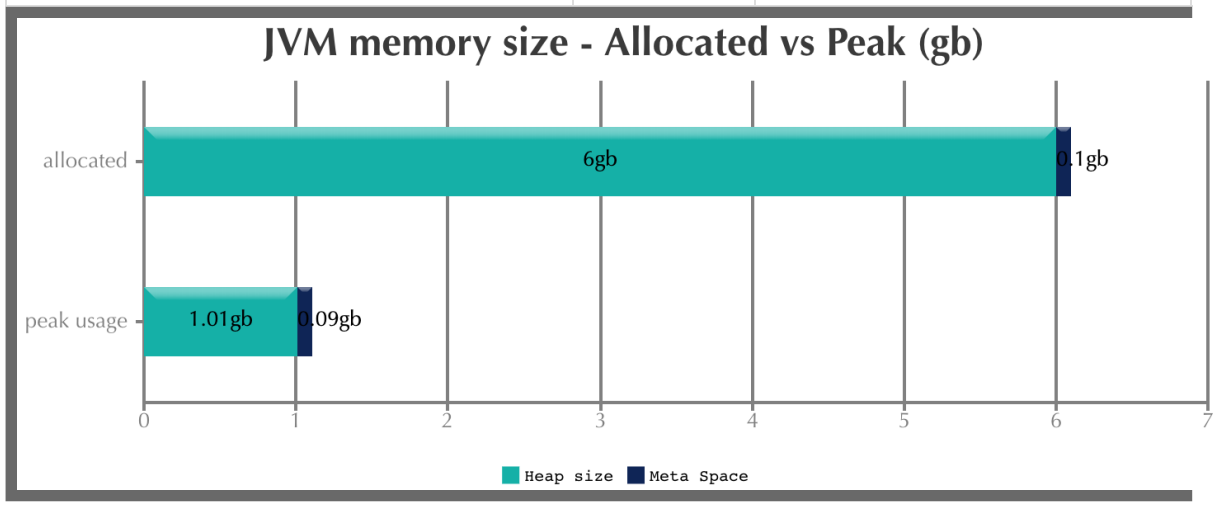
GC Intelligence Report

gc.log.tar.gz

Duration: 20 hrs 24 min 30 sec

JVM memory size

Region	Allocated	Peak
Heap	6 gb	1.01 gb
Metaspace	98 mb	97 mb
Total	6.1 gb	1.1 gb



Key Performance Indicators

(Important section of the report. To learn more about KPIs, click here (https://blog.gceasy.io/2016/10/01/garbage-collection-kpi/))

