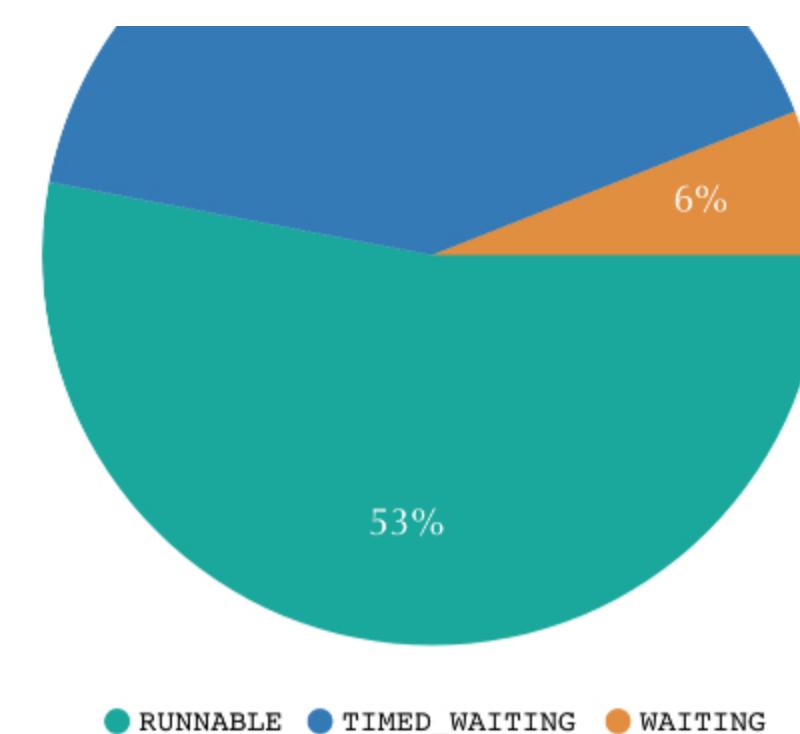
Thread state %



[View Details](#)[View Details](#)

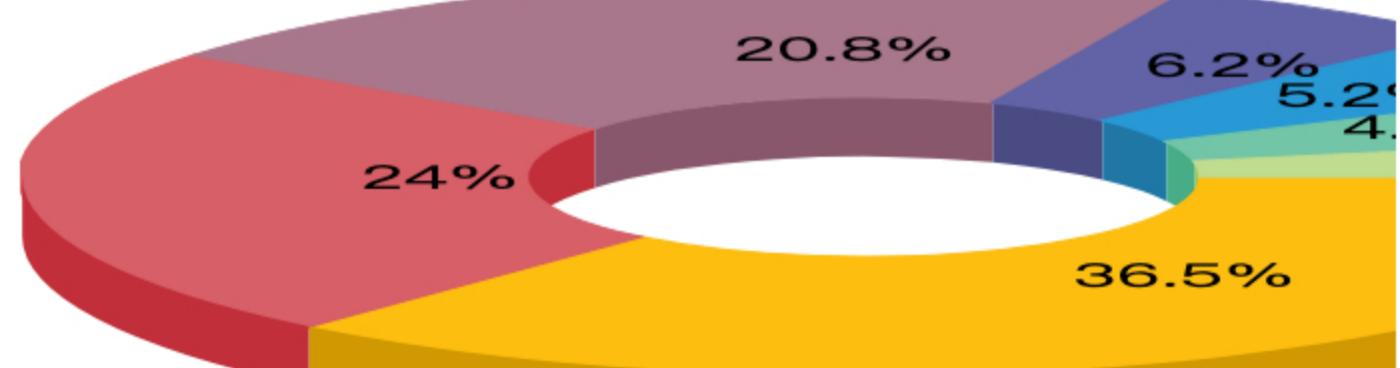
9

WAITING

[View Details](#)

Thread Group

Threads with similar names are grouped in this section



Legends	Thread Group	Count	States
●	grpc	35 threads	RUNNABLE:34 — TIMED_WAITIN:1 G:1
●	OkHttp ConnectionPool	23 threads	TIMED_WAITIN:23 G:23
●	http	20 threads	TIMED_WAITIN:17 G:17 — RUNNABLE:3
●	SkywalkingAgent	6 threads	TIMED_WAITIN:6 G:6
●	Gang worker	5 threads	RUNNABLE:5
●	G1 Concurrent Refinement Thread	4 threads	RUNNABLE:4

[Show all thread groups >>](#)

Daemon vs non-Daemon

Learn more about [daemon and non-daemon \(i.e. user threads\)](#)

119

DAEMON

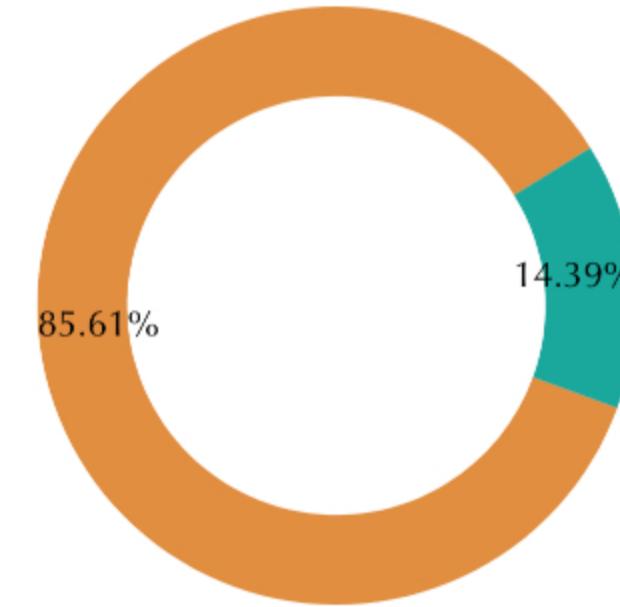
[View Details](#)

