

使用压测工具（wrk 或 sb），演练 gateway-server-0.0.1-SNAPSHOT.jar 示例。

串行GC

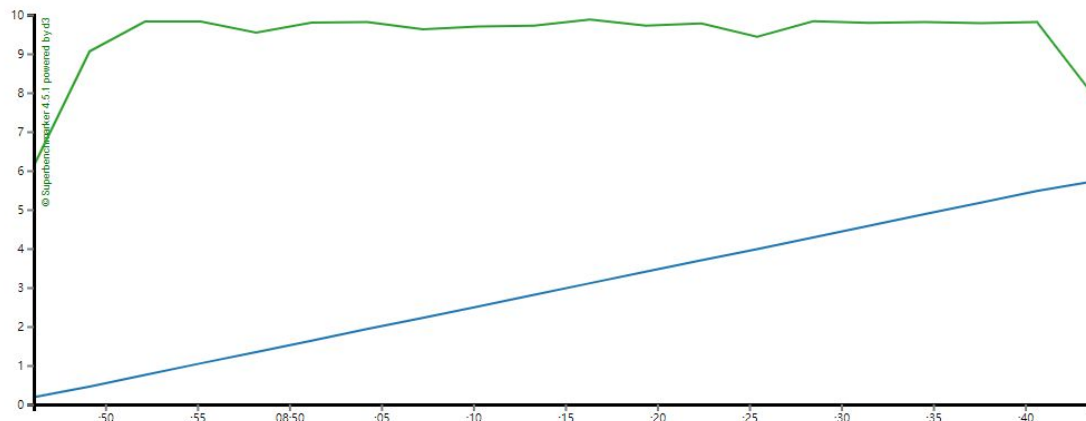
```
java -jar -XX:+UseSerialGC -Xms512m -Xmx512m  
week02/gateway-server-0.0.1-SNAPSHOT.jar
```

```
C:\Users\Administrator>sb -u http://localhost:8088/api/hello -c 20 -N 60  
Starting at 2020/10/28 20:49:39  
[Press C to stop the test]  
572084 (RPS: 9007.8)  
-----Finished!-----  
Finished at 2020/10/28 20:50:43 (took 00:01:03.5366945)  
Status 200: 572089
```

```
RPS: 9371.6 (requests/second)  
Max: 218ms  
Min: 0ms  
Avg: 0ms
```

```
50% below 0ms  
60% below 0ms  
70% below 0ms  
80% below 0ms  
90% below 0ms  
95% below 0ms  
98% below 0ms  
99% below 2ms  
99.9% below 3ms
```

```
C:\Users\Administrator>
```



☒ Total Requests (x100000) ☒ RPS (x1000) ☐ Concurrency (x10) ☒ Response Time - median (x0) ☐ Response Time - average (x0.1)

Requests: 572089

RPS: 9371.6

90th Percentile: 0ms

95th Percentile: 0ms

99th Percentile: 2ms

Average: 0ms

Min: 0ms

Max: 218ms

Status: finished

Start time: 2020-10-28T20:49:43.075-05:00

Finish time: 2020-10-28T20:50:44.121-05:00

Command: "C:\ProgramData\chocolatey\lib\SuperBenchmark\tools\sb.exe" -u
http://localhost:8088/api/hello -c 20 -N 60

Status breakdown:

- 200: 572089

并行GC

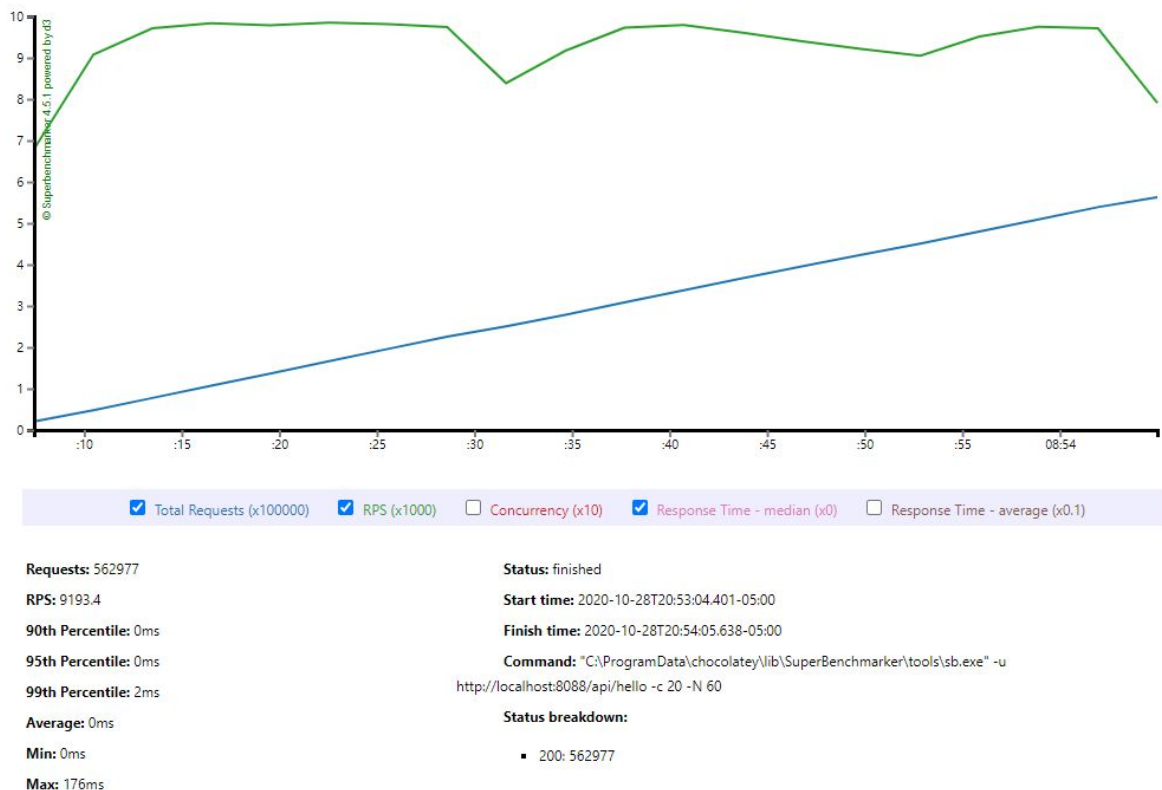
java -jar -XX:+UseParallelGC -Xms512m -Xmx512m
week02\gateway-server-0.0.1-SNAPSHOT.jar

```
C:\Users\Administrator>sb -u http://localhost:8088/api/hello -c 20 -N 60
Starting at 2020/10/28 20:53:00
[Press C to stop the test]
562975 (RPS: 8866.7)
-----Finished!-----
Finished at 2020/10/28 20:54:04 (took 00:01:03.7248950)
Status 200: 562977

RPS: 9193.4 (requests/second)
Max: 176ms
Min: 0ms
Avg: 0ms

50% below 0ms
60% below 0ms
70% below 0ms
80% below 0ms
90% below 0ms
95% below 0ms
98% below 0ms
99% below 2ms
99.9% below 3ms

C:\Users\Administrator>
```



CMS GC

java -jar -XX:+UseConcMarkSweepGC -Xms512m -Xmx512m
week02\gateway-server-0.0.1-SNAPSHOT.jar

```

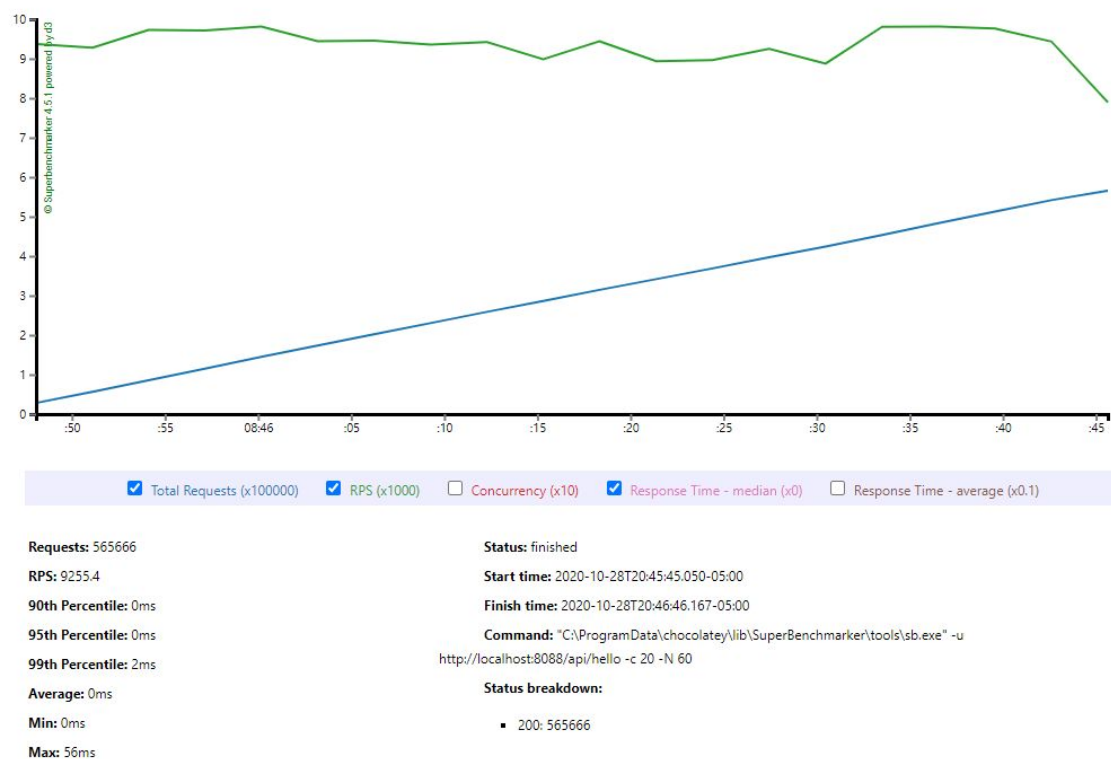
C:\Users\Administrator>sb -u http://localhost:8088/api/hello -c 20 -N 60
Starting at 2020/10/28 20:45:41
[Press C to stop the test]
565663 (RPS: 8908.4)
-----Finished!-----
Finished at 2020/10/28 20:46:45 (took 00:01:03.6063851)
Status 200: 565666

RPS: 9255.4 (requests/second)
Max: 56ms
Min: 0ms
Avg: 0ms

50% below 0ms
60% below 0ms
70% below 0ms
80% below 0ms
90% below 0ms
95% below 0ms
98% below 0ms
99% below 2ms
99.9% below 3ms

C:\Users\Administrator>