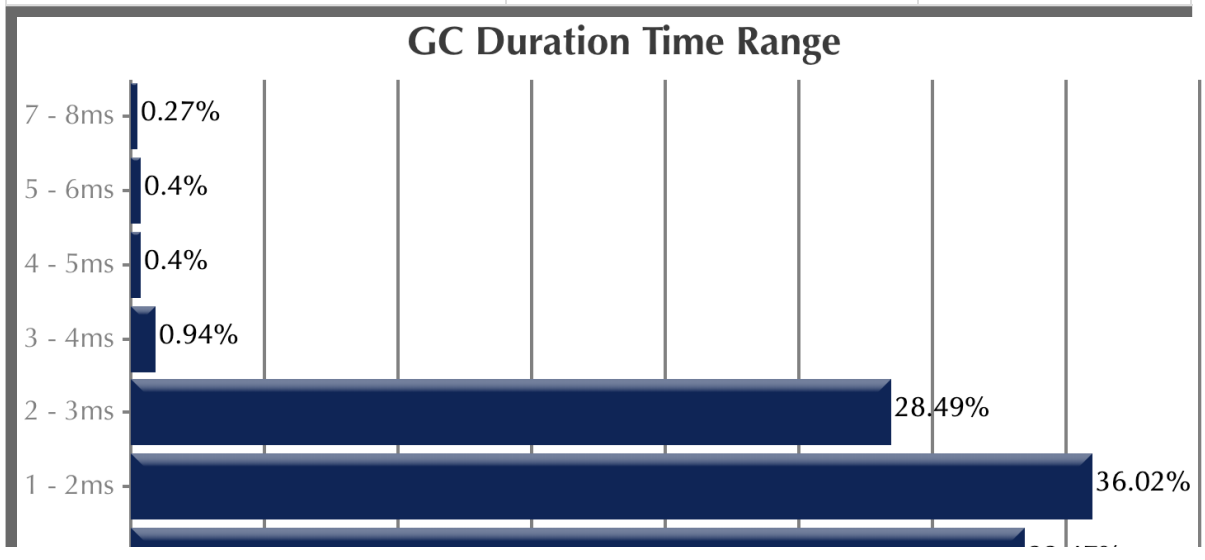
1. **Throughput : 99.999%**

2. **Latency:**

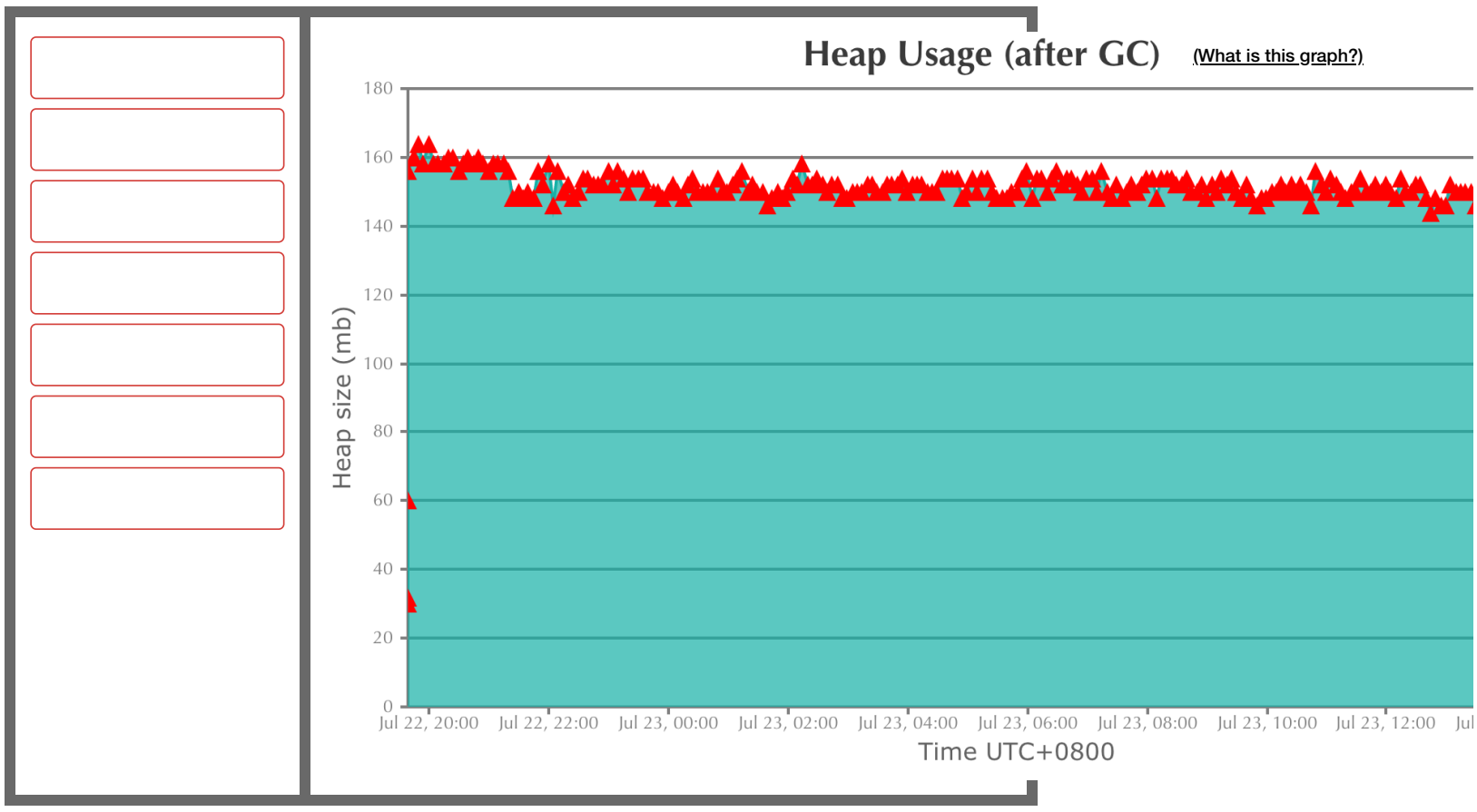
Avg Pause GC Time	**1.29 ms**
Max Pause GC Time	**7.87 ms**