20

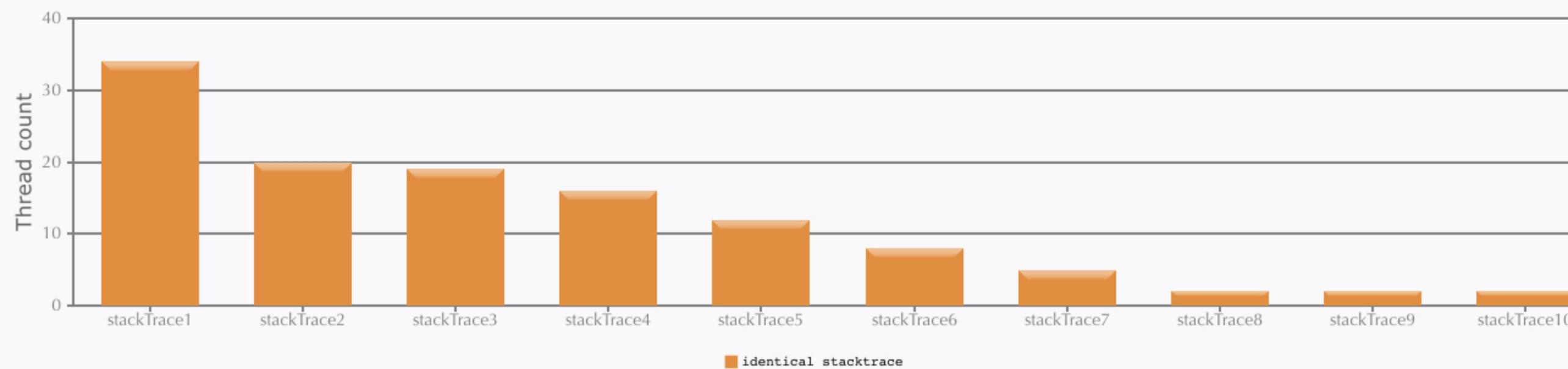
NON-DAEMON

[View Details](#)

Daemon vs non-Daemon



Threads with identical stack trace



Thread Count	Identical Stack trace
34 RUNNABLE threads	<pre>java.lang.Thread.State: RUNNABLE at sun.nio.ch.EPollArrayWrapper.epollWait(Native Method) at sun.nio.ch.EPollArrayWrapper.poll(EPollArrayWrapper.java:269) at sun.nio.ch.EPollSelectorImpl.doSelect(EPollSelectorImpl.java:93) at sun.nio.ch.SelectorImpl.lockAndDoSelect(SelectorImpl.java:86) ... See complete stacktrace.</pre>
20 RUNNABLE threads	<pre>java.lang.Thread.State: RUNNABLE Locked ownable synchronizers: -None See complete stacktrace.</pre>
19 TIMED_WAITING threads	<pre>java.lang.Thread.State: TIMED_WAITING (on object monitor) at java.lang.Object.wait(Native Method) at java.lang.Object.wait(Object.java:460) at okhttp3.ConnectionPool\$1.run(ConnectionPool.java:67) - locked <0x0000000d2311dd8> (a okhttp3.ConnectionPool) ... See complete stacktrace.</pre>
16 TIMED_WAITING threads	<pre>java.lang.Thread.State: TIMED_WAITING (parking) at sun.misc.Unsafe.park(Native Method) - parking to wait for <0x0000000b96f4db0> (a java.util.concurrent.locks.AbstractQueuedSynchronizer\$ConditionObject) at java.util.concurrent.locks.LockSupport.parkNanos(LockSupport.java:215) at java.util.concurrent.locks.AbstractQueuedSynchronizer\$ConditionObject.awaitNanos(AbstractQueuedSynchronizer.java:2078) ... See complete stacktrace.</pre>
12 RUNNABLE threads	<pre>stacktrace See complete stacktrace.</pre>
8 TIMED_WAITING threads	<pre>java.lang.Thread.State: TIMED_WAITING (parking) at sun.misc.Unsafe.park(Native Method) - parking to wait for <0x0000000bb0e4848> (a java.util.concurrent.locks.AbstractQueuedSynchronizer\$ConditionObject) at java.util.concurrent.locks.LockSupport.parkNanos(LockSupport.java:215) at java.util.concurrent.locks.AbstractQueuedSynchronizer\$ConditionObject.awaitNanos(AbstractQueuedSynchronizer.java:2078) ... See complete stacktrace.</pre>
5 TIMED_WAITING threads	<pre>java.lang.Thread.State: TIMED_WAITING (parking) at sun.misc.Unsafe.park(Native Method) - parking to wait for <0x0000000b4ffb610> (a java.util.concurrent.SynchronousQueue\$TransferStack) at java.util.concurrent.locks.LockSupport.parkNanos(LockSupport.java:215) at java.util.concurrent.SynchronousQueue\$TransferStack.awaitFulfill(SynchronousQueue.java:460) ... See complete stacktrace.</pre>
2 RUNNABLE threads	<pre>java.lang.Thread.State: RUNNABLE at sun.nio.ch.EPollArrayWrapper.epollWait(Native Method) at sun.nio.ch.EPollArrayWrapper.poll(EPollArrayWrapper.java:269) at sun.nio.ch.EPollSelectorImpl.doSelect(EPollSelectorImpl.java:93) at sun.nio.ch.SelectorImpl.lockAndDoSelect(SelectorImpl.java:86) ... See complete stacktrace.</pre>
2 WAITING threads	<pre>java.lang.Thread.State: WAITING (parking) at sun.misc.Unsafe.park(Native Method) - parking to wait for <0x0000000b9716f78> (a java.util.concurrent.locks.AbstractQueuedSynchronizer\$ConditionObject) at java.util.concurrent.locks.LockSupport.park(LockSupport.java:175) at java.util.concurrent.locks.AbstractQueuedSynchronizer\$ConditionObject.await(AbstractQueuedSynchronizer.java:2039) ... See complete stacktrace.</pre>
2 RUNNABLE threads	<pre>java.lang.Thread.State: RUNNABLE at sun.nio.ch.EPollArrayWrapper.epollWait(Native Method) at sun.nio.ch.EPollArrayWrapper.poll(EPollArrayWrapper.java:269) at sun.nio.ch.EPollSelectorImpl.doSelect(EPollSelectorImpl.java:93)</pre>

at sun.nio.ch.SelectorImpl.lockAndDoSelect(SelectorImpl.java:86)
...
See complete [stacktrace](#).

