

By: Nischal Sharma: 300023475

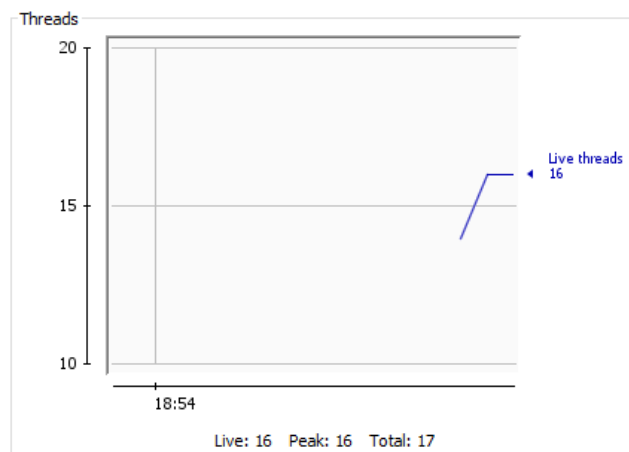
By: Nishchal Nepal: 300018661

JPS

```
C:\Users\Nischal>jps
14736 EchoServer
9636
9416 Jps
13692 ClientConsole
14556 ClientConsole
```

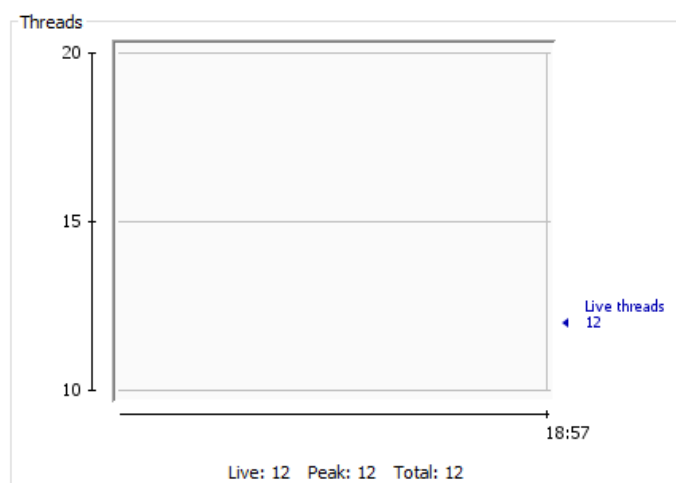
JConsole

EchoServer



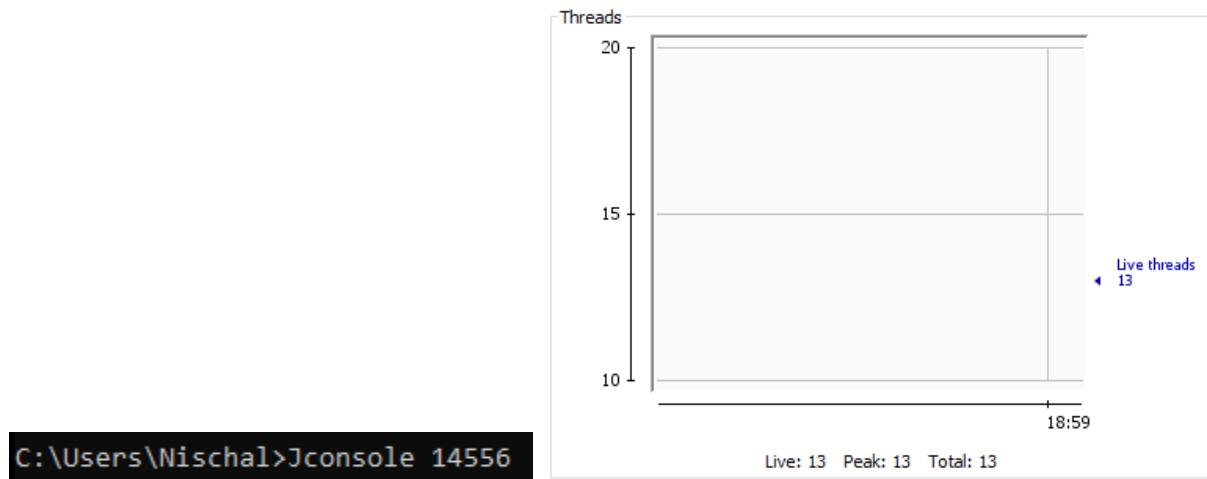
```
C:\Users\Nischal>Jconsole 14736
```

ClientConsole - 1



```
C:\Users\Nischal>Jconsole 13692
```

ClientConsole – 2



Followed by JStack in the next page.