GC **Pause** Duration Time Range :

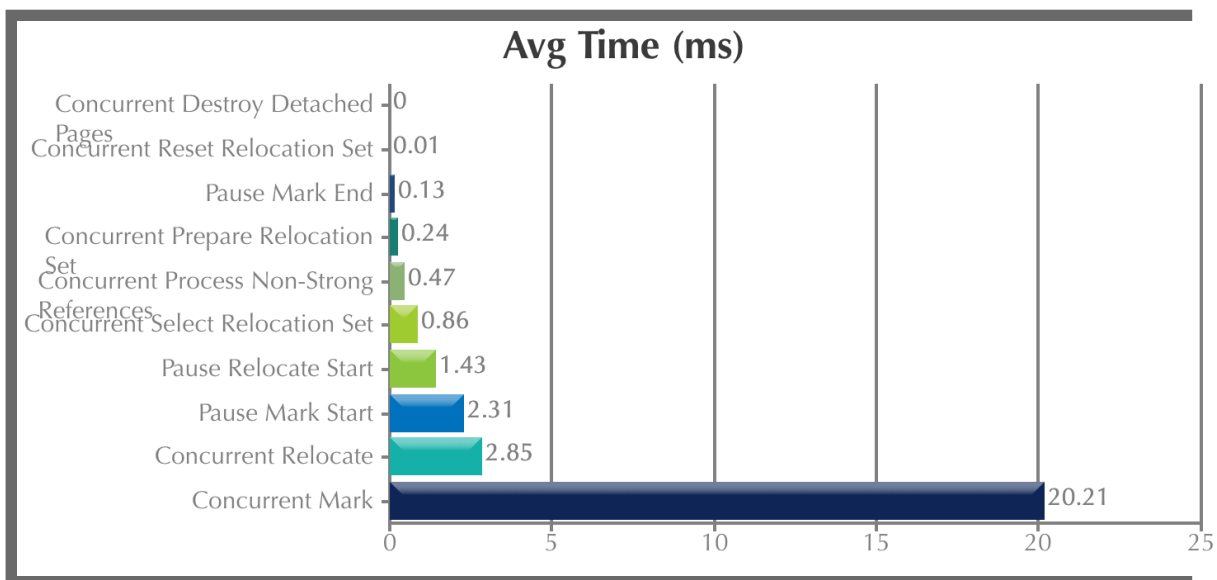
Duration (ms) 1 ms	No. of GCs phases	Percentage
0 - 1	249	33.47%
1 - 2	268	36.02%
2 - 3	212	28.49%
3 - 4	7	0.94%
4 - 5	3	0.4%
5 - 6	3	0.4%
7 - 8	2	0.27%

