Analysis Report

Consecutive Full GC

Our analysis tells that Full GCs are consecutively running in your application. It might cause intermittent OutOfMemoryErrors or degradation in response time or high CPU consumption or even make application unresponsive.

Read our recommendations to resolve consecutive Full GCs

JVM Heap Size

Allocated Size: : 494 mb

Peak Size: : 494 mb

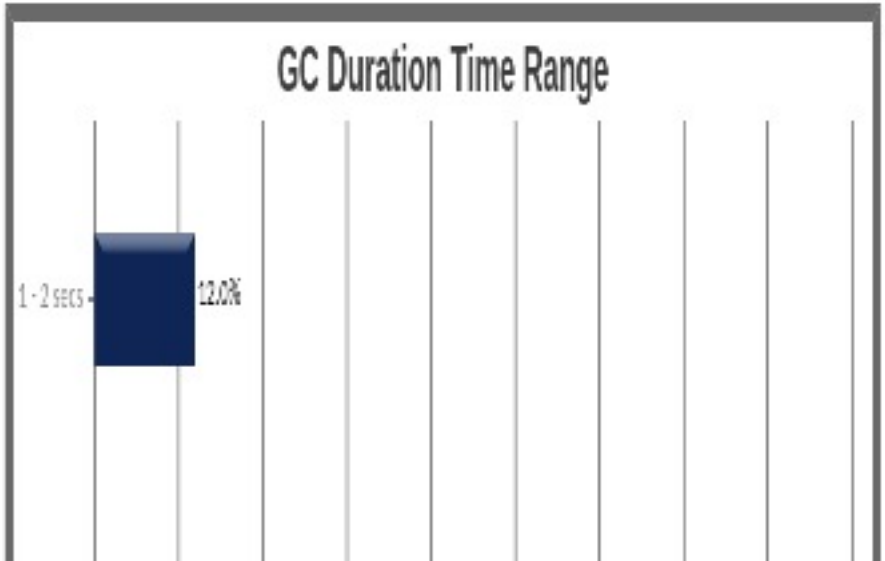
Key Performance Indicators

important section of the report. To learn more about KPIs, click here!

1 Throughput: : 86.444%

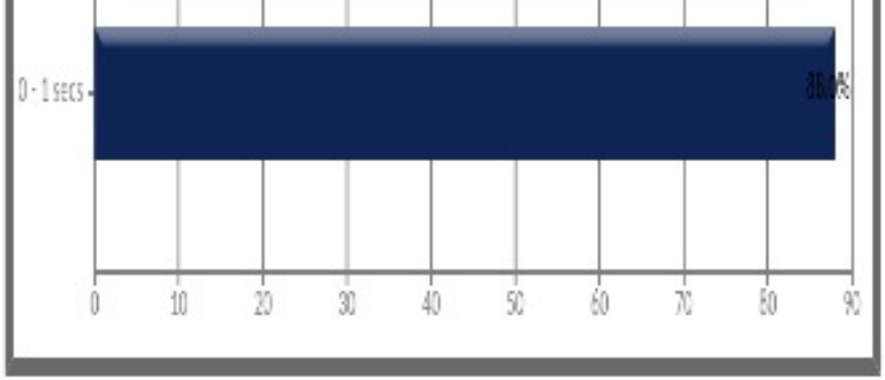
2 Latency:

