

Profiling in mini project

Start Page x org.jetbrains.jps.cmdline.Launcher (pid 22868) x

Overview Monitor Threads Sampler Profiler [heapdump] 10:49:48 pm x

org.jetbrains.jps.cmdline.Launcher (pid 22868)

Heap Dump

Objects Preset: All Objects Aggregation: Details: Preview Fields References GC Root Hierarchy

Name	Count	Size	Retained (sort to get)
byte[]	32,743 (19.5%)	5,243,688 B (47.5%)	n/a
int[]	1,182 (0.7%)	857,640 B (7.8%)	n/a
java.lang.String	31,389 (18.6%)	753,336 B (6.8%)	n/a
java.util.concurrent.ConcurrentHashMap\$Node	14,937 (8.9%)	477,984 B (4.3%)	n/a
java.lang.Object[]	6,264 (3.7%)	466,512 B (4.2%)	n/a
java.lang.reflect.Method	2,516 (1.5%)	221,408 B (2%)	n/a
java.util.HashMap\$Node	5,903 (3.5%)	188,896 B (1.7%)	n/a
java.util.HashMap\$Node[]	1,411 (0.8%)	148,680 B (1.3%)	n/a
java.util.concurrent.ConcurrentHashMap\$Node[]	221 (0.1%)	138,416 B (1.3%)	n/a
io.netty.buffer.PoolSubpage	1,873 (1.1%)	134,856 B (1.2%)	n/a
java.util.LinkedHashMap\$Entry	2,663 (1.6%)	106,520 B (1%)	n/a
java.lang.Object	6,214 (3.7%)	99,424 B (0.9%)	n/a
sun.util.locale.LocaleObjectCache\$CacheEntry	2,092 (1.2%)	83,680 B (0.8%)	n/a
java.lang.reflect.Field	986 (0.6%)	70,992 B (0.6%)	n/a
java.lang.ref.SoftReference	1,742 (1%)	69,680 B (0.6%)	n/a
java.util.concurrent.locks.ReentrantLock\$NonfairSync	2,129 (1.3%)	68,128 B (0.6%)	n/a
java.lang.Class[]	2,521 (1.5%)	66,944 B (0.6%)	n/a
java.lang.invoke.MemberName	1,619 (1%)	64,760 B (0.6%)	n/a
java.lang.String[]	1,693 (1%)	63,000 B (0.6%)	n/a
char[]	258 (0.2%)	61,840 B (0.6%)	n/a
java.util.ImmutableCollections\$List12	2,142 (1.3%)	51,408 B (0.5%)	n/a
java.util.LinkedHashMap	815 (0.5%)	45,640 B (0.4%)	n/a
io.netty.util.internal.shaded.org.jctools.queues.atomic.MpscAtomicArrayQueue	80 (0%)	43,520 B (0.4%)	n/a
java.lang.invoke.LambdaForm\$Name	1,300 (0.8%)	41,600 B (0.4%)	n/a
java.lang.invoke.MethodType	1,026 (0.6%)	41,040 B (0.4%)	n/a

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Overview Monitor Threads Sampler Profiler [heapdump] 10:49:48 pm x

org.jetbrains.jps.cmdline.Launcher (pid 22868)

Sampler Settings

Sample: CPU Memory Stop

Status: CPU sampling in progress

CPU samples Thread CPU time

Results: Statistics: Threads Count: 18 Total Time (CPU): 4,906 ms Thread Dump

Name	Thread Time (CPU)	Thread Time (CPU) / sec
RMI TCP Connection(6)-192.168.82.234	1,375 ms (2.8%)	0.0 ms (0%)
Attach Listener	953 ms (19.4%)	0.0 ms (0%)
RMI TCP Connection(7)-192.168.82.234	859 ms (17.5%)	46.8 ms (4.7%)
DestroyJavaVM	812 ms (16.6%)	0.0 ms (0%)
*** Profiler Agent Communication Thread	343 ms (7%)	0.0 ms (0%)
JFR Periodic Tasks	250 ms (5.1%)	0.0 ms (0%)
*** JFluid Monitor thread ***	78.1 ms (1.6%)	0.0 ms (0%)
*** Profiler Agent Special Execution Thread 6	78.1 ms (1.6%)	0.0 ms (0%)
JMX server connection timeout 42	62.5 ms (1.3%)	0.0 ms (0%)
JPS event loop	46.8 ms (1%)	0.0 ms (0%)
RMI TCP Accept-0	46.8 ms (1%)	0.0 ms (0%)
Reference Handler	0.0 ms (0%)	0.0 ms (0%)
Finalizer	0.0 ms (0%)	0.0 ms (0%)
Signal Dispatcher	0.0 ms (0%)	0.0 ms (0%)
Common-Cleaner	0.0 ms (0%)	0.0 ms (0%)
Notification Thread	0.0 ms (0%)	0.0 ms (0%)
JFR Recorder Thread	0.0 ms (0%)	0.0 ms (0%)
RMI Scheduler(0)	0.0 ms (0%)	0.0 ms (0%)