Most used methods

Frequently executed methods are reported. If lot of threads executes same method, it may be a concern. Learn [All roads lead to Rome pattern](#)

Thread Count	Method	Percentage
39 threads	sun.nio.ch.EPollArrayWrapper.epollWait(Native Method). To see stack trace click here .	28%
35 threads	sun.misc.Unsafe.park(Native Method). To see stack trace click here .	25%
25 threads	java.lang.Object.wait(Native Method). To see stack trace click here .	18%
5 threads	java.lang.Thread.sleep(Native Method). To see stack trace click here .	4%
2 threads	java.net.PlainSocketImpl.socketConnect(Native Method). To see stack trace click here .	1%

[Show all methods >>](#)

CPU consuming threads

If application is consuming high CPU, investigate below threads. Learn [Athlete pattern](#)

Thread	CPU consuming thread's stacktrace
31 JVM threads	See complete stacktrace .

Blocking Threads - Transitive Graph

Threads that block other threads are displayed here. Blocking threads makes application unresponsive, learn [Traffic Jam pattern](#)

No transitive blocks found

GC Threads

Garbage collection threads count reported. Learn [Scavengers pattern](#)

11
GC threads

[View Details](#)

GC Thread type	Count
Concurrent Mark GC Thread	1
Gang worker	5
Concurrent GC	1
G1 Concurrent Refinement Thread	4
Total	11

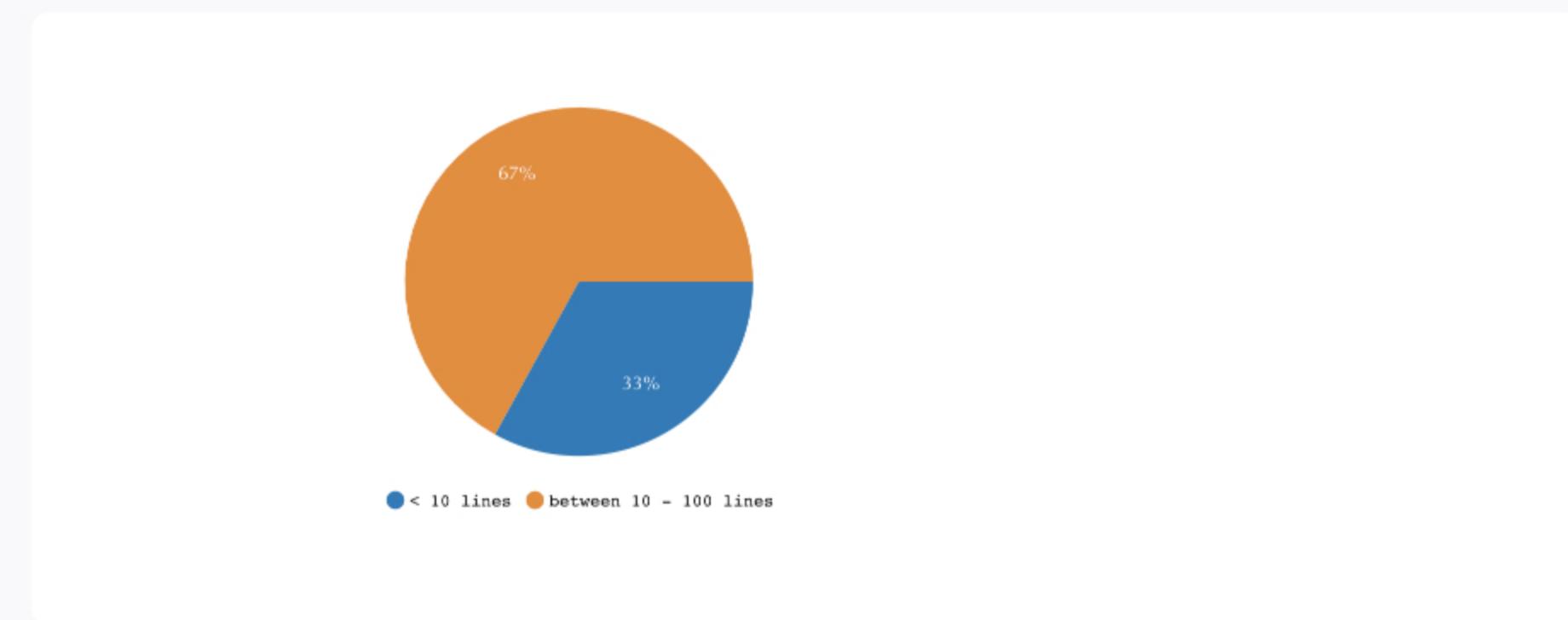
GC thread count is normal

Threads Stack Length

Lengthy stacks can cause StackOverflowError. [Learn more](#)

No Problem in Stack trace length.

Stack Length	Thread count
< 10 lines	46
between 10 - 100 lines	93



Complex DeadLocks

Learn more about [Complex Deadlock](#)

No Complex Deadlocks found

Dead Lock

Learn more about [Deadlock](#)

No Deadlock found

Finalizer Thread

If finalizer thread is BLOCKED or WAITING for a prolonged period, it can result in OutOfMemoryError, to learn more visit [Leprechaun Trap pattern](#)

No problem with Finalizer Thread.

Exception

Threads throwing commonly known Exceptions/Errors are reported here. [Learn more](#)

No known exceptions are reported.

Bottom up Call Stack Tree

All threads stacktrace are combined in to one single tree. Learn [It's benefits](#).