Jstack

JStack for EchoServer

```
C:\Users\Nischal>jstack 14736
2018-10-27 18:52:51
Full thread dump Java HotSpot(TM) 64-Bit Server VM (25.181-b13 mixed mode):

"Thread-2" #14 prio=5 os_prio=0 tid=0x000000001f151800 nid=0x36b8 runnable [0x000000002067e000]
  java.lang.Thread.State: RUNNABLE
    at java.net.SocketInputStream.socketRead0(Native Method)
    at java.net.SocketInputStream.socketRead(SocketInputStream.java:116)
    at java.net.SocketInputStream.read(SocketInputStream.java:171)
    at java.net.SocketInputStream.read(SocketInputStream.java:141)
    at java.net.SocketInputStream.read(SocketInputStream.java:224)
    at java.io.ObjectInputStream$PeekInputStream.peek(ObjectInputStream.java:2641)
    at java.io.ObjectInputStream$BlockDataInputStream.peek(ObjectInputStream.java:2948)
    at java.io.ObjectInputStream$BlockDataInputStream.peekByte(ObjectInputStream.java:2958)
    at java.io.ObjectInputStream.readObject0(ObjectInputStream.java:1540)
    at java.io.ObjectInputStream.readObject(ObjectInputStream.java:431)
    at ocsf.server.ConnectionToClient.run(ConnectionToClient.java:213)

"Thread-1" #13 prio=5 os_prio=0 tid=0x000000001fc9c800 nid=0x28d4 runnable [0x000000002057e000]
  java.lang.Thread.State: RUNNABLE
    at java.net.SocketInputStream.socketRead0(Native Method)
    at java.net.SocketInputStream.socketRead(SocketInputStream.java:116)
    at java.net.SocketInputStream.read(SocketInputStream.java:171)
    at java.net.SocketInputStream.read(SocketInputStream.java:141)
    at java.net.SocketInputStream.read(SocketInputStream.java:224)
    at java.io.ObjectInputStream$PeekInputStream.peek(ObjectInputStream.java:2641)
    at java.io.ObjectInputStream$BlockDataInputStream.peek(ObjectInputStream.java:2948)
    at java.io.ObjectInputStream$BlockDataInputStream.peekByte(ObjectInputStream.java:2958)
    at java.io.ObjectInputStream.readObject0(ObjectInputStream.java:1540)
    at java.io.ObjectInputStream.readObject(ObjectInputStream.java:431)
    at ocsf.server.ConnectionToClient.run(ConnectionToClient.java:213)

"DestroyJavaVM" #12 prio=5 os_prio=0 tid=0x0000000003472800 nid=0x2230 waiting on condition [0x0000000000000000]
  java.lang.Thread.State: RUNNABLE

"Thread-0" #11 prio=5 os_prio=0 tid=0x000000001efbe000 nid=0x2448 runnable [0x000000001fc7e000]
  java.lang.Thread.State: RUNNABLE
    at java.net.DualStackPlainSocketImpl.waitForNewConnection(Native Method)
    at java.net.DualStackPlainSocketImpl.socketAccept(DualStackPlainSocketImpl.java:135)
    at java.net.AbstractPlainSocketImpl.accept(AbstractPlainSocketImpl.java:409)
    at java.net.PlainSocketImpl.accept(PlainSocketImpl.java:199)
    - locked <0x0000000076b3912d0> (a java.net.SocksSocketImpl)
    at java.net.ServerSocket.implAccept(ServerSocket.java:545)
    at java.net.ServerSocket.accept(ServerSocket.java:513)
    at ocsf.server.AbstractServer.run(AbstractServer.java:320)
    at java.lang.Thread.run(Thread.java:748)

"Service Thread" #10 daemon prio=9 os_prio=0 tid=0x000000001ef59800 nid=0xa34 runnable [0x0000000000000000]
  java.lang.Thread.State: RUNNABLE

"C1 CompilerThread3" #9 daemon prio=9 os_prio=2 tid=0x000000001eec3000 nid=0xb60 waiting on condition [0x0000000000000000]
  java.lang.Thread.State: RUNNABLE

"C2 CompilerThread2" #8 daemon prio=9 os_prio=2 tid=0x000000001eeb7800 nid=0x2e5c waiting on condition [0x0000000000000000]
  java.lang.Thread.State: RUNNABLE

"C2 CompilerThread1" #7 daemon prio=9 os_prio=2 tid=0x000000001eeb0000 nid=0x2330 waiting on condition [0x0000000000000000]
  java.lang.Thread.State: RUNNABLE

"C2 CompilerThread0" #6 daemon prio=9 os_prio=2 tid=0x000000001eeab000 nid=0x3440 waiting on condition [0x0000000000000000]
  java.lang.Thread.State: RUNNABLE
```

```

"Attach Listener" #5 daemon prio=5 os_prio=2 tid=0x00000001eeaa000 nid=0xb3c waiting on condition [0x0000000000000000]
  java.lang.Thread.State: RUNNABLE

"Signal Dispatcher" #4 daemon prio=9 os_prio=2 tid=0x00000001eea7000 nid=0x18ac runnable [0x0000000000000000]
  java.lang.Thread.State: RUNNABLE

"Finalizer" #3 daemon prio=8 os_prio=1 tid=0x000000003569800 nid=0x32d4 in Object.wait() [0x00000001f37e000]
  java.lang.Thread.State: WAITING (on object monitor)
    at java.lang.Object.wait(Native Method)
      - waiting on <0x000000076b308ed0> (a java.lang.ref.ReferenceQueue$Lock)
    at java.lang.ref.ReferenceQueue.remove(ReferenceQueue.java:144)
      - locked <0x000000076b308ed0> (a java.lang.ref.ReferenceQueue$Lock)
    at java.lang.ref.ReferenceQueue.remove(ReferenceQueue.java:165)
    at java.lang.ref.Finalizer$FinalizerThread.run(Finalizer.java:216)

"Reference Handler" #2 daemon prio=10 os_prio=2 tid=0x000000003568000 nid=0x3930 in Object.wait() [0x00000001ee7f000]
  java.lang.Thread.State: WAITING (on object monitor)
    at java.lang.Object.wait(Native Method)
      - waiting on <0x000000076b306bf8> (a java.lang.ref.Reference$Lock)
    at java.lang.Object.wait(Object.java:502)
    at java.lang.ref.Reference.tryHandlePending(Reference.java:191)
      - locked <0x000000076b306bf8> (a java.lang.ref.Reference$Lock)
    at java.lang.ref.Reference$ReferenceHandler.run(Reference.java:153)

"VM Thread" os_prio=2 tid=0x00000001cfa9000 nid=0x17ec runnable

"GC task thread#0 (ParallelGC)" os_prio=0 tid=0x000000003488000 nid=0x32e8 runnable

"GC task thread#1 (ParallelGC)" os_prio=0 tid=0x000000003489800 nid=0x2cac runnable

"GC task thread#2 (ParallelGC)" os_prio=0 tid=0x00000000348b000 nid=0x2c48 runnable

"GC task thread#3 (ParallelGC)" os_prio=0 tid=0x00000000348c800 nid=0x361c runnable

"GC task thread#4 (ParallelGC)" os_prio=0 tid=0x00000000348f000 nid=0x4ec runnable

"GC task thread#5 (ParallelGC)" os_prio=0 tid=0x000000003491000 nid=0x39ec runnable

"GC task thread#6 (ParallelGC)" os_prio=0 tid=0x000000003494000 nid=0x3b9c runnable

"GC task thread#7 (ParallelGC)" os_prio=0 tid=0x000000003495800 nid=0x9e8 runnable

"VM Periodic Task Thread" os_prio=2 tid=0x00000001ef5a800 nid=0x3b8c waiting on condition

JMI global references: 318

C:\Users\Nischal>