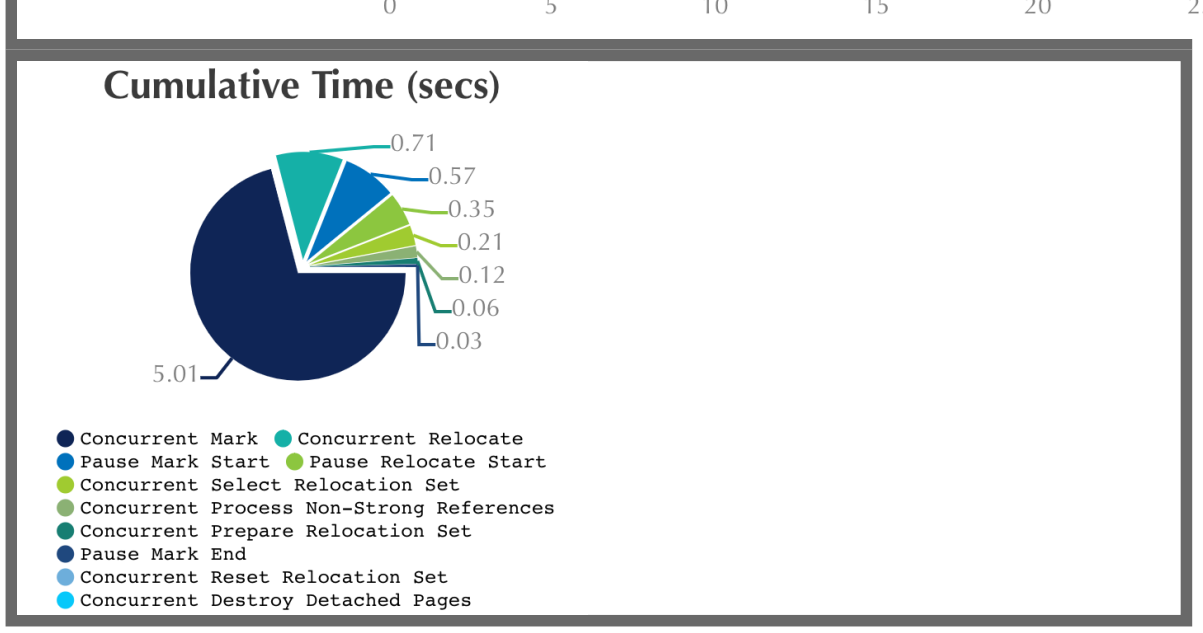


Interactive Graphs (How to zoom graphs?) (https://www.youtube.com/watch?v=JhZFj6gJQyk)