Show Top Down call stack

(107) root

● (95) java.lang.Thread.run(Thread.java:748)

 (+ (38) java.util.concurrent.ThreadPoolExecutor\$Worker.run(ThreadPoolExecutor.java:624)

 (+ (34) org.apache.skywalking.apm.dependencies.io.netty.util.concurrent.FastThreadLocalRunnable.run(FastThreadLocalRunnable.java:30)

 (+ (16) org.apache.tomcat.util.threads.TaskThread\$WrappingRunnable.run(TaskThread.java:61)

 (+ (2) org.apache.kafka.clients.producer.internals.Sender.run(Sender.java:238)

 (+ (2) org.apache.tomcat.util.net.NioEndpoint\$Poller.run(NioEndpoint.java:793)

 (+ (1) org.apache.coyote.AbstractProtocol\$AsyncTimeout.run(AbstractProtocol.java:1133)

 (+ (1) org.apache.tomcat.util.net.NioEndpoint\$Acceptor.run(NioEndpoint.java:455)

 (+ (1) org.apache.catalina.core.ContainerBase\$ContainerBackgroundProcessor.run(ContainerBase.java:1357)

 (+ (2) ch.qos.logback.core.AsyncAppenderBase\$Worker.run(AsyncAppenderBase.java:289)

 (+ (2) java.util.concurrent.ArrayBlockingQueue.take(ArrayBlockingQueue.java:403)

 (+ (1) java.util.concurrent.ForkJoinWorkerThread.run(ForkJoinWorkerThread.java:157)

 (+ (1) java.util.concurrent.ForkJoinPool.runWorker(ForkJoinPool.java:1693)

 (+ (1) org.apache.tomcat.util.net.NioBlockingSelector\$BlockPoller.run(NioBlockingSelector.java:298)

 (+ (1) sun.nio.ch.SelectorImpl.select(SelectorImpl.java:97)

 (+ (1) org.springframework.boot.web.embedded.tomcat.TomcatWebServer\$1.run(TomcatWebServer.java:182)

 (+ (1) org.apache.catalina.core.StandardServer.await(StandardServer.java:427)

 (+ (1) java.util.TimerThread.run(Timer.java:505)

 (+ (1) java.util.TimerThread.mainLoop(Timer.java:552)

 (+ (1) net.sourceforge.jtds.util.TimerThread.run(TimerThread.java:115)

 (+ (1) java.lang.Object.wait(Native Method)

 (+ (1) com.mysql.cj.jdbc.AbandonedConnectionCleanupThread.run(AbandonedConnectionCleanupThread.java:43)

 (+ (1) java.lang.ref.ReferenceQueue.remove(ReferenceQueue.java:144)

 (+ (1) okio.AsyncTimeout\$Watchdog.run(AsyncTimeout.java:312)

 (+ (1) okio.AsyncTimeout.awaitTimeout(AsyncTimeout.java:347)

 (+ (1) org.apache.skywalking.apm.commons.datacarrier.consumer.ConsumerThread.run(ConsumerThread.java:55)

 (+ (1) java.lang.Thread.sleep(Native Method)

 (+ (1) java.lang.ref.Finalizer\$FinalizerThread.run(Finalizer.java:216)

 (+ (1) java.lang.ref.ReferenceQueue.remove(ReferenceQueue.java:165)

 (+ (1) java.lang.ref.Reference\$ReferenceHandler.run(Reference.java:153)

 (+ (1) java.lang.ref.Reference.tryHandlePending(Reference.java:191)

