Devoir 2 parti 1: OCSF

autumn 2018
École de Génie logiciel
L'université D'Ottawa
Professor: Dr. Miguel A. Garzón

Khang Nguyen 300007277

Submission Date: September 28 2018

```
              - None

"C2 CompilerThread0" #6 daemon prio=9 os_prio=2 tid=0x000000001eaf9800 nid=0x29f4 waiting on condition [0x0000000000000000]
   java.lang.Thread.State: RUNNABLE

   Locked ownable synchronizers:
              - None

"Attach Listener" #5 daemon prio=5 os_prio=2 tid=0x000000001eaf7800 nid=0x28ec waiting on condition [0x0000000000000000]
   java.lang.Thread.State: RUNNABLE

   Locked ownable synchronizers:
              - None

"Signal Dispatcher" #4 daemon prio=9 os_prio=2 tid=0x000000001eaf6000 nid=0x534 runnable [0x0000000000000000]
   java.lang.Thread.State: RUNNABLE

   Locked ownable synchronizers:
              - None

"Finalizer" #3 daemon prio=8 os_prio=1 tid=0x000000001eaf0800 nid=0x2ab0 in Object.wait() [0x000000001efcf000]
   java.lang.Thread.State: WAITING (on object monitor)
        at java.lang.Object.wait(Native Method)
        - waiting on <0x000000076b188ec0> (a java.lang.ref.ReferenceQueue$Lock)
        at java.lang.ref.ReferenceQueue.remove(Unknown Source)
        - locked <0x000000076b188ec0> (a java.lang.ref.ReferenceQueue$Lock)
        at java.lang.ref.ReferenceQueue.remove(Unknown Source)
        at java.lang.ref.Finalizer$FinalizerThread.run(Unknown Source)

   Locked ownable synchronizers:
              - None

"Reference Handler" #2 daemon prio=10 os_prio=2 tid=0x000000001cbdd800 nid=0x24cc in Object.wait() [0x000000001eacf000]
   java.lang.Thread.State: WAITING (on object monitor)
        at java.lang.Object.wait(Native Method)
        - waiting on <0x000000076b186b68> (a java.lang.ref.Reference$Lock)
        at java.lang.Object.wait(Unknown Source)
        at java.lang.ref.Reference.tryHandlePending(Unknown Source)
        - locked <0x000000076b186b68> (a java.lang.ref.Reference$Lock)
        at java.lang.ref.Reference$ReferenceHandler.run(Unknown Source)

   Locked ownable synchronizers:
              - None

"VM Thread" os_prio=2 tid=0x000000001cbd9000 nid=0x2d48 runnable

"GC task thread#0 (ParallelGC)" os_prio=0 tid=0x0000000002fd7000 nid=0x478 runnable

"GC task thread#1 (ParallelGC)" os_prio=0 tid=0x0000000002fd9000 nid=0x18f8 runnable

"GC task thread#2 (ParallelGC)" os_prio=0 tid=0x0000000002fda800 nid=0xd78 runnable

"GC task thread#3 (ParallelGC)" os_prio=0 tid=0x0000000002fdd000 nid=0xc98 runnable

"GC task thread#4 (ParallelGC)" os_prio=0 tid=0x0000000002fde000 nid=0x22f4 runnable

"GC task thread#5 (ParallelGC)" os_prio=0 tid=0x0000000002fe0000 nid=0x3c54 runnable

"GC task thread#6 (ParallelGC)" os_prio=0 tid=0x0000000002fe3800 nid=0x8 runnable

"GC task thread#7 (ParallelGC)" os_prio=0 tid=0x0000000002fe4800 nid=0x1e68 runnable

"VM Periodic Task Thread" os_prio=2 tid=0x000000001eba8800 nid=0x26c waiting on condition

JNI global references: 318
```

