

AMQ-7452

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2020-03-26

Contents

Chapter 1

Root issue AMQ-7452

1.1 Summary

java.lang.IllegalStateException: Timer already cancelled.

1.2 Description

```
2020-03-24 12:54:47,990 | ERROR | Could not accept connection from tcp://10.0.1.5:41212 :
{} | org.apache.activemq.broker.TransportConnector | ActiveMQ BrokerService[localhost] Task-
174422020-03-24 12:54:47,990 | ERROR | Could not accept connection from tcp://10.0.1.5:41212
: {} | org.apache.activemq.broker.TransportConnector | ActiveMQ BrokerService[localhost] Task-
17442java.lang.IllegalStateException: Timer already cancelled. at java.util.Timer.sched(Timer.java:397)[:1.8.0_191]
at java.util.Timer.schedule(Timer.java:193)[:1.8.0_191] at org.apache.activemq.transport.AbstractInactivityMonitor.start
client-5.15.3.jar:5.15.3] at org.apache.activemq.transport.AbstractInactivityMonitor.startConnectCheckTask(AbstractIna
client-5.15.3.jar:5.15.3] at org.apache.activemq.transport.InactivityMonitor.start(InactivityMonitor.java:50)[activemq-
client-5.15.3.jar:5.15.3] at org.apache.activemq.transport.TransportFilter.start(TransportFilter.java:64)[activemq-
client-5.15.3.jar:5.15.3] at org.apache.activemq.transport.WireFormatNegotiator.start(WireFormatNegotiator.java:72)[act
client-5.15.3.jar:5.15.3] at org.apache.activemq.transport.TransportFilter.start(TransportFilter.java:64)[activemq-
client-5.15.3.jar:5.15.3] at org.apache.activemq.broker.TransportConnection.start(TransportConnection.java:1066)[active
broker-5.15.3.jar:5.15.3] at org.apache.activemq.broker.TransportConnector$1$1.run(TransportConnector.java:218)[active
broker-5.15.3.jar:5.15.3] at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)[:1.8.0_19
at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)[:1.8.0_191]
at java.lang.Thread.run(Thread.java:748)[:1.8.0_191]
```

1.3 Attachments

1. [activemq.xml](#)
2. [docker-mq.yaml](#)

1.4 Comments

1. **coheigea:** Please give more details about how to reproduce the stacktrace above.
2. **wangxiaoqing:** [WARN] 2020-06-01 19:35:01,069(657751246) --> [ActiveMQ Transport:
tcp://10.0.1.4:53714@61616] org.apache.activemq.broker.TransportConnection.serviceException(TransportConne
Async error occurred: java.lang.OutOfMemoryError: unable to create new native thread

```
[ERROR] 2020-06-01 20:31:57,675(661167852) --> [ActiveMQ BrokerService[localhost] Task-18608] org.apache.activemq.broker.TransportConnector$1.onAcceptError(TransportConnector.java:245): Could not accept connection from null : {} [ERROR] 2020-06-01 20:31:57,675(661167852) --> [ActiveMQ BrokerService[localhost] Task-18608] org.apache.activemq.broker.TransportConnector$1.onAcceptError(TransportConnector.java:245): Could not accept connection from null : {} java.lang.IllegalStateException: Timer already cancelled. at java.util.Timer.sched(Timer.java:397)[:1.8.0_191] at java.util.Timer.schedule(Timer.java:248)[:1.8.0_191] at org.apache.activemq.transport.mqtt.MQTTInactivityMonitor.startConnectChecker(MQTTInactivityMonitor.java:106) at org.apache.activemq.transport.mqtt.MQTTTransportFilter.start(MQTTTransportFilter.java:106) at org.apache.activemq.transport.mqtt.MQTTInactivityMonitor.start(MQTTInactivityMonitor.java:106) at org.apache.activemq.transport.TransportFilter.start(TransportFilter.java:64)[activemq-client-5.15.3.jar:5.15.3] at org.apache.activemq.broker.TransportConnection.start(TransportConnection.java:1066)[activemq-broker-5.15.3.jar:5.15.3] at org.apache.activemq.broker.TransportConnector$1$1.run(TransportConnector.java:218)[activemq-broker-5.15.3.jar:5.15.3] at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)[:1.8.0_191] at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)[:1.8.0_191]
```