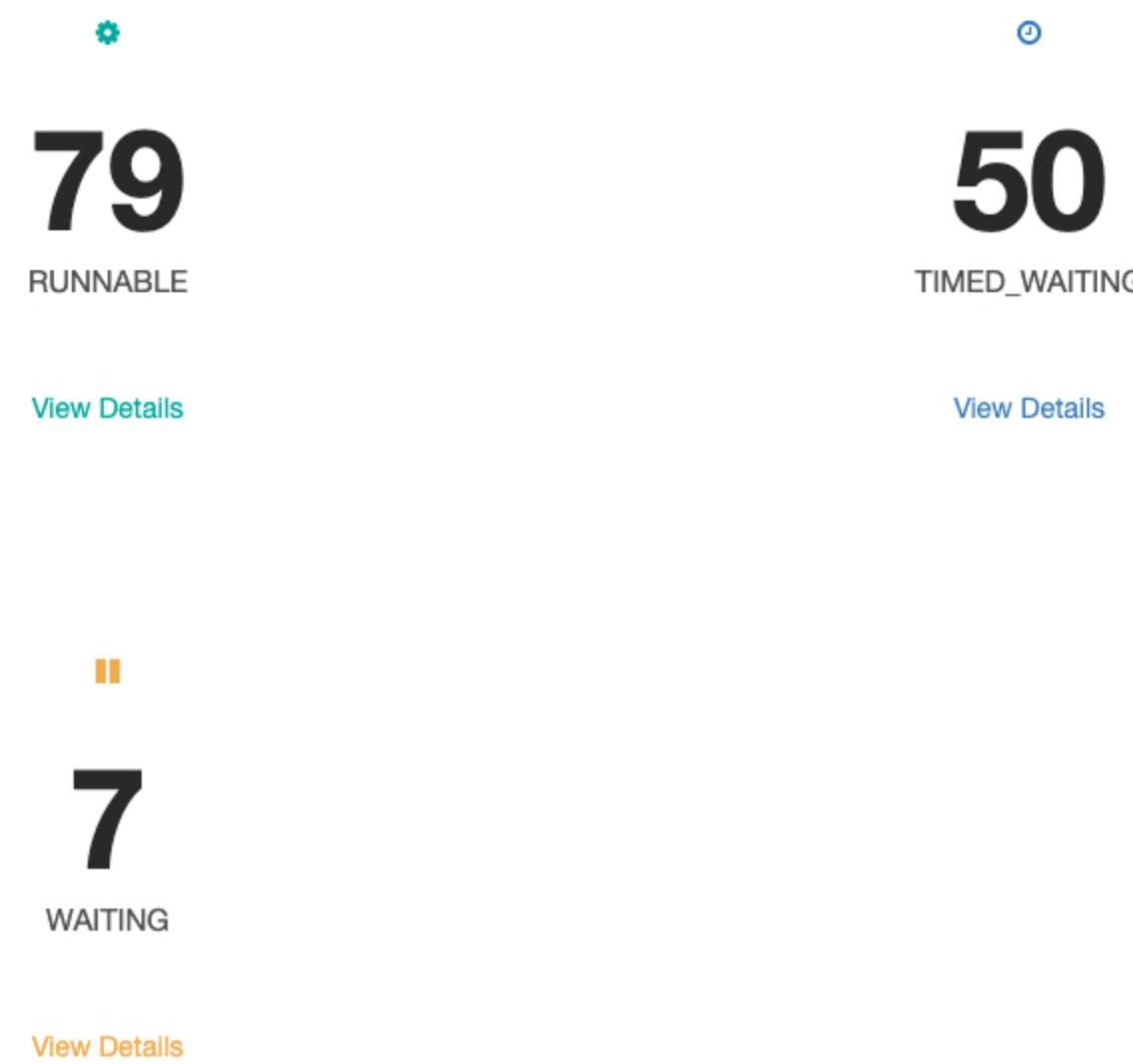
Thread Dump 2 - Intelligence Report

File: *jstack.tar (2).gz-3*

Thread Count Summary

To learn about different thread states through real-life example, check out this [video tutorial](#)

Total Threads count: 136



Thread Group

Threads with similar names are grouped in this section

Group	Count	Details
Group 1	10	View Details
Group 2	8	View Details
Group 3	5	View Details
Group 4	3	View Details
Group 5	2	View Details
Group 6	1	View Details

[Show all thread groups >>](#)

Daemon vs non-Daemon

Learn more about [daemon and non-daemon \(i.e. user threads\)](#)

116

DAEMON

[View Details](#)

20

NON-DAEMON

[View Details](#)

Threads Stack Length

Lengthy stacks can cause StackOverflowError. [Learn more](#)

Threads with identical stack trace

Threads with identical stack traces are grouped here. If lot of threads start to exhibit identical stack trace it might be a concern, learn [RSI Pattern](#)

Most used methods

Frequently executed methods are reported. If lot of threads executes same method, it may be a concern. Learn [All roads lead to Rome pattern](#)

[Show all methods >>](#)

CPU consuming threads

If application is consuming high CPU, investigate below threads. Learn [Athlete pattern](#)

Blocking Threads - Transitive Graph

Threads that block other threads are displayed here. Blocking threads makes application unresponsive, learn [Traffic Jam pattern](#)

No transitive blocks found

GC Threads

Garbage collection threads count reported. Learn [Scavengers pattern](#)

11
GC threads

[View Details](#)

Complex DeadLocks

Learn more about [Complex Deadlock](#)

No Complex Deadlocks found

Dead Lock

Learn more about [Deadlock](#)

No Deadlock found

Finalizer Thread

If finalizer thread is BLOCKED or WAITING for a prolonged period, it can result in OutOfMemoryError, to learn more visit [Leprechaun Trap pattern](#)

No problem with Finalizer Thread.

Exception

Threads throwing commonly known Exceptions/Errors are reported here. [Learn more](#)

No known exceptions are reported.

Bottom up Call Stack Tree

All threads stacktrace are combined in to one single tree. Learn [It's benefits](#).



```
+ (1) org.apache.catalina.core.ContainerBase$ContainerBackgroundProcessor.run(ContainerBase.java:1357)

(2) ch.qos.logback.core.AsyncAppenderBase$Worker.run(AsyncAppenderBase.java:290)
+ (2) ch.qos.logback.core.spi.AppenderAttachableImpl.appendLoopOnAppenders(AppenderAttachableImpl.java:51)

(1) java.util.concurrent.ForkJoinWorkerThread.run(ForkJoinWorkerThread.java:157)
+ (1) java.util.concurrent.ForkJoinPool.runWorker(ForkJoinPool.java:1693)

(1) org.apache.tomcat.util.net.NioBlockingSelector$BlockPoller.run(NioBlockingSelector.java:298)