Avg Pause GC Time	316 ms
Max Pause GC Time	1 sec 479 ms



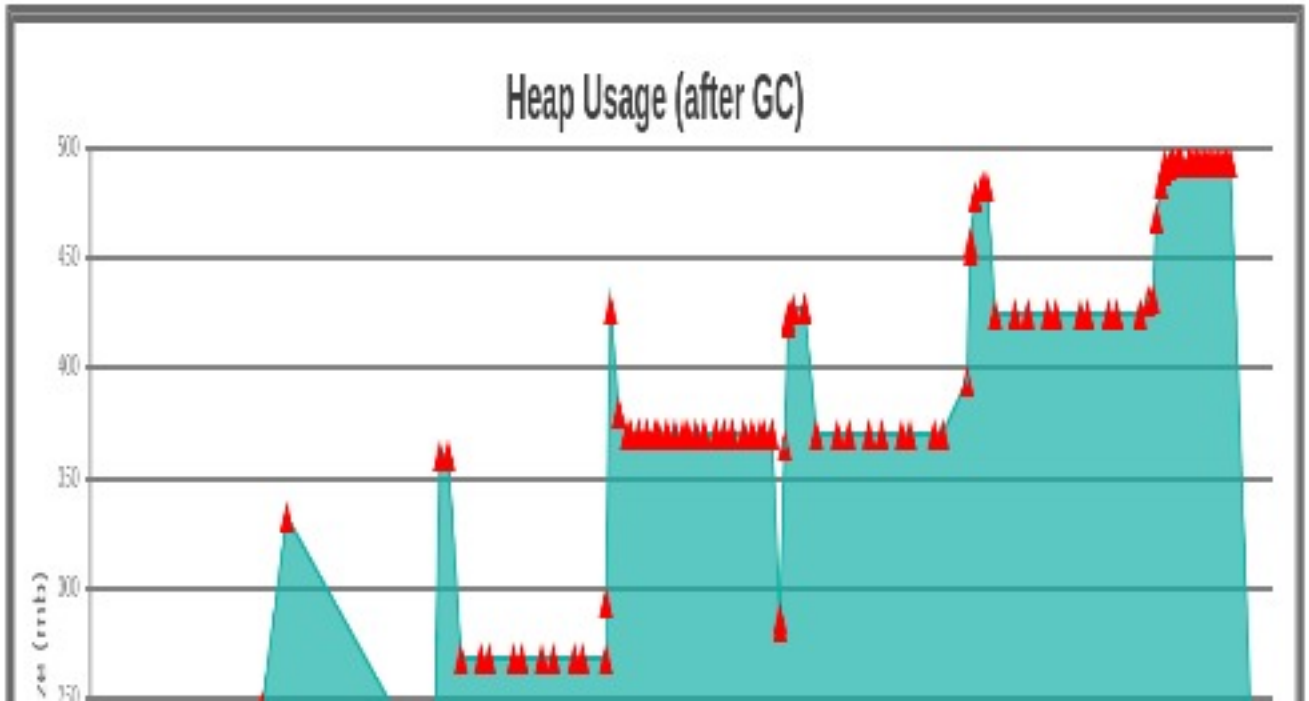
GC Pause Duration Time Range

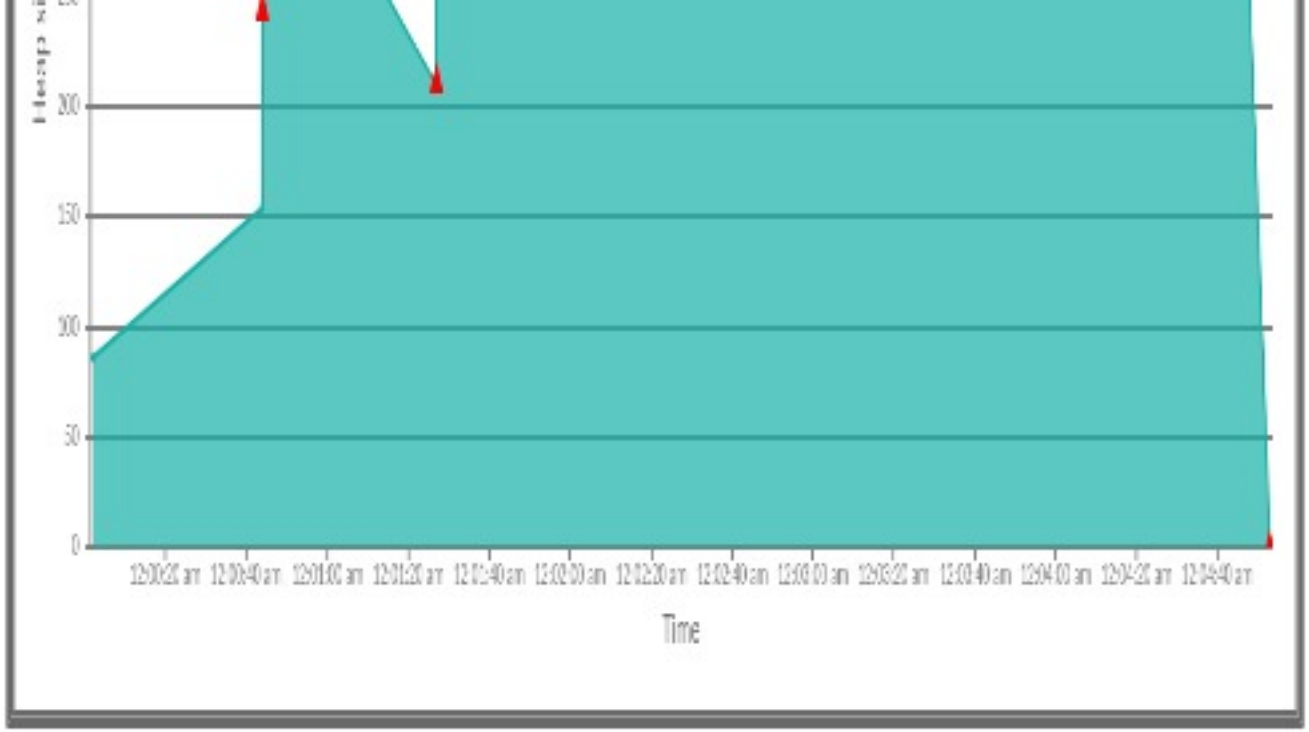
Duration (secs)	No. of GCs	Percentage
0 - 1	110	88.0%
1 - 2	15	100.0%