```

Total Running Threads = 16 Threads running and the rest are runnable

JStack for ClientConsole – 1

```
C:\Users\Nischal>JStack 13692
2018-10-27 19:00:38
Full thread dump Java HotSpot(TM) 64-Bit Server VM (25.181-b13 mixed mode):

"RMI Scheduler(0)" #15 daemon prio=5 os_prio=0 tid=0x00000001ee27000 nid=0x2008 waiting on condition [0x000000002102e000]
  java.lang.Thread.State: TIMED_WAITING (parking)
    at sun.misc.Unsafe.park(Native Method)
    - parking to wait for <0x0000000076b99d338> (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)
    at java.util.concurrent.ScheduledThreadPoolExecutor$DelayedWorkQueue.take(ScheduledThreadPoolExecutor.java:1093)
    at java.util.concurrent.ScheduledThreadPoolExecutor$DelayedWorkQueue.take(ScheduledThreadPoolExecutor.java:809)
    at java.util.concurrent.ThreadPoolExecutor.getTask(ThreadPoolExecutor.java:1074)
    at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1134)
    at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)
    at java.lang.Thread.run(Thread.java:748)

"RMI TCP Accept-0" #13 daemon prio=5 os_prio=0 tid=0x00000001ee12000 nid=0x1eb0 runnable [0x0000000020c2f000]
  java.lang.Thread.State: RUNNABLE
    at java.net.DualStackPlainSocketImpl.accept0(Native Method)
    at java.net.DualStackPlainSocketImpl.socketAccept(DualStackPlainSocketImpl.java:131)
    at java.net.AbstractPlainSocketImpl.accept(AbstractPlainSocketImpl.java:409)
    at java.net.PlainSocketImpl.accept(PlainSocketImpl.java:199)
    - locked <0x0000000076b9a3738> (a java.net.SocksSocketImpl)
    at java.net.ServerSocket.implAccept(ServerSocket.java:545)
    at java.net.ServerSocket.accept(ServerSocket.java:513)
    at sun.management.jmxremote.LocalRMIServerSocketFactory$1.accept(LocalRMIServerSocketFactory.java:52)
    at sun.rmi.transport.tcp.TCPTransport$AcceptLoop.executeAcceptLoop(TCPTransport.java:405)
    at sun.rmi.transport.tcp.TCPTransport$AcceptLoop.run(TCPTransport.java:377)
    at java.lang.Thread.run(Thread.java:748)

"Thread-0" #11 prio=5 os_prio=0 tid=0x00000001eff3800 nid=0x5a8 runnable [0x000000001fb2e000]
  java.lang.Thread.State: RUNNABLE
    at java.net.SocketInputStream.socketRead0(Native Method)
    at java.net.SocketInputStream.socketRead(SocketInputStream.java:116)
    at java.net.SocketInputStream.read(SocketInputStream.java:171)
    at java.net.SocketInputStream.read(SocketInputStream.java:141)
    at java.net.SocketInputStream.read(SocketInputStream.java:224)
    at java.io.ObjectInputStream$PeekInputStream.peek(ObjectInputStream.java:2641)
    at java.io.ObjectInputStream$BlockDataInputStream.peek(ObjectInputStream.java:2948)
    at java.io.ObjectInputStream$BlockDataInputStream.peekByte(ObjectInputStream.java:2958)
    at java.io.ObjectInputStream.readObject0(ObjectInputStream.java:1540)
    at java.io.ObjectInputStream.readObject(ObjectInputStream.java:431)
    at ocsf.client.AbstractClient.run(AbstractClient.java:242)
    at java.lang.Thread.run(Thread.java:748)

"Service Thread" #10 daemon prio=9 os_prio=0 tid=0x00000001ec61000 nid=0xab8 runnable [0x0000000000000000]
  java.lang.Thread.State: RUNNABLE

"C1 CompilerThread3" #9 daemon prio=9 os_prio=2 tid=0x00000001ec41800 nid=0x2144 waiting on condition [0x0000000000000000]
  java.lang.Thread.State: RUNNABLE

"C2 CompilerThread2" #8 daemon prio=9 os_prio=2 tid=0x00000001ec30800 nid=0x31e0 waiting on condition [0x0000000000000000]
  java.lang.Thread.State: RUNNABLE

"C2 CompilerThread1" #7 daemon prio=9 os_prio=2 tid=0x00000001ec2f800 nid=0x199c waiting on condition [0x0000000000000000]