+ (1) sun.nio.ch.SelectorImpl.select(SelectorImpl.java:97)

(1) org.springframework.boot.web.embedded.tomcat.TomcatWebServer$1.run(TomcatWebServer.java:182)
+ (1) org.apache.catalina.core.StandardServer.await(StandardServer.java:427)

(1) java.util.TimerThread.run(Timer.java:505)
+ (1) java.util.TimerThread.mainLoop(Timer.java:552)

(1) net.sourceforge.jtds.util.TimerThread.run(TimerThread.java:115)
+ (1) java.lang.Object.wait(Native Method)

(1) com.mysql.cj.jdbc.AbandonedConnectionCleanupThread.run(AbandonedConnectionCleanupThread.java:43)
+ (1) java.lang.ref.ReferenceQueue.remove(ReferenceQueue.java:144)

(1) okio.AsyncTimeout$Watchdog.run(AsyncTimeout.java:312)
+ (3) okio.AsyncTimeout.awaitTimeout(AsyncTimeout.java:361)

(1) org.apache.skywalking.apm.commons.datacarrier.consumer.ConsumerThread.run(ConsumerThread.java:55)
+ (1) java.lang.Thread.sleep(Native Method)

(1) java.lang.ref.Finalizer$FinalizerThread.run(Finalizer.java:216)
+ (1) java.lang.ref.ReferenceQueue.remove(ReferenceQueue.java:165)

(1) java.lang.ref.Reference$ReferenceHandler.run(Reference.java:153)
+ (1) java.lang.ref.Reference.tryHandlePending(Reference.java:191)
```

Thread Dump 3 - Intelligence Report

File: jstack.tar (2).gz-2

Thread Count Summary

To learn about different thread states through real-life example, check out this [video tutorial](#)

Total Threads count: 138





RUNNABLE



TIMED_WAITING

[View Details](#)

[View Details](#)



9

WAITING

[View Details](#)

Thread Group

Threads with similar names are grouped in this section

[Show all thread groups >>](#)

Daemon vs non-Daemon

Learn more about [daemon and non-daemon \(i.e. user threads\)](#)

118

DAEMON

[View Details](#)

20

NON-DAEMON

[View Details](#)

Threads with identical stack trace

Threads with identical stack traces are grouped here. If lot of threads start to exhibit identical stack trace it might be a concern, learn [RSI Patterns](#)

Most used methods

Frequently executed methods are reported. If lot of threads executes same method, it may be a concern. Learn [All roads lead to Rome pattern](#)

[Show all methods >>](#)

CPU consuming threads

If application is consuming high CPU, investigate below threads. Learn [Athlete pattern](#)

Blocking Threads - Transitive Graph

Threads that block other threads are displayed here. Blocking threads makes application unresponsive, learn [Traffic Jam pattern](#)

GC Threads

Garbage collection threads count reported. Learn [Scavengers pattern](#)


11
GC threads

[View Details](#)

GC thread count is normal

Threads Stack Length

Lengthy stacks can cause StackOverflowError. [Learn more](#)

No Problem in Stack trace length.