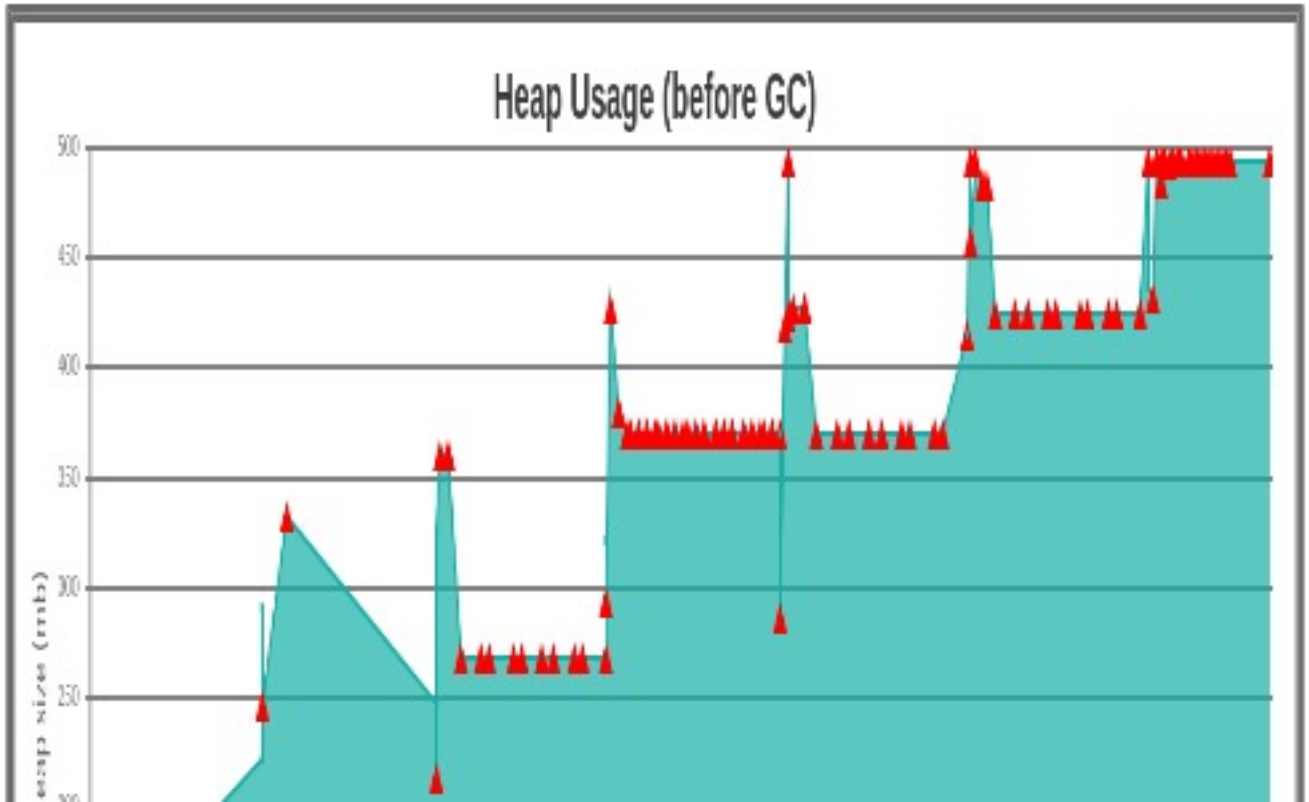


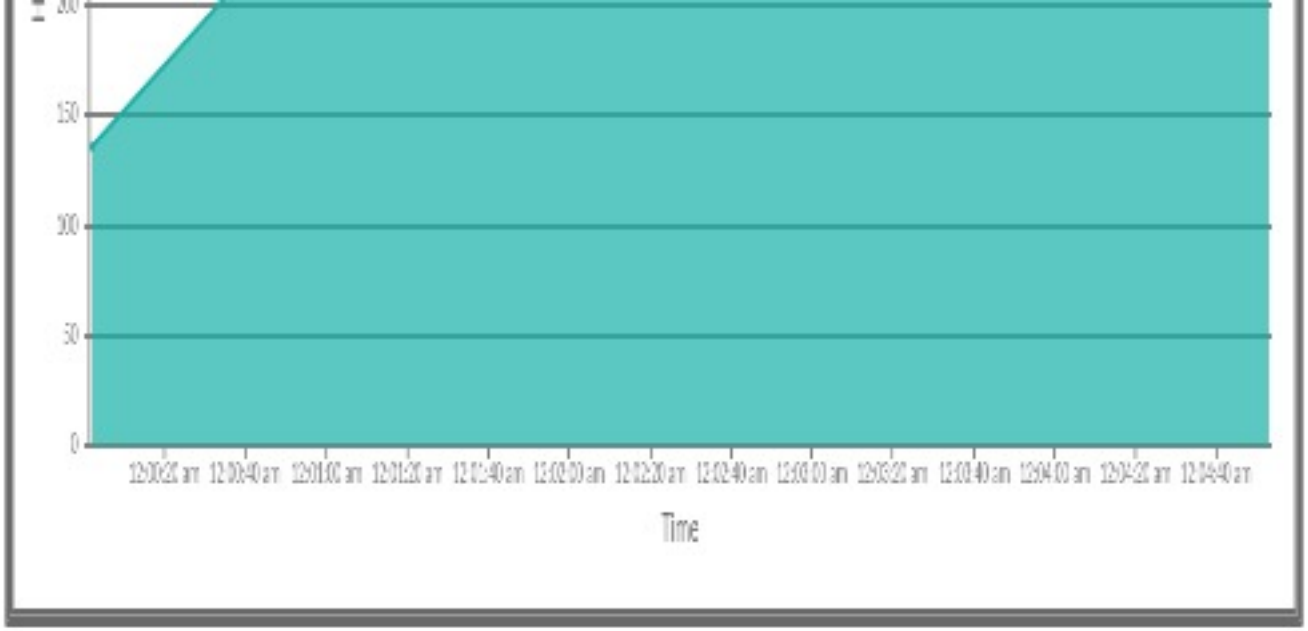