  java.lang.Thread.State: RUNNABLE

"C2 CompilerThread0" #6 daemon prio=9 os_prio=2 tid=0x00000001ec2b000 nid=0x2cc8 waiting on condition [0x0000000000000000]
  java.lang.Thread.State: RUNNABLE

"Attach Listener" #5 daemon prio=5 os_prio=2 tid=0x00000001ec2a000 nid=0x2638 waiting on condition [0x0000000000000000]
```

```

"Attach Listener" #5 daemon prio=5 os_prio=2 tid=0x00000001ec2a000 nid=0x2638 waiting on condition [0x0000000000000000]
  java.lang.Thread.State: RUNNABLE

"Signal Dispatcher" #4 daemon prio=9 os_prio=2 tid=0x00000001ec29000 nid=0x1a64 runnable [0x0000000000000000]
  java.lang.Thread.State: RUNNABLE

"Finalizer" #3 daemon prio=8 os_prio=1 tid=0x000000003289800 nid=0x2404 in Object.wait() [0x00000001f0ff000]
  java.lang.Thread.State: WAITING (on object monitor)
    at java.lang.Object.wait(Native Method)
    - waiting on <0x000000076b308ed0> (a java.lang.ref.ReferenceQueue$Lock)
    at java.lang.ref.ReferenceQueue.remove(ReferenceQueue.java:144)
    - locked <0x000000076b308ed0> (a java.lang.ref.ReferenceQueue$Lock)
    at java.lang.ref.ReferenceQueue.remove(ReferenceQueue.java:165)
    at java.lang.ref.Finalizer$FinalizerThread.run(Finalizer.java:216)

"Reference Handler" #2 daemon prio=10 os_prio=2 tid=0x000000003288000 nid=0x3784 in Object.wait() [0x00000001ebff000]
  java.lang.Thread.State: WAITING (on object monitor)
    at java.lang.Object.wait(Native Method)
    - waiting on <0x000000076b306bf8> (a java.lang.ref.Reference$Lock)
    at java.lang.Object.wait(Object.java:502)
    at java.lang.ref.Reference.tryHandlePending(Reference.java:191)
    - locked <0x000000076b306bf8> (a java.lang.ref.Reference$Lock)
    at java.lang.ref.Reference$ReferenceHandler.run(Reference.java:153)

"main" #1 prio=5 os_prio=0 tid=0x000000003192800 nid=0x2028 runnable [0x00000000317f000]
  java.lang.Thread.State: RUNNABLE
    at java.io.FileInputStream.readBytes(Native Method)
    at java.io.FileInputStream.read(FileInputStream.java:255)
    at java.io.BufferedInputStream.read1(BufferedInputStream.java:284)
    at java.io.BufferedInputStream.read(BufferedInputStream.java:345)
    - locked <0x000000076b311538> (a java.io.BufferedInputStream)
    at sun.nio.cs.StreamDecoder.readBytes(StreamDecoder.java:284)
    at sun.nio.cs.StreamDecoder.implRead(StreamDecoder.java:326)
    at sun.nio.cs.StreamDecoder.read(StreamDecoder.java:178)
    - locked <0x000000076b64e1f0> (a java.io.InputStreamReader)
    at java.io.InputStreamReader.read(InputStreamReader.java:184)
    at java.io.BufferedReader.fill(BufferedReader.java:161)
    at java.io.BufferedReader.readLine(BufferedReader.java:324)
    - locked <0x000000076b64e1f0> (a java.io.InputStreamReader)
    at java.io.BufferedReader.readLine(BufferedReader.java:389)
    at ClientConsole.accept(ClientConsole.java:82)
    at ClientConsole.main(ClientConsole.java:131)

"VM Thread" os_prio=2 tid=0x00000001cd39000 nid=0x2318 runnable

"GC task thread#0 (ParallelGC)" os_prio=0 tid=0x0000000031a8000 nid=0x92c runnable

"GC task thread#1 (ParallelGC)" os_prio=0 tid=0x0000000031a9800 nid=0x3a18 runnable

"GC task thread#2 (ParallelGC)" os_prio=0 tid=0x0000000031ab000 nid=0xf98 runnable

"GC task thread#3 (ParallelGC)" os_prio=0 tid=0x0000000031ac800 nid=0x1958 runnable

"GC task thread#4 (ParallelGC)" os_prio=0 tid=0x0000000031af000 nid=0x3134 runnable

"GC task thread#5 (ParallelGC)" os_prio=0 tid=0x0000000031b1000 nid=0x3944 runnable

"GC task thread#6 (ParallelGC)" os_prio=0 tid=0x0000000031b4000 nid=0xcc8 runnable

"GC task thread#7 (ParallelGC)" os_prio=0 tid=0x0000000031b5800 nid=0x328c runnable