Complex DeadLocks

Learn more about [Complex Deadlock](#)

No Complex Deadlocks found

Dead Lock

Learn more about [Deadlock](#)

No Deadlock found

Finalizer Thread

If finalizer thread is BLOCKED or WAITING for a prolonged period, it can result in OutOfMemoryError, to learn more visit [Leprechaun Trap pattern](#)

- No problem with Finalizer Thread.

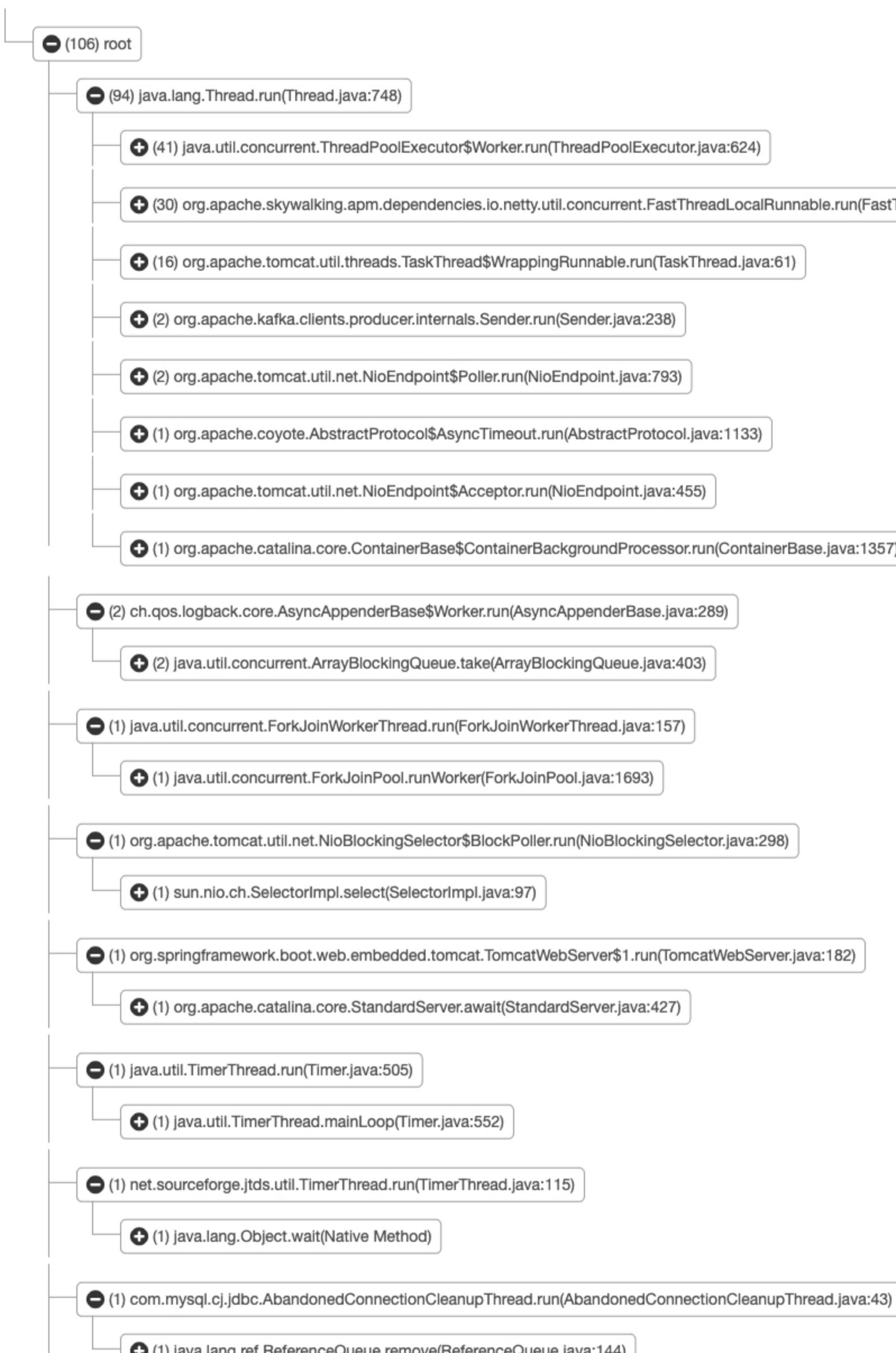
Exception

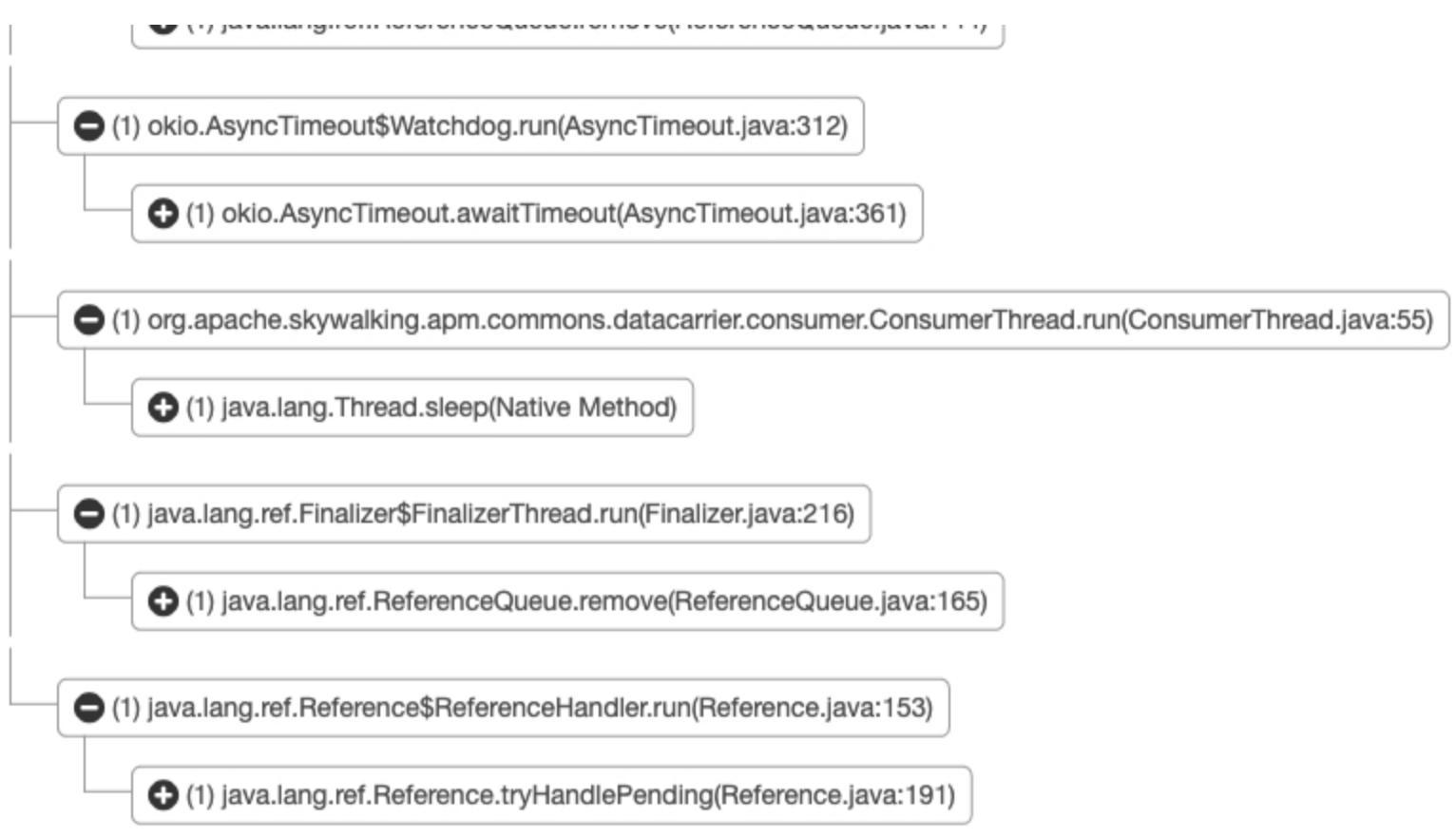
Threads throwing commonly known Exceptions/Errors are reported here. [Learn more](#)

- No known exceptions are reported.

Bottom up Call Stack Tree

All threads stacktrace are combined in to one single tree. Learn [It's benefits](#).