Start Page x org.jetbrains.jps.cmdline.Launcher (pid 23164) x

Overview Monitor Threads Sampler Profiler [snapshot] 10:37:00 pm x

org.jetbrains.jps.cmdline.Launcher (pid 23164)

Overview ☒ Saved data ☒ Details

PID: 23164
Host: localhost
Main class: org.jetbrains.jps.cmdline.Launcher
Arguments: C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2\plugins\java\lib\jps-builders.jar;C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2\plugins\java\lib\jps-builders-6.jar;C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2\plugins\java\lib\jps-builders-6.jar;C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2\plugins\java\lib\jps-builders-6.jar

JVM: Java HotSpot(TM) 64-Bit Server VM (20.0.2+9-78, mixed mode, sharing)
Java: version 20.0.2 2023-07-18, vendor Oracle Corporation
Java Home: C:\Program Files\Java\jdk-20
JVM Flags: <none>

Heap dump on OOME: disabled

Saved data x JVM arguments System properties x

Thread Dumps: 0
Heap Dumps: 0
Profiler Snapshots: 1
JFR Snapshots: 0

JVM arguments:

- Xmx700m
- Djava.awt.headless=true
- Djna.boot.library.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2\lib\jna\amd64
- Djna.nosys=true
- Djna.noclasspath=true
- add-opens=jdk.compiler/com.sun.tools.javac.api=ALL-UNNAMED
- add-opens=jdk.compiler/com.sun.tools.javac.util=ALL-UNNAMED
- add-opens=jdk.compiler/com.sun.tools.javac.code=ALL-UNNAMED
- add-opens=jdk.compiler/com.sun.tools.javac.comp=ALL-UNNAMED
- add-opens=jdk.compiler/com.sun.tools.javac.file=ALL-UNNAMED
- add-opens=jdk.compiler/com.sun.tools.javac.main=ALL-UNNAMED
- add-opens=jdk.compiler/com.sun.tools.javac.model=ALL-UNNAMED
- add-opens=jdk.compiler/com.sun.tools.javac.parser=ALL-UNNAMED
- add-opens=jdk.compiler/com.sun.tools.javac.processing=ALL-UNNAMED
- add-opens=jdk.compiler/com.sun.tools.javac.tree=ALL-UNNAMED
- add-opens=jdk.compiler/com.sun.tools.javac.jvm=ALL-UNNAMED
- Dpreload.project.path=C:/Users/nisha/OneDrive/Desktop/Programming practices project
- Dpreload.config.path=C:/Users/nisha/AppData/Roaming/JetBrains/IdealC2023.2/options
- Dcompile.parallel=false
- Drebuild.on.dependency.change=true
- Didea.IntToIntBtree.page.size=32768
- Djdt.compiler.useSingleThread=true
- Daether.connector.resumeDownloads=false

Start Page x org.jetbrains.jps.cmdline.Launcher (pid 22868) x

Overview Monitor Threads Sampler Profiler [heapdump] 10:49:48 pm x

org.jetbrains.jps.cmdline.Launcher (pid 22868)

Sampler ☐ Settings

Sample: ☒ CPU ☒ Memory ☐ Stop

Status: memory sampling in progress

Heap histogram Per thread allocations

Results: ☒ ☐ ☐ Collected data: ☒ Snapshot

Perform GC Heap Dump

Name	Live Bytes	Live Objects
byte[]	7,371,952 B (22.7%)	43,730 (7.1%)
java.lang.Object[]	6,294,184 B (19.4%)	172,142 (27.9%)
java.util.TreeMap\$Entry	4,520,520 B (13.9%)	113,013 (18.3%)
Ljdk.internal.vm.FillerArray	2,693,176 B (8.3%)	632 (0.1%)
int[]	1,454,400 B (4.5%)	2,389 (0.4%)
java.lang.String	902,088 B (2.8%)	37,587 (6.1%)
java.lang.Class	638,520 B (2%)	5,301 (0.9%)
java.util.TreeMap	612,144 B (1.9%)	12,753 (2.1%)
java.lang.StackTraceElement	518,544 B (1.6%)	10,803 (1.8%)
java.util.concurrent.ConcurrentHashMap\$Node	483,936 B (1.5%)	15,123 (2.5%)
java.util.TreeMap\$KeyIterator	410,496 B (1.3%)	12,828 (2.1%)
java.io.SerialCallbackContext	318,960 B (1%)	13,290 (2.2%)
char[]	312,672 B (1%)	1,157 (0.2%)
javax.management.openmbean.CompositeDataSupport	305,352 B (0.9%)	12,723 (2.1%)
java.lang.Class\$ReflectionData	236,096 B (0.7%)	3,689 (0.6%)
java.lang.reflect.Method	231,528 B (0.7%)	2,631 (0.4%)
java.util.HashMap\$Node	204,928 B (0.6%)	6,404 (1%)
java.util.TreeMap\$EntrySet	203,696 B (0.6%)	12,731 (2.1%)
java.util.TreeMap\$KeySet	203,616 B (0.6%)	12,726 (2.1%)
java.lang.ref.SoftReference	199,480 B (0.6%)	4,987 (0.8%)
java.util.HashMap\$Node[]	167,976 B (0.5%)	1,803 (0.3%)
java.util.concurrent.ConcurrentHashMap\$Node[]	149,904 B (0.5%)	355 (0.1%)