```

```

"VM Periodic Task Thread" os_prio=2 tid=0x00000001ec62000 nid=0x36a4 waiting on condition

JNI global references: 332

C:\Users\Nischal>_

```

Total running threads = 12 and the rest are runnable

Jstack for ClientConsole – 2

```
C:\Users\Wischal>jstack 14556
2018-10-27 19:02:36
Full thread dump Java HotSpot(TM) 64-Bit Server VM (25.181-b13 mixed mode):

"RMI Scheduler(0)" #15 daemon prio=5 os_prio=0 tid=0x00000001ec29800 nid=0x2030 waiting on condition [0x000000020e1e000]
  java.lang.Thread.State: TIMED_WAITING (parking)
    at sun.misc.Unsafe.park(Native Method)
    - parking to wait for <0x000000076b99d338> (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)
    at java.util.concurrent.ScheduledThreadPoolExecutor$DelayedWorkQueue.take(ScheduledThreadPoolExecutor.java:1093)
    at java.util.concurrent.ScheduledThreadPoolExecutor$DelayedWorkQueue.take(ScheduledThreadPoolExecutor.java:809)
    at java.util.concurrent.ThreadPoolExecutor.getTask(ThreadPoolExecutor.java:1074)
    at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1134)
    at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)
    at java.lang.Thread.run(Thread.java:748)

"RMI TCP Accept-0" #13 daemon prio=5 os_prio=0 tid=0x00000001ec99000 nid=0x2ee8 runnable [0x000000020a1e000]
  java.lang.Thread.State: RUNNABLE
    at java.net.DualStackPlainSocketImpl.accept0(Native Method)
    at java.net.DualStackPlainSocketImpl.socketAccept(DualStackPlainSocketImpl.java:131)
    at java.net.AbstractPlainSocketImpl.accept(AbstractPlainSocketImpl.java:409)
    at java.net.PlainSocketImpl.accept(PlainSocketImpl.java:199)
    - locked <0x000000076b9a3738> (a java.net.SocksSocketImpl)
    at java.net.ServerSocket.implAccept(ServerSocket.java:545)
    at java.net.ServerSocket.accept(ServerSocket.java:513)
    at sun.management.jmxremote.LocalRMIServerSocketFactory$1.accept(LocalRMIServerSocketFactory.java:52)
    at sun.rmi.transport.tcp.TCPTransport$AcceptLoop.executeAcceptLoop(TCPTransport.java:405)
    at sun.rmi.transport.tcp.TCPTransport$AcceptLoop.run(TCPTransport.java:377)
    at java.lang.Thread.run(Thread.java:748)

"Thread-0" #11 prio=5 os_prio=0 tid=0x00000001fc32800 nid=0x323c runnable [0x00000002051e000]
  java.lang.Thread.State: RUNNABLE
    at java.net.SocketInputStream.socketRead0(Native Method)
    at java.net.SocketInputStream.socketRead(SocketInputStream.java:116)
    at java.net.SocketInputStream.read(SocketInputStream.java:171)
    at java.net.SocketInputStream.read(SocketInputStream.java:141)
    at java.net.SocketInputStream.read(SocketInputStream.java:224)
    at java.io.ObjectInputStream$PeekInputStream.peek(ObjectInputStream.java:2641)
    at java.io.ObjectInputStream$BlockDataInputStream.peek(ObjectInputStream.java:2948)
    at java.io.ObjectInputStream$BlockDataInputStream.peekByte(ObjectInputStream.java:2958)
    at java.io.ObjectInputStream.readObject0(ObjectInputStream.java:1540)
    at java.io.ObjectInputStream.readObject(ObjectInputStream.java:431)
    at ocsf.client.AbstractClient.run(AbstractClient.java:242)
    at java.lang.Thread.run(Thread.java:748)

"Service Thread" #10 daemon prio=9 os_prio=0 tid=0x00000001eac0000 nid=0x1db0 runnable [0x000000000000000]
  java.lang.Thread.State: RUNNABLE

"C1 CompilerThread3" #9 daemon prio=9 os_prio=2 tid=0x00000001ea2e000 nid=0x2be0 waiting on condition [0x000000000000000]
  java.lang.Thread.State: RUNNABLE

"C2 CompilerThread2" #8 daemon prio=9 os_prio=2 tid=0x00000001ea27000 nid=0x3228 waiting on condition [0x000000000000000]
  java.lang.Thread.State: RUNNABLE

"C2 CompilerThread1" #7 daemon prio=9 os_prio=2 tid=0x00000001ea19800 nid=0x210c waiting on condition [0x000000000000000]