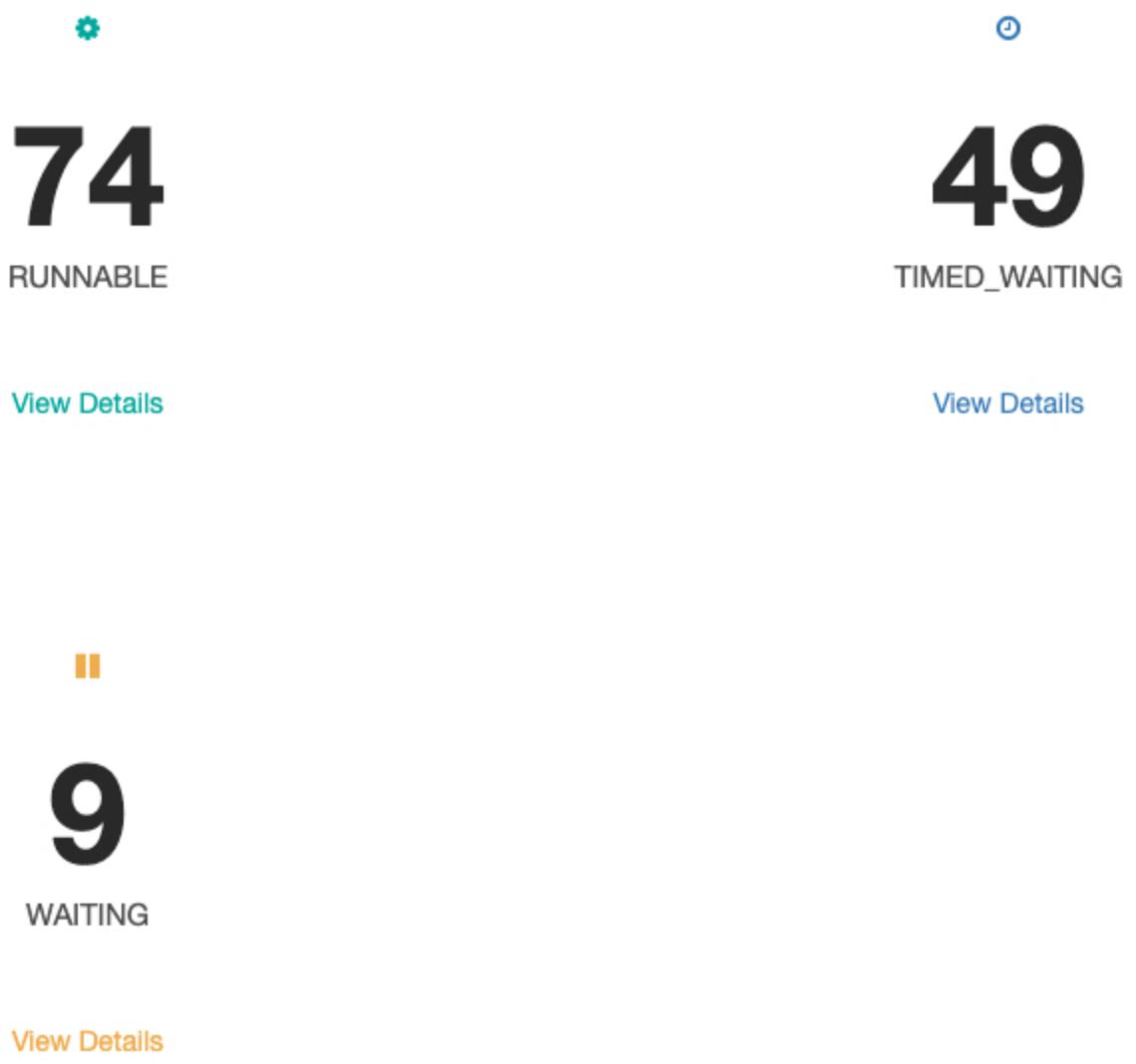
Thread Dump 4 - Intelligence Report

File: [jstack.tar \(2\).gz-1](#)

Thread Count Summary

To learn about different thread states through real-life example, check out this [video tutorial](#)

Total Threads count: 132



Thread Group

Threads with similar names are grouped in this section

[Show all thread groups >>](#)

Daemon vs non-Daemon

Learn more about [daemon and non-daemon \(i.e. user threads\)](#)

112

DAEMON

[View Details](#)

20

NON-DAEMON

[View Details](#)

Threads Stack Length

Lengthy stacks can cause StackOverflowError. [Learn more](#)

Threads with identical stack trace

Threads with identical stack traces are grouped here. If lot of threads start to exhibit identical stack trace it might be a concern, learn [RSI Pattern](#)

Most used methods

Frequently executed methods are reported. If lot of threads executes same method, it may be a concern. Learn [All roads lead to Rome pattern](#)

[Show all methods >>](#)

CPU consuming threads

If application is consuming high CPU, investigate below threads. Learn [Athlete pattern](#)

Blocking Threads - Transitive Graph

Threads that block other threads are displayed here. Blocking threads makes application unresponsive, learn [Traffic Jam pattern](#)

 No transitive blocks found

GC Threads

Garbage collection threads count reported. Learn [Scavengers pattern](#)



11

GC threads

[View Details](#)



GC thread count is normal

Complex DeadLocks

Learn more about [Complex Deadlock](#)



No Complex Deadlocks found

Dead Lock

Learn more about [Deadlock](#)



No Deadlock found

Finalizer Thread

If finalizer thread is BLOCKED or WAITING for a prolonged period, it can result in OutOfMemoryError, to learn more visit [Leprechaun Trap pattern](#)



No problem with Finalizer Thread.

Exception

Threads throwing commonly known Exceptions/Errors are reported here. [Learn more](#)



No known exceptions are reported.

Bottom up Call Stack Tree

All threads stacktrace are combined in to one single tree. Learn [It's benefits](#).

(100) root

(88) java.lang.Thread.run(Thread.java:748)

- + (39) java.util.concurrent.ThreadPoolExecutor\$Worker.run(ThreadPoolExecutor.java:624)
- + (26) org.apache.skywalking.apm.dependencies.io.netty.util.concurrent.FastThreadLocalRunnable.run(FastThreadLocalRunnable.java:30)
- + (16) org.apache.tomcat.util.threads.TaskThread\$WrappingRunnable.run(TaskThread.java:61)
- + (2) org.apache.kafka.clients.producer.internals.Sender.run(Sender.java:238)
- + (2) org.apache.tomcat.util.net.NioEndpoint\$Poller.run(NioEndpoint.java:793)
- + (1) org.apache.coyote.AbstractProtocol\$AsyncTimeout.run(AbstractProtocol.java:1133)
- + (1) org.apache.tomcat.util.net.NioEndpoint\$Acceptor.run(NioEndpoint.java:455)
- + (1) org.apache.catalina.core.ContainerBase\$ContainerBackgroundProcessor.run(ContainerBase.java:1357)

(2) ch.qos.logback.core.AsyncAppenderBase\$Worker.run(AsyncAppenderBase.java:289)

- + (2) java.util.concurrent.ArrayBlockingQueue.take(ArrayBlockingQueue.java:403)

(1) java.util.concurrent.ForkJoinWorkerThread.run(ForkJoinWorkerThread.java:157)

- + (1) java.util.concurrent.ForkJoinPool.runWorker(ForkJoinPool.java:1693)

(1) org.apache.tomcat.util.net.NioBlockingSelector\$BlockPoller.run(NioBlockingSelector.java:298)

- + (1) sun.nio.ch.SelectorImpl.select(SelectorImpl.java:97)

(1) org.springframework.boot.web.embedded.tomcat.TomcatWebServer\$1.run(TomcatWebServer.java:182)

- + (1) org.apache.catalina.core.StandardServer.await(StandardServer.java:427)

(1) java.util.TimerThread.run(Timer.java:505)

- + (1) java.util.TimerThread.mainLoop(Timer.java:552)

(1) net.sourceforge.jtds.util.TimerThread.run(TimerThread.java:115)

- + (1) java.lang.Object.wait(Native Method)

(1) com.mysql.cj.jdbc.AbandonedConnectionCleanupThread.run(AbandonedConnectionCleanupThread.java:43)

- + (1) java.lang.ref.ReferenceQueue.remove(ReferenceQueue.java:144)

(1) okio.AsyncTimeout\$Watchdog.run(AsyncTimeout.java:312)

- + (1) okio.AsyncTimeout.awaitTimeout(AsyncTimeout.java:361)

(1) org.apache.skywalking.apm.commons.datacarrier.consumer.ConsumerThread.run(ConsumerThread.java:55)

- + (1) java.lang.Thread.sleep(Native Method)

(1) java.lang.ref.Finalizer\$FinalizerThread.run(Finalizer.java:216)

- + (1) java.lang.ref.ReferenceQueue.remove(ReferenceQueue.java:165)

(1) java.lang.ref.Reference\$ReferenceHandler.run(Reference.java:153)

- + (1) java.lang.ref.Reference.tryHandlePending(Reference.java:191)