Z Phases Statistics

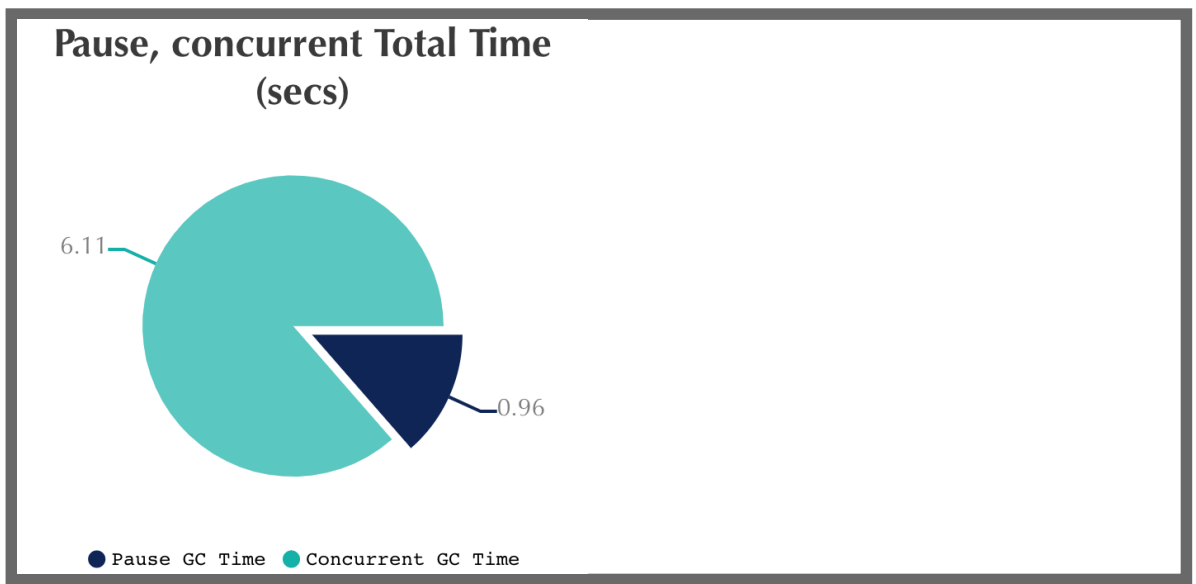


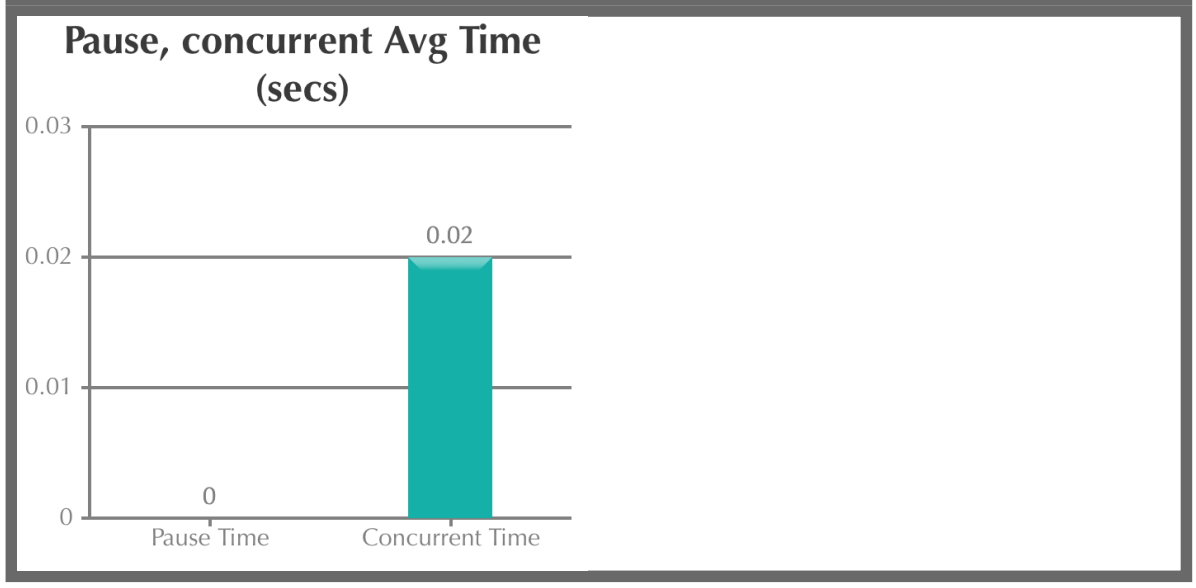


	Concurrent Mark	Concurrent Relocate	Pause Mark Start	Pause Relocate Start	Concurrent Select Relocation Set	Concurrent Process Non-Strong References	Concurrent Prepare Relocation Set	Pause Mark End	Concurrent Reset Relocation Set	Concurrent Destroy Detached Pages

Total Time	5 sec 13 ms	708 ms	573 ms	355 ms	213 ms	116 ms	60.8 ms	32.0 ms	3.32 ms	0.0610 ms
Avg Time	20.2 ms	2.85 ms	2.31 ms	1.43 ms	0.858 ms	0.466 ms	0.245 ms	0.129 ms	0.0134 ms	0.000246 ms
Std Dev Time	3.69 ms	1.56 ms	0.687 ms	0.222 ms	0.332 ms	0.107 ms	0.567 ms	0.0178 ms	0.0241 ms	0.000458 ms
Min Time	11.1 ms	1.15 ms	1.01 ms	0.949 ms	0.647 ms	0.265 ms	0.0820 ms	0.106 ms	0	0
Max Time	51.1 ms	16.1 ms	7.87 ms	4.14 ms	4.02 ms	1.59 ms	7.73 ms	0.253 ms	0.378 ms	0.00300 ms
Count	248	248	248	248	248	248	248	248	248	248

Z GC Time





Pause Time

Total Time	960 ms
Avg Time	1.29 ms
Std Dev Time	0.989 ms
Min Time	0.106 ms
Max Time	7.87 ms

Concurrent Time

Total Time	6 sec 113 ms
Avg Time	24.7 ms
Std Dev Time	5.11 ms

Min Time	18.6 ms
Max Time	77.6 ms

Object Stats

(These are perfect micro-metrics (https://blog.gceasy.io/2017/05/30/improving-your-performance-reports/) to include in your performance reports)

Total created bytes	20.02 gb
Total promoted bytes	n/a
Avg creation rate	285 kb/sec
Avg promotion rate	n/a

Consecutive Full GC

None.

Long Pause

None.

Safe Point Duration

(To learn more about SafePoint duration, click here (./gc-recommendations/safe-point-solution.jsp))

Not Reported in the log.

Allocation stall metrics

(To learn more about Allocation Stall, click here (./gc-recommendations/allocation-stall-solution.jsp))

Not Reported in the log.

GC Causes

(What events caused the GCs, how much time it consumed?)

Cause	Count
Metadata GC Threshold	6
Total	6

Tenuring Summary

Not reported in the log.

Command Line Flags

Not reported in the log.