Interactive Graphs

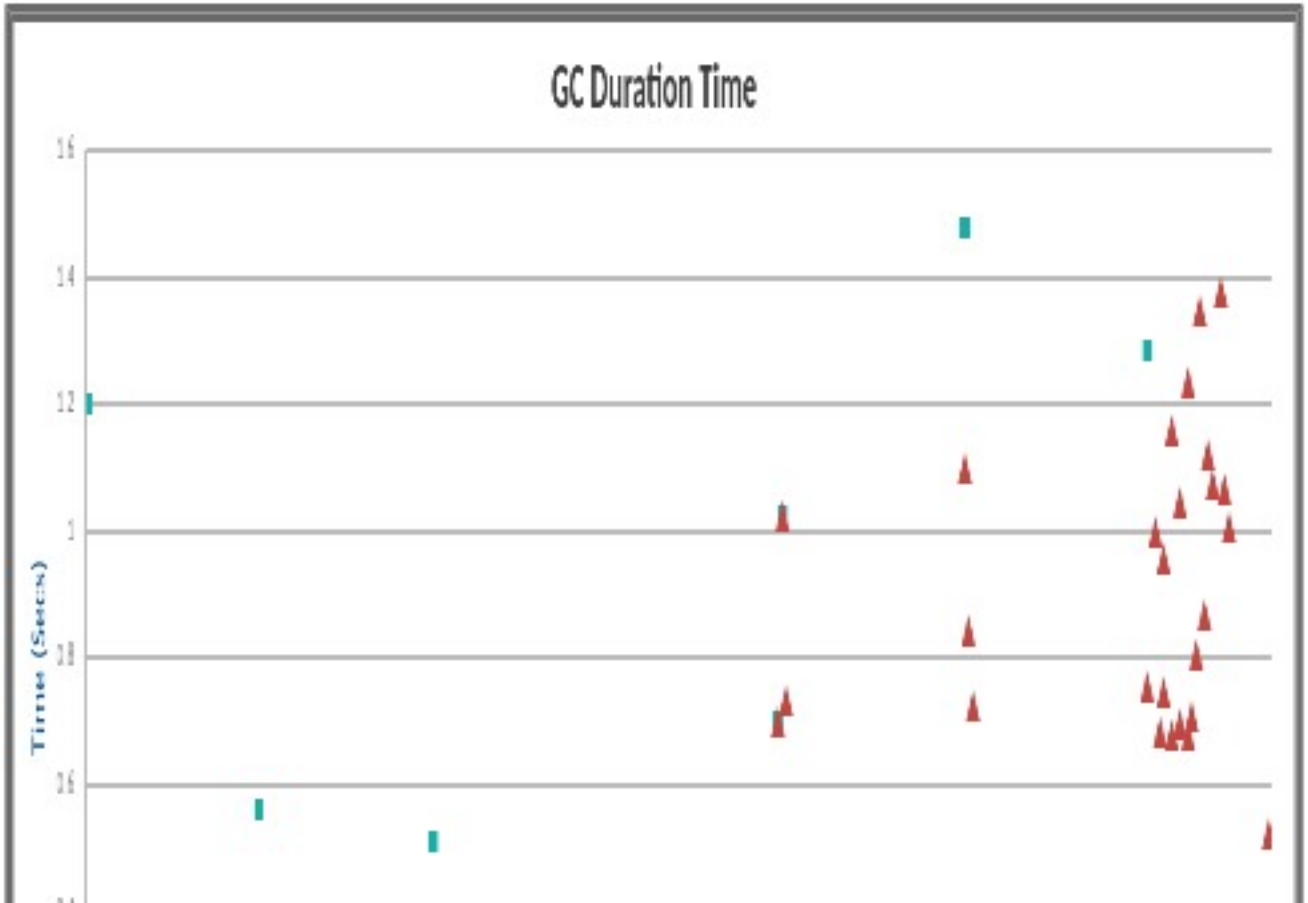
(All graphs are zoomable)