SERVER THREADS

```
        at java.lang.ref.ReferenceQueue.remove(Unknown Source)
        - locked <0x000000076b188ec0> (a java.lang.ref.ReferenceQueue$Lock)
        at java.lang.ref.ReferenceQueue.remove(Unknown Source)
        at java.lang.ref.Finalizer$FinalizerThread.run(Unknown Source)

    Locked ownable synchronizers:
        - None

"Reference Handler" #2 daemon prio=10 os_prio=2 tid=0x0000000002a78000 nid=0x6a0 in Object.wait() [0x000000001e3ee000]
    java.lang.Thread.State: WAITING (on object monitor)
        at java.lang.Object.wait(Native Method)
        - waiting on <0x000000076b186b68> (a java.lang.ref.Reference$Lock)
        at java.lang.Object.wait(Unknown Source)
        at java.lang.ref.Reference.tryHandlePending(Unknown Source)
        - locked <0x000000076b186b68> (a java.lang.ref.Reference$Lock)
        at java.lang.ref.Reference$ReferenceHandler.run(Unknown Source)

    Locked ownable synchronizers:
        - None

"main" #1 prio=5 os_prio=0 tid=0x000000000293d800 nid=0x1fa8 runnable [0x000000000291f000]
    java.lang.Thread.State: RUNNABLE
        at java.io.FileInputStream.readBytes(Native Method)
        at java.io.FileInputStream.read(Unknown Source)
        at java.io.BufferedInputStream.read1(Unknown Source)
        at java.io.BufferedInputStream.read(Unknown Source)
        - locked <0x000000076b190c38> (a java.io.BufferedInputStream)
        at sun.nio.cs.StreamDecoder.readBytes(Unknown Source)
        at sun.nio.cs.StreamDecoder.implRead(Unknown Source)
        at sun.nio.cs.StreamDecoder.read(Unknown Source)
        - locked <0x000000076b4bcec8> (a java.io.InputStreamReader)
        at java.io.InputStreamReader.read(Unknown Source)
        at java.io.BufferedReader.fill(Unknown Source)
        at java.io.BufferedReader.readLine(Unknown Source)
        - locked <0x000000076b4bcec8> (a java.io.InputStreamReader)
        at java.io.BufferedReader.readLine(Unknown Source)
        at ClientConsole.accept(ClientConsole.java:66)
        at ClientConsole.main(ClientConsole.java:103)

    Locked ownable synchronizers:
        - None

"VM Thread" os_prio=2 tid=0x000000001c529800 nid=0x2f20 runnable

"GC task thread#0 (ParallelGC)" os_prio=0 tid=0x0000000002997000 nid=0x2910 runnable

"GC task thread#1 (ParallelGC)" os_prio=0 tid=0x0000000002999000 nid=0x1d50 runnable

"GC task thread#2 (ParallelGC)" os_prio=0 tid=0x000000000299a800 nid=0x2b44 runnable

"GC task thread#3 (ParallelGC)" os_prio=0 tid=0x000000000299d000 nid=0x2860 runnable

"GC task thread#4 (ParallelGC)" os_prio=0 tid=0x000000000299e000 nid=0x3a80 runnable

"GC task thread#5 (ParallelGC)" os_prio=0 tid=0x00000000029a0000 nid=0x3a28 runnable

"GC task thread#6 (ParallelGC)" os_prio=0 tid=0x00000000029a3800 nid=0x96c runnable

"GC task thread#7 (ParallelGC)" os_prio=0 tid=0x00000000029a4800 nid=0x1730 runnable

"VM Periodic Task Thread" os_prio=2 tid=0x000000001e4c4800 nid=0x3ca8 waiting on condition

JNI global references: 314

C:\Users\KhangNguyen>
```

CLIENT THREADS

```
Select Command Prompt

C:\Users\KhangNguyen>jps
4592 EchoServer
6992 Jps
8676
1036 ClientConsole

C:\Users\KhangNguyen>netstat -aon

Active Connections

  Proto  Local Address          Foreign Address        State           PID
  TCP    0.0.0.0:135            0.0.0.0:0              LISTENING       344
  TCP    0.0.0.0:445            0.0.0.0:0              LISTENING       4
  TCP    0.0.0.0:902            0.0.0.0:0              LISTENING       4480
  TCP    0.0.0.0:912            0.0.0.0:0              LISTENING       4480
  TCP    0.0.0.0:3389           0.0.0.0:0              LISTENING       1152
  TCP    0.0.0.0:4444           0.0.0.0:0              LISTENING       4592
```

PORT