  java.lang.Thread.State: RUNNABLE

"C2 CompilerThread0" #6 daemon prio=9 os_prio=2 tid=0x00000001ea15000 nid=0x2074 waiting on condition [0x000000000000000]
  java.lang.Thread.State: RUNNABLE
```



```

"Attach Listener" #5 daemon prio=5 os_prio=2 tid=0x00000001ea26000 nid=0x1018 waiting on condition [0x0000000000000000]
  java.lang.Thread.State: RUNNABLE

"Signal Dispatcher" #4 daemon prio=9 os_prio=2 tid=0x00000001ea25000 nid=0x265c runnable [0x0000000000000000]
  java.lang.Thread.State: RUNNABLE

"Finalizer" #3 daemon prio=8 os_prio=1 tid=0x00000001cb23800 nid=0x2c30 in Object.wait() [0x00000001eeee000]
  java.lang.Thread.State: WAITING (on object monitor)
    at java.lang.Object.wait(Native Method)
    - waiting on <0x000000076b308ed0> (a java.lang.ref.ReferenceQueue$Lock)
    at java.lang.ref.ReferenceQueue.remove(ReferenceQueue.java:144)
    - locked <0x000000076b308ed0> (a java.lang.ref.ReferenceQueue$Lock)
    at java.lang.ref.ReferenceQueue.remove(ReferenceQueue.java:165)
    at java.lang.ref.Finalizer$FinalizerThread.run(Finalizer.java:216)

"Reference Handler" #2 daemon prio=10 os_prio=2 tid=0x00000001cb1c800 nid=0x33e4 in Object.wait() [0x00000001e9ef000]
  java.lang.Thread.State: WAITING (on object monitor)
    at java.lang.Object.wait(Native Method)
    - waiting on <0x000000076b306bf8> (a java.lang.ref.Reference$Lock)
    at java.lang.Object.wait(Object.java:502)
    at java.lang.ref.Reference.tryHandlePending(Reference.java:191)
    - locked <0x000000076b306bf8> (a java.lang.ref.Reference$Lock)
    at java.lang.ref.Reference$ReferenceHandler.run(Reference.java:153)

"main" #1 prio=5 os_prio=0 tid=0x000000002fe2800 nid=0x1da8 runnable [0x000000002fde000]
  java.lang.Thread.State: RUNNABLE
    at java.io.FileInputStream.readBytes(Native Method)
    at java.io.FileInputStream.read(FileInputStream.java:255)
    at java.io.BufferedInputStream.read1(BufferedInputStream.java:284)
    at java.io.BufferedInputStream.read(BufferedInputStream.java:345)
    - locked <0x000000076b311538> (a java.io.BufferedInputStream)
    at sun.nio.cs.StreamDecoder.readBytes(StreamDecoder.java:284)
    at sun.nio.cs.StreamDecoder.implRead(StreamDecoder.java:326)
    at sun.nio.cs.StreamDecoder.read(StreamDecoder.java:178)
    - locked <0x000000076b64e1f0> (a java.io.InputStreamReader)
    at java.io.InputStreamReader.read(InputStreamReader.java:184)
    at java.io.BufferedReader.fill(BufferedReader.java:161)
    at java.io.BufferedReader.readLine(BufferedReader.java:324)
    - locked <0x000000076b64e1f0> (a java.io.InputStreamReader)
    at java.io.BufferedReader.readLine(BufferedReader.java:389)
    at ClientConsole.accept(ClientConsole.java:82)
    at ClientConsole.main(ClientConsole.java:131)

"VM Thread" os_prio=2 tid=0x00000001cb19000 nid=0x38f0 runnable

"GC task thread#0 (ParallelGC)" os_prio=0 tid=0x000000002ff8000 nid=0x20f0 runnable

"GC task thread#1 (ParallelGC)" os_prio=0 tid=0x000000002ff9800 nid=0x2b8c runnable

"GC task thread#2 (ParallelGC)" os_prio=0 tid=0x000000002ffb000 nid=0x309c runnable

"GC task thread#3 (ParallelGC)" os_prio=0 tid=0x000000002ffc800 nid=0x3508 runnable

"GC task thread#4 (ParallelGC)" os_prio=0 tid=0x000000002fff000 nid=0x1f5c runnable

"GC task thread#5 (ParallelGC)" os_prio=0 tid=0x000000003001000 nid=0x1c48 runnable

"GC task thread#6 (ParallelGC)" os_prio=0 tid=0x000000003004000 nid=0x37d8 runnable

"GC task thread#7 (ParallelGC)" os_prio=0 tid=0x000000003005800 nid=0x21f0 runnable

"VM Periodic Task Thread" os_prio=2 tid=0x00000001ea52000 nid=0x3a58 waiting on condition

JNI global references: 332