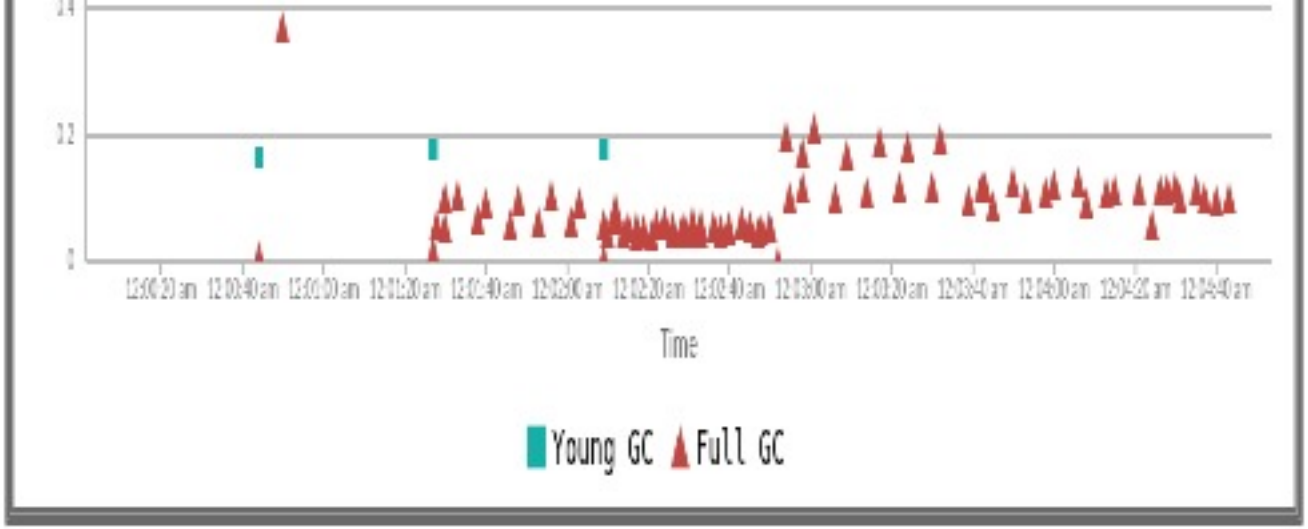


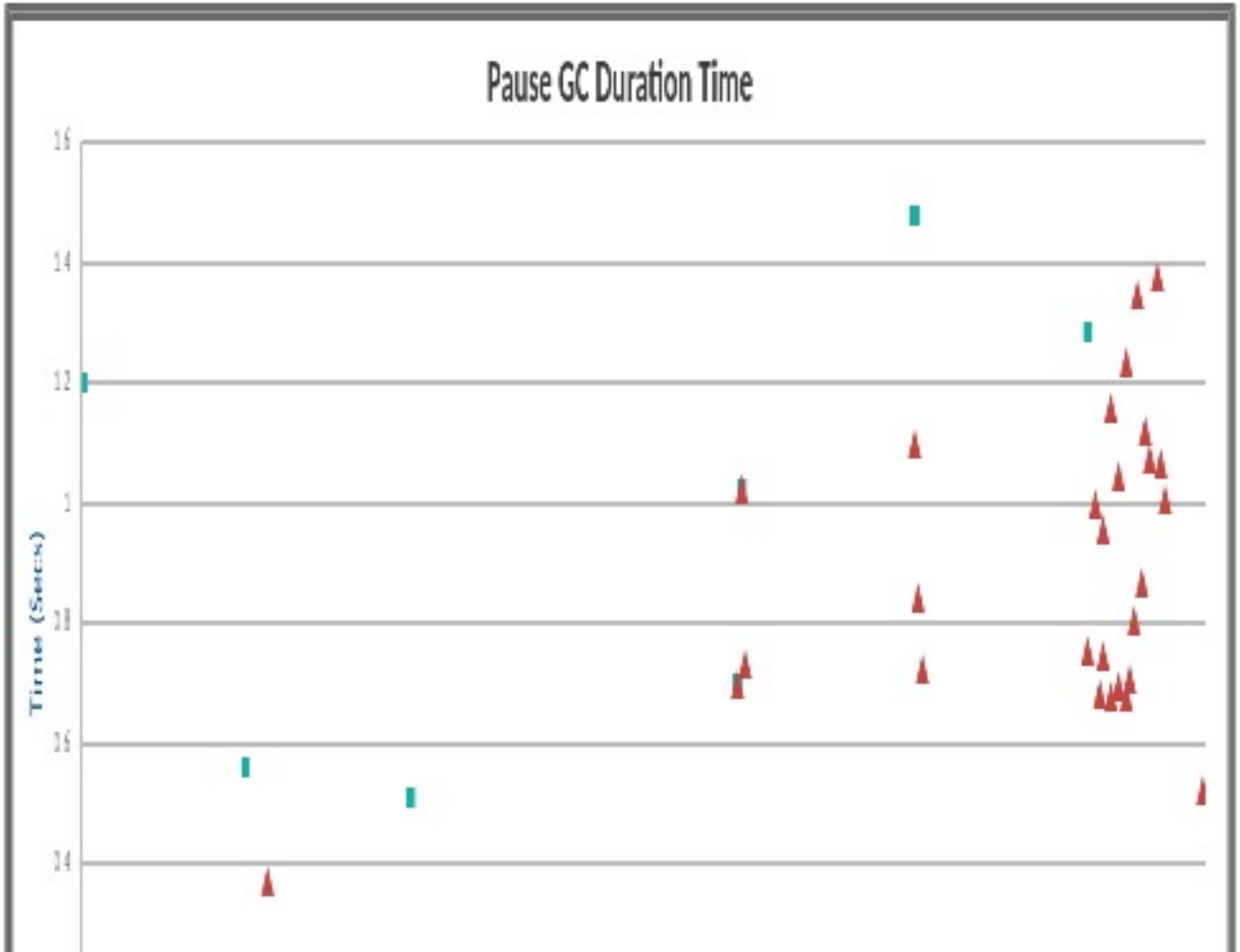

Heap size (mb)
200
150
100
50
0
12:00:40 am
12:01:00 am
12:01:20 am
12:01:40 am
12:02:00 am
12:02:20 am
12:02:40 am
12:03:00 am
12:03:20 am
12:03:40 am
12:04:00 am
12:04:40 am
Time