```



G1 GC

```

java -jar -XX:+UseG1GC -Xms512m -Xmx512m
week02\gateway-server-0.0.1-SNAPSHOT.jar

```

```

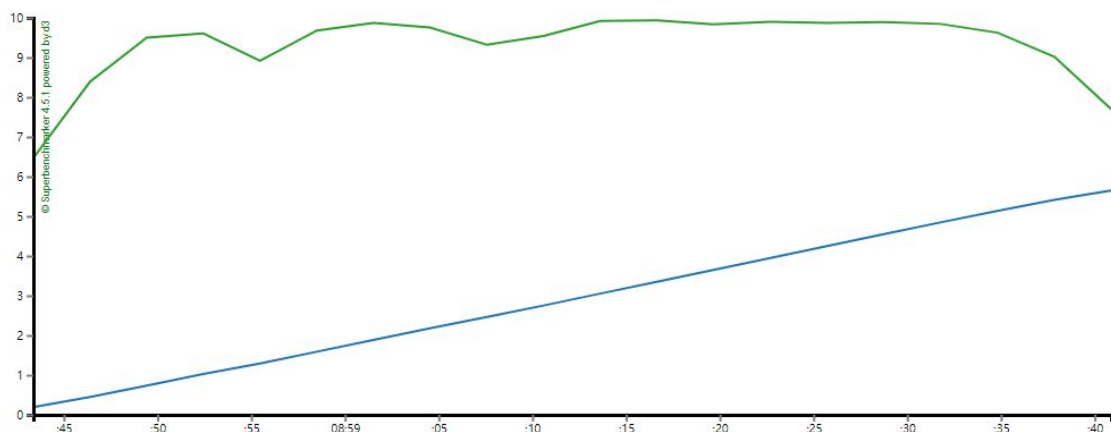
C:\Users\Administrator>sb -u http://localhost:8088/api/hello -c 20 -N 60
Starting at 2020/10/28 20:58:36
[Press C to stop the test]
564678 (RPS: 8895.2)
-----Finished!-----
Finished at 2020/10/28 20:59:40 (took 00:01:03.6051373)
Status 200: 564685

RPS: 9236.9 (requests/second)
Max: 173ms
Min: 0ms
Avg: 0ms

50% below 0ms
60% below 0ms
70% below 0ms
80% below 0ms
90% below 0ms
95% below 0ms
98% below 0ms
99% below 2ms
99.9% below 4ms

C:\Users\Administrator>

```



☒ Total Requests (x100000)
 ☒ RPS (x1000)
 ☐ Concurrency (x10)
 ☒ Response Time - median (x0)
 ☐ Response Time - average (x0.1)

Requests: 564685

RPS: 9236.9

90th Percentile: 0ms

95th Percentile: 0ms

99th Percentile: 2ms

Average: 0ms

Min: 0ms

Max: 173ms

Status: finished

Start time: 2020-10-28T20:58:40.346-05:00

Finish time: 2020-10-28T20:59:41.480-05:00

Command: "C:\ProgramData\chocolatey\lib\SuperBenchmarker\tools\sb.exe" -u http://localhost:8088/api/hello -c 20 -N 60

Status breakdown:

- 200: 564685