```

Total Running Threads = 13 and the rest are runnable but not used

Netstat -aon

C:\Users\Nischal>netstat -aon

Active Connections

Proto	Local Address	Foreign Address	State	PID
TCP	0.0.0.0:135	0.0.0.0:0	LISTENING	1172
TCP	0.0.0.0:445	0.0.0.0:0	LISTENING	4
TCP	0.0.0.0:5040	0.0.0.0:0	LISTENING	692
TCP	0.0.0.0:7680	0.0.0.0:0	LISTENING	10136
TCP	0.0.0.0:7878	0.0.0.0:0	LISTENING	14736
TCP	0.0.0.0:49664	0.0.0.0:0	LISTENING	900
TCP	0.0.0.0:49665	0.0.0.0:0	LISTENING	1612
TCP	0.0.0.0:49666	0.0.0.0:0	LISTENING	2064
TCP	0.0.0.0:49667	0.0.0.0:0	LISTENING	3396
TCP	0.0.0.0:49676	0.0.0.0:0	LISTENING	976
TCP	0.0.0.0:49679	0.0.0.0:0	LISTENING	992
TCP	0.0.0.0:51971	0.0.0.0:0	LISTENING	14736
TCP	0.0.0.0:51979	0.0.0.0:0	LISTENING	13692
TCP	0.0.0.0:51989	0.0.0.0:0	LISTENING	14556
TCP	127.0.0.1:5354	0.0.0.0:0	LISTENING	4088
TCP	127.0.0.1:6463	0.0.0.0:0	LISTENING	4512
TCP	127.0.0.1:7878	127.0.0.1:51870	ESTABLISHED	14736
TCP	127.0.0.1:7878	127.0.0.1:51871	ESTABLISHED	14736
TCP	127.0.0.1:27060	0.0.0.0:0	LISTENING	1684
TCP	127.0.0.1:49775	127.0.0.1:65001	ESTABLISHED	3824
TCP	127.0.0.1:49923	0.0.0.0:0	LISTENING	11948
TCP	127.0.0.1:49923	127.0.0.1:49938	ESTABLISHED	11948
TCP	127.0.0.1:49938	127.0.0.1:49923	ESTABLISHED	6664
TCP	127.0.0.1:51870	127.0.0.1:7878	ESTABLISHED	14556
TCP	127.0.0.1:51871	127.0.0.1:7878	ESTABLISHED	13692
TCP	127.0.0.1:65000	0.0.0.0:0	LISTENING	3824
TCP	127.0.0.1:65001	0.0.0.0:0	LISTENING	3824
TCP	127.0.0.1:65001	127.0.0.1:49775	ESTABLISHED	3824
TCP	192.168.2.10:139	0.0.0.0:0	LISTENING	4
TCP	192.168.2.10:49832	52.173.28.179:443	ESTABLISHED	3752
TCP	192.168.2.10:49879	104.16.59.37:443	ESTABLISHED	14760
TCP	192.168.2.10:49934	64.233.183.125:5222	ESTABLISHED	5868
TCP	192.168.2.10:49935	172.217.1.10:443	CLOSE_WAIT	5868
TCP	192.168.2.10:49942	172.217.1.10:443	CLOSE_WAIT	5868
TCP	192.168.2.10:49951	8.36.113.113:443	ESTABLISHED	6664
TCP	192.168.2.10:49997	173.194.204.188:5228	ESTABLISHED	12328
TCP	192.168.2.10:50088	184.26.179.51:443	CLOSE_WAIT	7816
TCP	192.168.2.10:50089	184.26.179.51:443	CLOSE_WAIT	7816
TCP	192.168.2.10:50090	184.26.179.51:443	CLOSE_WAIT	7816
TCP	192.168.2.10:50091	184.26.179.51:443	CLOSE_WAIT	7816
TCP	192.168.2.10:50093	184.26.179.136:80	CLOSE_WAIT	7816
TCP	192.168.2.10:50094	184.26.179.136:80	CLOSE_WAIT	7816
TCP	192.168.2.10:50096	184.26.179.136:80	CLOSE_WAIT	7816
TCP	192.168.2.10:50097	184.26.179.136:80	CLOSE_WAIT	7816
TCP	192.168.2.10:50098	184.150.158.19:443	CLOSE_WAIT	7816
TCP	192.168.2.10:50101	184.26.179.136:80	CLOSE_WAIT	7816
TCP	192.168.2.10:50102	184.26.179.136:80	CLOSE_WAIT	7816
TCP	192.168.2.10:50255	157.240.18.15:443	ESTABLISHED	12328
TCP	192.168.2.10:50260	157.240.18.15:443	ESTABLISHED	12328
TCP	192.168.2.10:50649	174.139.78.106:442	ESTABLISHED	10212
TCP	192.168.2.10:51070	172.217.13.205:443	CLOSE_WAIT	5868
TCP	192.168.2.10:51156	184.26.179.136:443	CLOSE_WAIT	12260
TCP	192.168.2.10:51157	184.26.179.136:443	CLOSE_WAIT	12260
TCP	192.168.2.10:51708	172.217.13.173:443	CLOSE_WAIT	5868
TCP	192.168.2.10:51711	172.217.13.202:443	CLOSE_WAIT	5868
TCP	192.168.2.10:51770	172.217.13.202:443	CLOSE_WAIT	5868
TCP	192.168.2.10:51801	172.217.13.202:443	CLOSE_WAIT	5868
TCP	192.168.2.10:51807	172.217.13.202:443	CLOSE_WAIT	5868