3. **wangxiaoqing:** I have showed my latest error log and upload my config. please help me resolve this problem. Thank you!
4. **coheigea:** and how to reproduce the problem with the attached config?
5. **wangxiaoqing:** I don't know how to reproduce this problem. but it's happen so often and only happens in one of our environments, and I'm confused

I suspect that there are too many connections or too many messages in ActiveMQ.

6. **wangxiaoqing:** "MQTTInactivityMonitor Async Task: java.util.concurrent.ThreadPoolExecutor\$Worker@3992a0 = -1, empty queue]" #320435 daemon prio=5 os_prio=0 tid=0x00007f1018952800 nid=0xf590 waiting for monitor entry [0x00007f0f1e26e000]

```
java.lang.Thread.State: BLOCKED (on object monitor)
```

```
at org.apache.activemq.broker.TransportConnection.stopAsync(TransportConnection.java:1136)
```

```
- waiting to lock <0x00000000731d552e0> (a org.apache.activemq.broker.jmx.ManagedTransportConnection)
```

```
at org.apache.activemq.broker.jmx.ManagedTransportConnection.stopAsync(ManagedTransportConnection.java:60)
```

```
at org.apache.activemq.broker.TransportConnection.stopAsync(TransportConnection.java:1131)
```

```
at org.apache.activemq.broker.TransportConnection.serviceTransportException(TransportConnection.java:239)
```

```
at org.apache.activemq.broker.TransportConnection$1.onException(TransportConnection.java:210)
```

```
at org.apache.activemq.transport.TransportFilter.onException(TransportFilter.java:114)
```

```
at org.apache.activemq.transport.mqtt.MQTTInactivityMonitor.onException(MQTTInactivityMonitor.java:196)
```

```
at org.apache.activemq.transport.mqtt.MQTTInactivityMonitor$1$1.run(MQTTInactivityMonitor.java:81)
```

```
at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)
```

```
at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)
```

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

"MQTTInactivityMonitor Async Task: java.util.concurrent.ThreadPoolExecutor\$Worker@2bf53728[State = -1, empty queue]" #320402 daemon prio=5 os_prio=0 tid=0x00007f1018951800 nid=0xf56f waiting for monitor entry [0x00007f0f158e5000]

java.lang.Thread.State: BLOCKED (on object monitor)

at org.apache.activemq.broker.TransportConnection.stopAsync(TransportConnection.java:1136)

- waiting to lock <0x00000000731d12260> (a org.apache.activemq.broker.jmx.ManagedTransportConnection)

at org.apache.activemq.broker.jmx.ManagedTransportConnection.stopAsync(ManagedTransportConnection.java:60)

at org.apache.activemq.broker.TransportConnection.stopAsync(TransportConnection.java:1131)

at org.apache.activemq.broker.TransportConnection.serviceTransportException(TransportConnection.java:239)

at org.apache.activemq.broker.TransportConnection\$1.onException(TransportConnection.java:210)

at org.apache.activemq.transport.TransportFilter.onException(TransportFilter.java:114)

at org.apache.activemq.transport.mqtt.MQTTInactivityMonitor.onException(MQTTInactivityMonitor.java:196)

at org.apache.activemq.transport.mqtt.MQTTInactivityMonitor\$1\$1.run(MQTTInactivityMonitor.java:81)

at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)

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

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

7. **wangxiaoqing:** I find the jvm is not change now.

```
root@20e46520a908:/usr/local/java/bin# /usr/local/java/bin/jstat -gcutil 54
```

```
S0 S1 E O M CCS YGC YGCT FGC FGCT GCT
```

```
0.00 94.84 45.92 50.03 97.75 95.92 681 15.477 0 0.000 15.477
```