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org.jetbrains.jps.cmdline.Launcher (pid 22868)

Sampler ☐ Settings

Sample: ☒ CPU ☐ Memory ☐ Stop

Status: CPU sampling in progress

CPU samples Thread CPU time

Results: ☒ ☐ ☐ View: ☒ ☐ ☐ Collected data: ☒ Snapshot

Thread Dump

Name	Total Time	Total Time (CPU)
JPS event loop	19,903 ms (100%)	19,903 ms (100%)
*** Profiler Agent Communication Thread	19,903 ms (100%)	19,903 ms (100%)
*** JFluid Monitor thread ***	19,903 ms (100%)	0.0 ms (-%)
*** Profiler Agent Special Execution Thread 6	19,903 ms (100%)	0.0 ms (-%)

Start Page x org.jetbrains.jps.cmdline.Launcher (pid 23164) x

Overview Monitor Threads Sampler Profiler [snapshot] 10:37:00 pm x

org.jetbrains.jps.cmdline.Launcher (pid 23164)

Profiler Settings

Profile: CPU Memory JDBC Locks Stop

Status: application terminated

Profiling results

Results: View: Collected data: Snapshot

Name	Total Time	Total Time (CPU)	Invocations
JPS thread pool	89.3 ms (100%)	61.1 ms (100%)	1
JPS event loop	18.8 ms (100%)	0.0 ms (-%)	2
Shutdown thread	0.294 ms (100%)	0.0 ms (-%)	1
BuildSession.EventsProcessor.Event	0.046 ms (100%)	0.0 ms (-%)	1

Profile classes:

<define classes to be profiled>

☒ Track only live objects

☒ Limit allocations depth: 10

Preset: Default Edit...

Start Page x org.jetbrains.jps.cmdline.Launcher (pid 23164) x org.jetbrains.jps.cmdline.Launcher (pid 22580) x

Overview Monitor Threads Sampler Profiler [snapshot] 10:37:00 pm x

org.jetbrains.jps.cmdline.Launcher (pid 23164)

Overview Saved data Details

PID: 23164
Host: localhost
Main class: org.jetbrains.jps.cmdline.Launcher
Arguments: C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2\plugins\java\lib\jps-builders.jar;C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2\plugins\java\lib\jps-builders-6.jar;C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2\plugins\java\lib\jps-builders-7.jar

JVM: Java HotSpot(TM) 64-Bit Server VM (20.0.2+9-78, mixed mode, sharing)
Java: version 20.0.2 2023-07-18, vendor Oracle Corporation
Java Home: C:\Program Files\Java\jdk-20
JVM Flags: <none>

Heap dump on OOME: disabled

Saved data x JVM arguments System properties x

Thread Dumps: 0
Heap Dumps: 0
Profiler Snapshots: 1
JFR Snapshots: 0

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aether.connector.resumeDownloads=false
compile.parallel=false
file.encoding=windows-1252
file.separator=\
ide.propagate.context=false
idea.IntToIntBtree.page.size=32768
idea.config.path=C:\Users\nisha\AppData\Roaming\JetBrains\IdeaIC2023.2
idea.home.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2
idea.paths.selector=IdeaIC2023.2
idea.plugins.path=C:\Users\nisha\AppData\Roaming\JetBrains\IdeaIC2023.2\plugins
io.netty.initialSeedUniquifier=-1756020185415590643
io.netty.machineId=28:10:76:ff:fe:16:65:0e
io.netty.noUnsafe=true
io.netty.processId=42609
io.netty.serviceThreadPrefix=Netty
java.awt.headless=true
java.class.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2\plugins\java\lib\jps-launcher.jar
java.class.version=64.0
java.home=C:\Program Files\Java\jdk-20
java.io.tmpdir=C:\Users\nisha\AppData\Local\JetBrains\IdeaIC2023.2\compile-server\programming_practices_project_6e80861f\_temp_
java.library.path=C:\Program Files\Java\jdk-20\bin;C:\WINDOWS\Sun\Java\bin;C:\WINDOWS\system32;C:\WINDOWS;C:\Program Files\Common Files\Oracle\Java\javapath
java.rmi.server.randomIDs=true
  
```