TCP	192.168.2.10:51889	209.135.140.102:443	CLOSE_WAIT	9636
TCP	192.168.2.10:51894	34.197.242.5:443	ESTABLISHED	12328
TCP	192.168.2.10:51906	23.38.129.45:443	CLOSE_WAIT	12328
TCP	192.168.2.10:51907	151.101.22.220:443	ESTABLISHED	12328
TCP	192.168.2.10:51909	184.24.145.92:443	CLOSE_WAIT	12328
TCP	192.168.2.10:51915	184.24.145.92:443	CLOSE_WAIT	12328
TCP	192.168.2.10:51916	184.24.145.92:443	CLOSE_WAIT	12328
TCP	192.168.2.10:51917	184.24.145.92:443	CLOSE_WAIT	12328
TCP	192.168.2.10:51918	151.101.22.2:443	ESTABLISHED	12328
TCP	192.168.2.10:51921	151.101.20.175:443	ESTABLISHED	12328
TCP	192.168.2.10:51923	151.101.20.175:443	ESTABLISHED	12328
TCP	192.168.2.10:51930	184.29.125.197:443	CLOSE_WAIT	12328
TCP	192.168.2.10:51934	208.185.50.35:443	ESTABLISHED	12328
TCP	192.168.2.10:51939	151.101.22.49:443	ESTABLISHED	12328
TCP	192.168.2.10:51952	23.34.197.109:443	CLOSE_WAIT	12328
TCP	192.168.2.10:52000	54.186.198.176:80	CLOSE_WAIT	2808
TCP	192.168.2.10:52001	184.24.145.175:80	ESTABLISHED	2808
TCP	:::135	:::0	LISTENING	1172
TCP	:::445	:::0	LISTENING	4
TCP	:::7680	:::0	LISTENING	10136
TCP	:::7878	:::0	LISTENING	14736
TCP	:::49664	:::0	LISTENING	900
TCP	:::49665	:::0	LISTENING	1612
TCP	:::49666	:::0	LISTENING	2064
TCP	:::49667	:::0	LISTENING	3396
TCP	:::49676	:::0	LISTENING	976
TCP	:::49679	:::0	LISTENING	992
TCP	:::51971	:::0	LISTENING	14736
TCP	:::51979	:::0	LISTENING	13692
TCP	:::51989	:::0	LISTENING	14556
UDP	0.0.0.0:123	*.*		3952
UDP	0.0.0.0:500	*.*		3800
UDP	0.0.0.0:4500	*.*		3800
UDP	0.0.0.0:5050	*.*		692
UDP	0.0.0.0:5353	*.*		12328
UDP	0.0.0.0:5353	*.*		12328
UDP	0.0.0.0:5353	*.*		2520
UDP	0.0.0.0:5355	*.*		2520
UDP	0.0.0.0:27036	*.*		1684
UDP	0.0.0.0:50169	*.*		4088
UDP	0.0.0.0:53110	*.*		3824
UDP	0.0.0.0:61024	*.*		12328
UDP	0.0.0.0:61158	*.*		10588
UDP	0.0.0.0:64239	*.*		1684
UDP	127.0.0.1:1900	*.*		5412
UDP	127.0.0.1:48601	*.*		11948
UDP	127.0.0.1:50171	*.*		4404
UDP	127.0.0.1:54998	*.*		8136
UDP	127.0.0.1:55316	*.*		6664
UDP	127.0.0.1:55317	*.*		11948
UDP	127.0.0.1:56805	*.*		11948
UDP	127.0.0.1:56806	*.*		2372
UDP	127.0.0.1:58181	*.*		13016
UDP	127.0.0.1:60354	*.*		11948
UDP	127.0.0.1:60355	*.*		11948
UDP	127.0.0.1:60356	*.*		11948
UDP	127.0.0.1:62797	*.*		5412
UDP	127.0.0.1:64825	*.*		3824
UDP	127.0.0.1:64826	*.*		3824
UDP	127.0.0.1:64827	*.*		3824

```

UDP    127.0.0.1:65000      *:*                3824
UDP    192.168.2.10:137   *:*                4
UDP    192.168.2.10:138   *:*                4
UDP    192.168.2.10:1900 *:*                5412
UDP    192.168.2.10:2177 *:*                8744
UDP    192.168.2.10:5353 *:*                3824
UDP    192.168.2.10:5353 *:*                4088
UDP    192.168.2.10:62796 *:*                5412
UDP    [::]:123            *:*                3952
UDP    [::]:500            *:*                3800
UDP    [::]:4500           *:*                3800
UDP    [::]:5353           *:*                12328
UDP    [::]:5353           *:*                2520
UDP    [::]:5355           *:*                2520
UDP    [::]:27036          *:*                1684
UDP    [::]:50170          *:*                4088
UDP    [::]:53111          *:*                3824
UDP    [::]:61158          *:*                10588
UDP    [::1]:1900          *:*                5412
UDP    [::1]:5353          *:*                3824
UDP    [::1]:5353          *:*                4088
UDP    [::1]:62795         *:*                5412
UDP    [fe80::4905:6e09:588e:fd00%7]:1900 *:*                5412
UDP    [fe80::4905:6e09:588e:fd00%7]:2177 *:*                8744
UDP    [fe80::4905:6e09:588e:fd00%7]:62794 *:*                5412
C:\Users\Nischal>

```

The ones used by the server are <PID>

14736 Server

13692 ClientConsole -1

14556 ClinetConsole -2

Finding the necessary <PID> above:

TCP	[::]:51971	[::]:0	LISTENING	14736
TCP	0.0.0.0:51971	0.0.0.0:0	LISTENING	14736
TCP	0.0.0.0:7878	0.0.0.0:0	LISTENING	14736
TCP	127.0.0.1:7878	127.0.0.1:51870	ESTABLISHED	14736
TCP	127.0.0.1:7878	127.0.0.1:51871	ESTABLISHED	14736
TCP	0.0.0.0:51979	0.0.0.0:0	LISTENING	13692
TCP	127.0.0.1:51871	127.0.0.1:7878	ESTABLISHED	13692
TCP	0.0.0.0:51989	0.0.0.0:0	LISTENING	14556
TCP	127.0.0.1:51870	127.0.0.1:7878	ESTABLISHED	14556
TCP	[::]:51979	[::]:0	LISTENING	13692
TCP	[::]:51989	[::]:0	LISTENING	14556