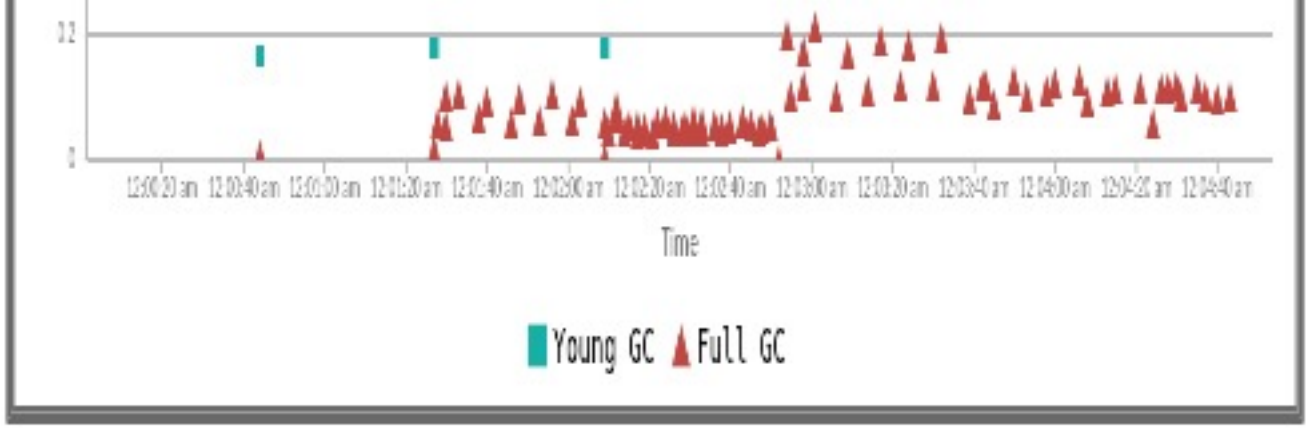

Heap Usage (before GC)
500
450
400
350
300
250
Heap size (mb)

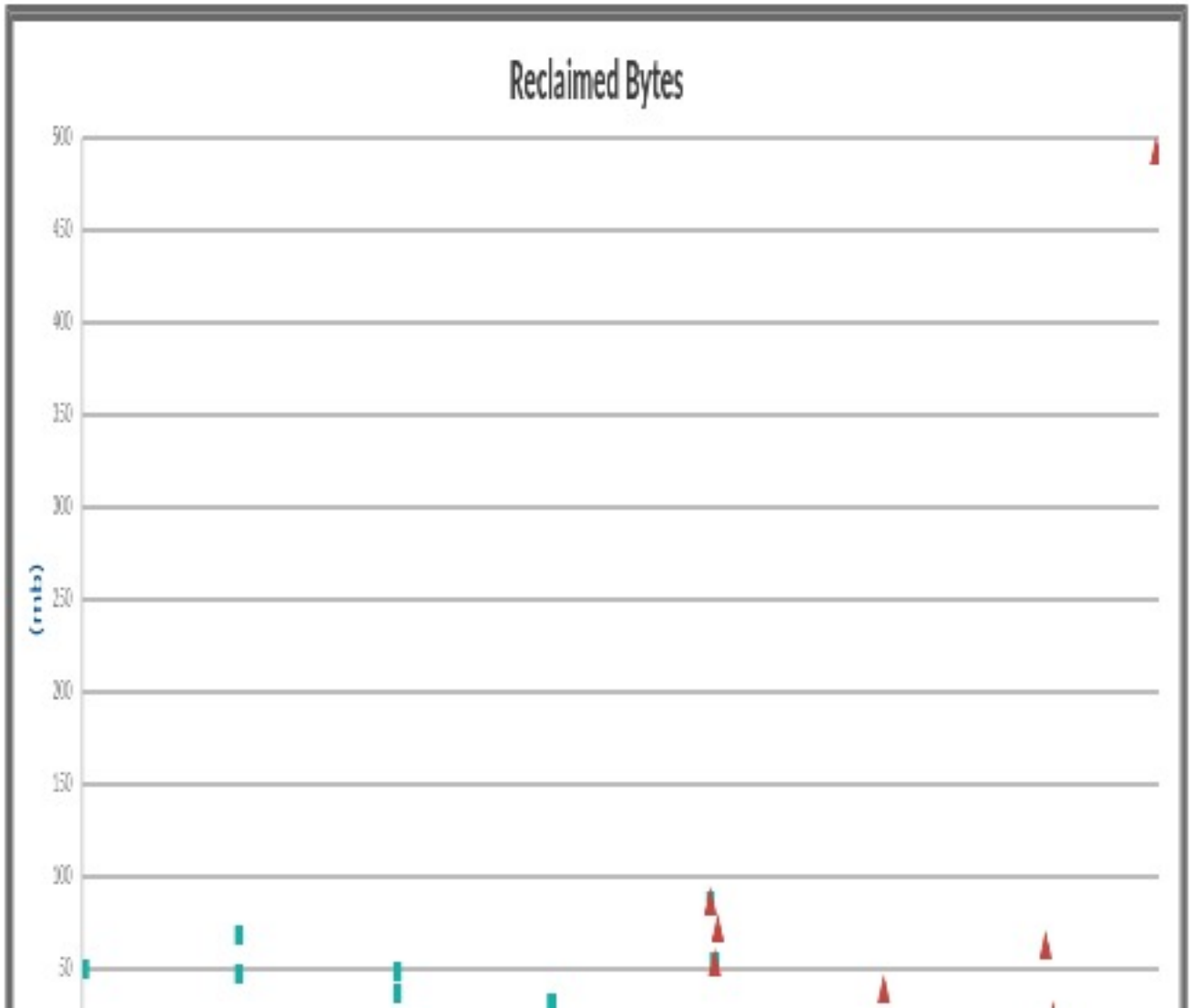

150
100
50
0
Time


GC Duration Time
1.6
1.4
1.2
1
0.8
0.6
Time (Secs)