8. **mac.miklas:** I'm on 5.16.0 and getting it also sometimes - on client and on ActiveMQ as well.

```
1
2 Caused by: java.lang.IllegalStateException: Timer already cancelled.
3
4     at java.util.Timer.sched(Timer.java:397)
```

```

5
6         at java.util.Timer.schedule(Timer.java:248)
7
8         at org.apache.activemq.thread.Scheduler.executePeriodically(Scheduler.java
          :49)
9
10        at org.apache.activemq.broker.region.Topic.start(Topic.java:621)
11
12        at org.apache.activemq.broker.region.DestinationFilter.start(
          DestinationFilter.java:143)
13
14        at org.apache.activemq.broker.region.AbstractRegion.addDestination(
          AbstractRegion.java:161)
15
16        at org.apache.activemq.broker.region.RegionBroker.addDestination(
          RegionBroker.java:339)
17
18        at org.apache.activemq.broker.BrokerFilter.addDestination(BrokerFilter.java
          :174)
19
20        at org.apache.activemq.advisory.AdvisoryBroker.addDestination(
          AdvisoryBroker.java:244)

```

9. **freeraigedass:** i am getting this too.

my env: i am running activemq in a docker container. i get the errors in about a week after the start (happened two times already). there are 20-50 clients connected at all times. one of them "floods" several messages per second nonstop.

```
{{ERROR | Could not accept connection from tcp://192.168.1.238:55976 : {}}}
```

```
{{java.lang.IllegalStateException: Timer already cancelled.}}
```

```
{{ at java.util.Timer.sched(Timer.java:397)[:1.8.0_201]}}
```

```
{{ at java.util.Timer.schedule(Timer.java:248)[:1.8.0_201]}}
```

```
{{ at org.apache.activemq.transport.mqtt.MQTTInactivityMonitor.startConnectChecker(MQTTInactivityMonitor.java:148)[activemq-mqtt-5.15.6.jar:5.15.6]}}
```

```
{{ at org.apache.activemq.transport.mqtt.MQTTTransportFilter.start(MQTTTransportFilter.java:155)[activemq-mqtt-5.15.6.jar:5.15.6]}}
```

```
{{ at org.apache.activemq.transport.mqtt.MQTTInactivityMonitor.start(MQTTInactivityMonitor.java:148)[activemq-mqtt-5.15.6.jar:5.15.6]}}
```

```
{{ at org.apache.activemq.transport.TransportFilter.start(TransportFilter.java:64)[activemq-client-5.15.6.jar:5.15.6]}}
```

```
{{ at org.apache.activemq.broker.TransportConnection.start(TransportConnection.java:1066)[activemq-broker-5.15.6.jar:5.15.6]}}
```

```
broker-5.15.6.jar:5.15.6]}}
```

```
{ { at org.apache.activemq.broker.TransportConnector$1$1.run(TransportConnector.java:218)[activemq-  
broker-5.15.6.jar:5.15.6]}}
```

```
{ { at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149):1.8.0_201]}}
```

```
{ { at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624):1.8.0_201]}}
```

```
{ { at java.lang.Thread.run(Thread.java:748):1.8.0_201]}}
```

```
{ {ERROR | Could not accept connection from tcp://192.168.1.225:54107 : { }}}
```

10. **freeraigedas:** it crashed again, after about 3days only this time, not a week.

some more details:

the activemq server is running on raspberrypi. it is used by home-assistant.

the strange thing is that it is the same (5.15.6) which worked for at least a year without a crash, without restart. but i am using newer version of the client (upgraded home-assistant).

11. **jbonofre:** Do the broker and client use the same ActiveMQ version ?
12. **mac.miklas:** In my case yes
13. **jbonofre:** I guess it's OK if you disable the activity monitor on the transport connector. Correct ?
14. **mac.miklas:** I've never tried it, I not sure what side effect it would have..
15. **jbonofre:** That would be great if you can try. The only effect is potentiel long running connection (idle) which is not a big deal.
16. **mac.miklas:** How could I disable it?