

Thread Dump - Intelligence Report

📄 File: *dump.out*

🕒 Timestamp: 2022-03-02 18:48:04

🏠 JVM Version: 64-Bit Server VM (25.191-b12 mixed mode)

Problems Detected



Our **machine learning (ML)** algorithms have detected problems in your application which may cause **application unresponsiveness**. To see the identified problems and recommended solutions, please [subscribe to our plan](#).

Select Plan

Thread Count Summary

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

Total Threads count: 175



99

WAITING

[View Details](#)



49

RUNNABLE

[View Details](#)



26

TIMED_WAITING

[View Details](#)

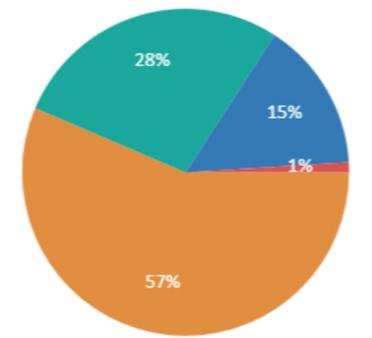


1

BLOCKED

[View Details](#)

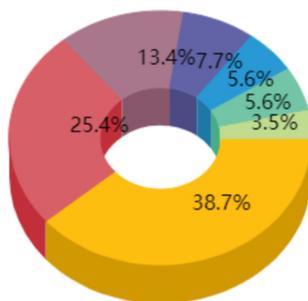
Thread state %



● WAITING ● RUNNABLE ● TIMED_WAITING ● BLOCKED

Thread Group

Threads with similar names are grouped in this section



•	Thread Group	Count	States
•	pulsar	55 threads	WAITING:21 ● TING:11 ● RUNNABLE: 22
•	amqp	36 threads	WAITING:31 ● TING:3
•	bookkeeper	19 threads	WAITING:14 ● TING:3
•	zk	11 threads	WAITING:11 ●
•	Gang worker	8 threads	RUNNABLE: 8 ●
•	broker	8 threads	WAITING:8 ●

[Show all thread groups >>](#)

Daemon vs non-Daemon

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



156

NON-DAEMON

[View Details](#)

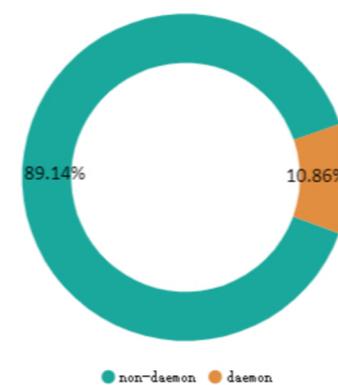


19

DAEMON

[View Details](#)

Daemon vs non-Daemon



org.apache.pulsar.client.impl.ProducerImpl is blocking 1 thread.

Blocking threads makes application unresponsive, learn [Traffic Jam pattern](#)

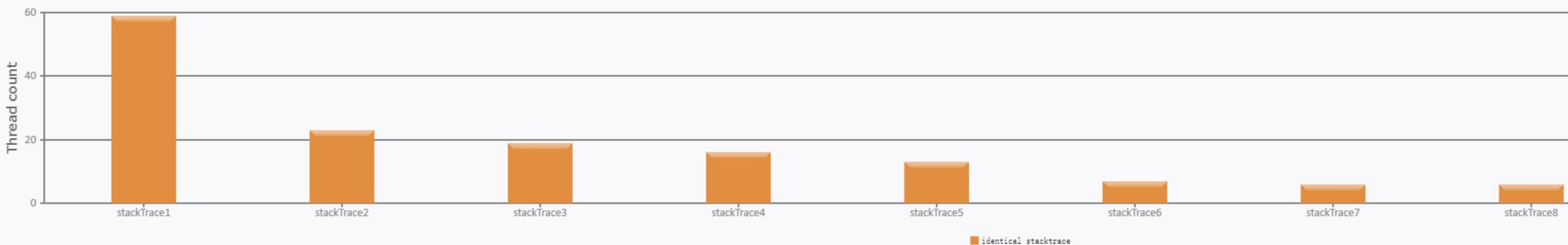
[How to understand this graph? Watch this video](#)

pulsar-client-io-57-14

pulsar-timer-60-1

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](#)



Thread Count	Identical Stack trace
59 WAITING threads	java.lang.Thread.State: WAITING (parking) at sun.misc.Unsafe.park(Native Method) - parking to wait for <0x00000000c14b0870> (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 .
23 WAITING threads	java.lang.Thread.State: WAITING (parking) at sun.misc.Unsafe.park(Native Method) - parking to wait for <0x00000000c311c6b8> (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 .
19 TIMED_WAITING threads	java.lang.Thread.State: TIMED_WAITING (parking) at sun.misc.Unsafe.park(Native Method) - parking to wait for <0x00000000c2ff8fc0> (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 .
16 RUNNABLE threads	stacktrace See complete stacktrace .
16 RUNNABLE threads	stacktrace See complete stacktrace .

13 RUNNABLE threads	<pre>java.lang.Thread.State: RUNNABLE at io.netty.channel.epoll.Native.epollWait0(Native Method) at io.netty.channel.epoll.Native.epollWait(Native.java:132) at io.netty.channel.epoll.EpollEventLoop.epollWait(EpollEventLoop.java:286) at io.netty.channel.epoll.EpollEventLoop.run(EpollEventLoop.java:351) ... See complete stacktrace.</pre>
7 RUNNABLE threads	<pre>java.lang.Thread.State: RUNNABLE at io.netty.channel.epoll.Native.epollWait(Native Method) at io.netty.channel.epoll.Native.epollWait(Native.java:148) at io.netty.channel.epoll.Native.epollWait(Native.java:141) at io.netty.channel.epoll.EpollEventLoop.epollWaitNoTimerChange(EpollEventLoop.java:290) ... See complete stacktrace.</pre>
6 RUNNABLE threads	<pre>java.lang.Thread.State: RUNNABLE See complete stacktrace.</pre>
6 WAITING threads	<pre>java.lang.Thread.State: WAITING (parking) at sun.misc.Unsafe.park(Native Method) - parking to wait for <0x00000000c2fef2d8> (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>
4 WAITING threads	<pre>java.lang.Thread.State: WAITING (parking) at sun.misc.Unsafe.park(Native Method) - parking to wait for <0x00000000c14dda28> (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>
4 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>

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
121 threads	sun.misc.Unsafe.park(Native Method). To see stack trace click here .	69% <div style="width: 69%;"></div>
13 threads	io.netty.channel.epoll.Native.epollWait0(Native Method). To see stack trace click here .	7% <div style="width: 7%;"></div>
7 threads	io.netty.channel.epoll.Native.epollWait(Native Method). To see stack trace click here .	4% <div style="width: 4%;"></div>
6 threads	sun.nio.ch.EPollArrayWrapper.epollWait(Native Method). To see stack trace click here .	3% <div style="width: 3%;"></div>
2 threads	java.lang.Object.wait(Native Method). To see stack trace click here .	1% <div style="width: 1%;"></div>

[Show all methods >>](#)

CPU consuming threads

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

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

GC Threads

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



15

GC Thread type	Count
G1 Concurrent Refinement Thread	5
Gang worker	8