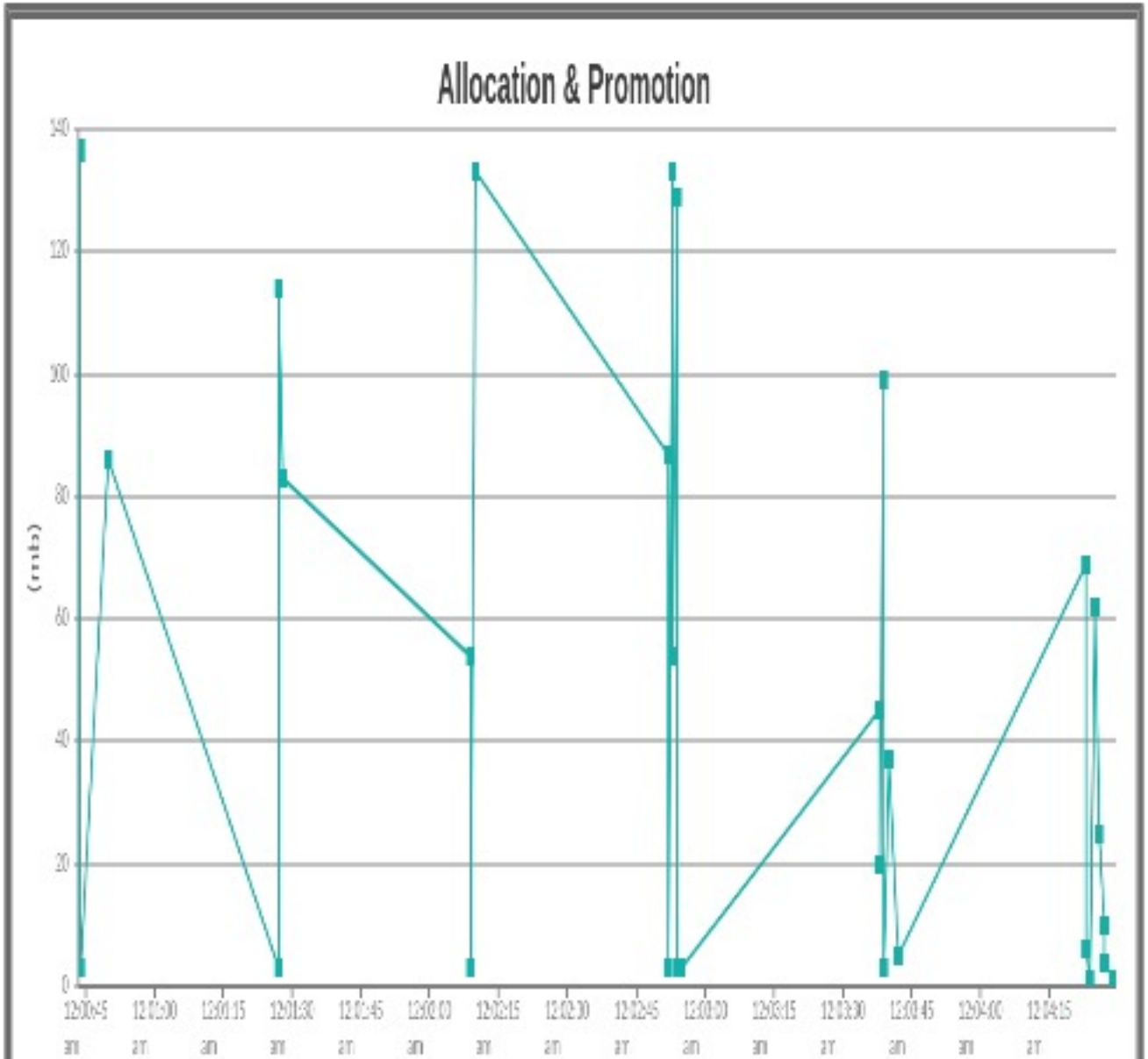

Time
Young GC
Full GC


Pause GC Duration Time
Time (Secs)

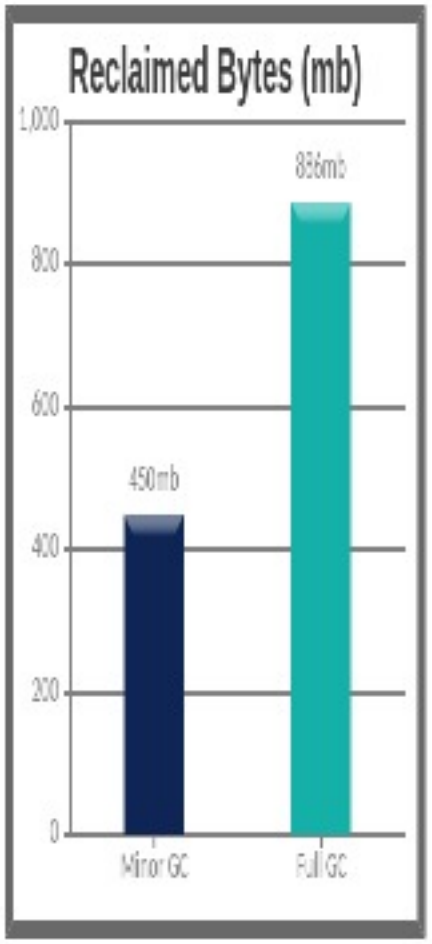

Time
Young GC
Full GC

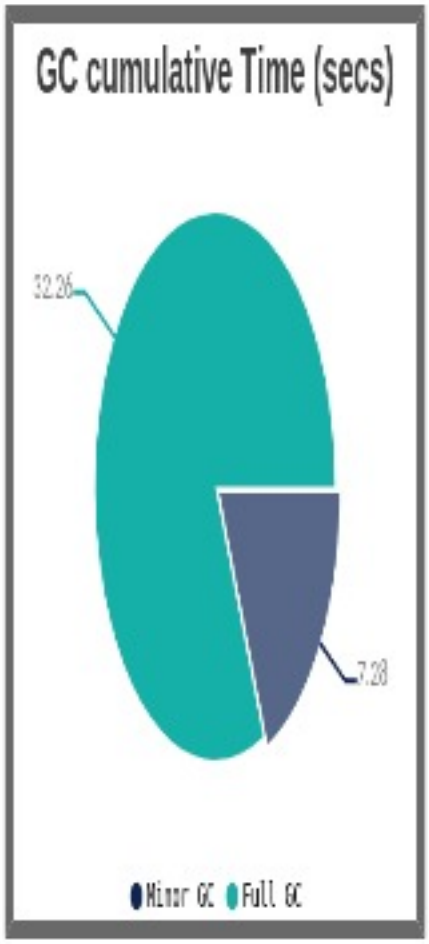

Reclaimed Bytes
(mb)
500
450
400
350
300
250
200
150
100
50

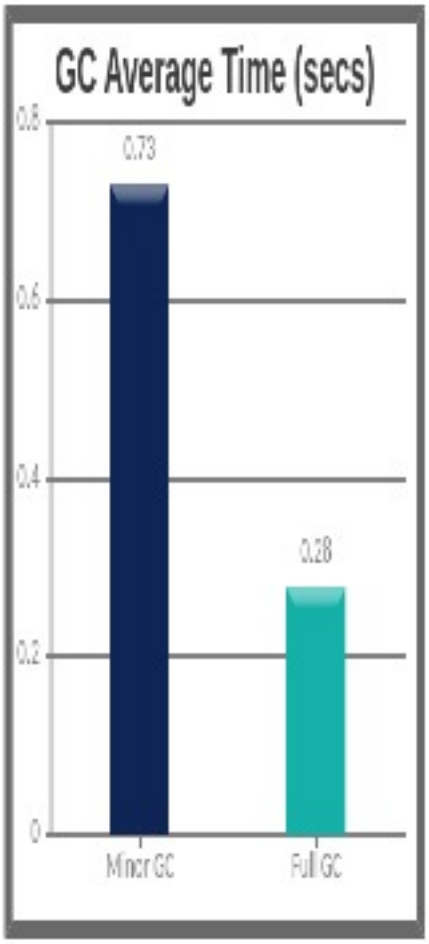

0
Time
Young GC
Full GC


Allocation & Promotion
140
120
100
80
60
40
20
0

GC Statistics







Total GC stats

Total GC count	125
Total reclaimed bytes	1.3 gb
Total GC time	39 sec 541 ms
Avg GC time	316 ms
GC avg time std dev	397 ms
GC min/max time	0 / 1 sec 479 ms
GC Interval avg time	2 sec 352 ms

Minor GC stats

Minor GC count	10
Minor GC reclaimed	453 mb
Minor GC total time	7 sec 277 ms
Minor GC avg time	728 ms
Minor GC avg time std dev	468 ms
Minor GC min/max time	165 ms / 1 sec 479 ms
Minor GC Interval avg	29 sec 94 ms

Full GC stats

Full GC Count	115
Full GC reclaimed	886 mb
Full GC total time	32 sec 264 ms
Full GC avg time	281 ms
Full GC avg time std dev	369 ms
Full GC min/max time	0 / 1 sec 375 ms
Full GC Interval avg	2 sec 182 ms

GC Pause Statistics

Pause Count	125
Pause total time	39 sec 541 ms
Pause avg time	316 ms
Pause avg time std dev	0.0

Pause min/max time	0.71 sec 479 ms

Object Stats

(These are perfect micro-metrics to include in your performance reports)

Total created bytes	1.65 gb
Total promoted bytes	n/a
Avg creation rate	5.78 mb/sec
Avg promotion rate	n/a

Memory Leak

No major memory leaks.

(**Note:** there are 8 flavours of OutOfMemoryErrors. With GC Logs you can diagnose only 5 flavours of them(Java heap space, GC overhead limit exceeded, Requested array size exceeds VM limit, Permgen space, Metaspace). So in other words, your application could be still suffering from memory leaks, but need other tools to diagnose them, not just GC Logs.)

GC Logs.)

Long Pause

None.

Safe Point Duration

(To learn more about SafePoint duration, click here)

Not Reported in the log.

GC Causes

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

Cause	Count	Avg Time	Max Time	Total Time	Time %
Full GC - Allocation Failure	27	912 ms	1 sec 375 ms	24 sec 621 ms	62.27%

Others	58	n/a	n/a	7 sec 643 ms	19.33%
Allocation Failure	10	728 ms	1 sec 479 ms	7 sec 277 ms	18.4%
Total	125	n/a	n/a	39 sec 541 ms	100.0%

Tenuring Summary

Not reported in the log.

Command Line Flags

Not reported in the log.