



env.txt  
614B

环境:

jdk 1.8.0\_221

```
C:\WINDOWS\system32>java -version
java version "1.8.0_221"
Java(TM) SE Runtime Environment (build 1.8.0_221-b11)
Java HotSpot(TM) 64-Bit Server VM (build 25.221-b11, mixed mode)
```

操作系统: Window10

CUP: 12核 24线程。amd 3900x

内存: 16G

基准速度: 4.00 GHz

插槽: 1

内核: 12

逻辑处理器: 24

运行项目: 老师提供的gateway-server工程

压测参数: sb -u http://localhost:8088/api/hello -c 50 -N 60

## 测试一参数设置: 串行

-XX:+PrintGCDetails -XX:+UseSerialGC -Xms512m -Xmx512m -

XX:+PrintGCDateStamps

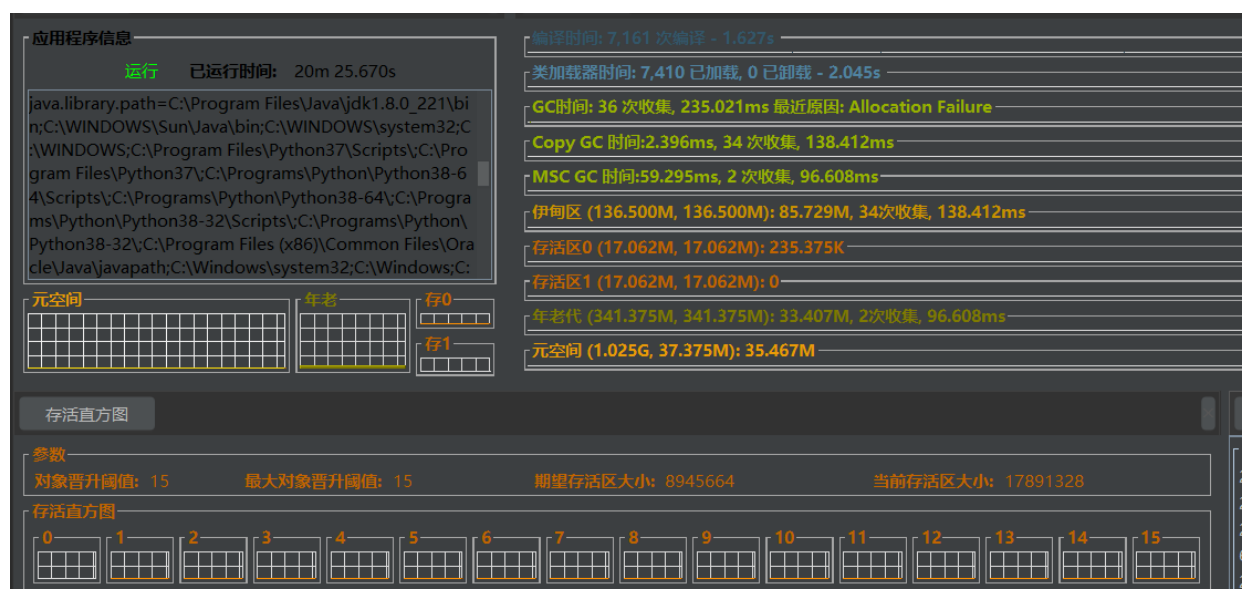
```

PS C:\Users\W10> sb -u http://localhost:8088/api/hello -c 50 -N 60
Starting at 2020/10/25 22:46:17
[Press C to stop the test]
10616 (RPS: 167.4)
-----Finished!-----
Finished at 2020/10/25 22:47:20 (took 00:01:03.4559989)
10638 (RPS: 167.7) Status 200: 10638

RPS: 174.1 (requests/second)
Max: 1133ms
Min: 4ms
Avg: 281.8ms

50% below 270ms
60% below 301ms
80% below 381ms
90% below 445ms
95% below 503ms
98% below 586ms
99% below 654ms
99.9% below 987ms

```



-XX:+PrintGCDetails -XX:+UseSerialGC -Xms2048m -Xmx2048m -  
XX:+PrintGCDateStamps

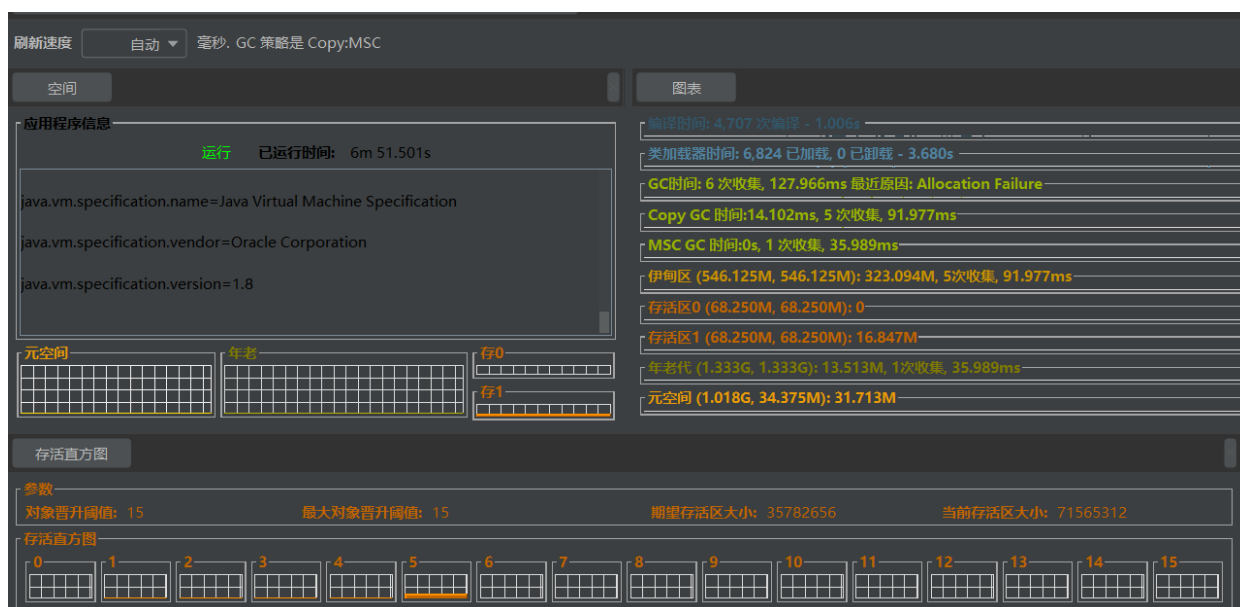
```

PS C:\Users\W10> sb -u http://localhost:8088/api/hello -c 50 -N 60
Starting at 2020/10/25 23:01:09
[Press C to stop the test]
10570 (RPS: 166.4)
-----Finished!-----
Finished at 2020/10/25 23:02:13 (took 00:01:03.5660006)
10602 (RPS: 166.9) Status 200: 10602

RPS: 173.5 (requests/second)
Max: 1399ms
Min: 4ms
Avg: 282.8ms

50% below 272ms
60% below 302ms
80% below 375ms
90% below 439ms
95% below 496ms
98% below 573ms
99% below 645ms
99.9% below 1046ms

```



## 测试二参数设置：并行

-XX:+PrintGCDetails -XX:+UseParallelGC -Xms512m -Xmx512m -XX:+PrintGCDateStamps

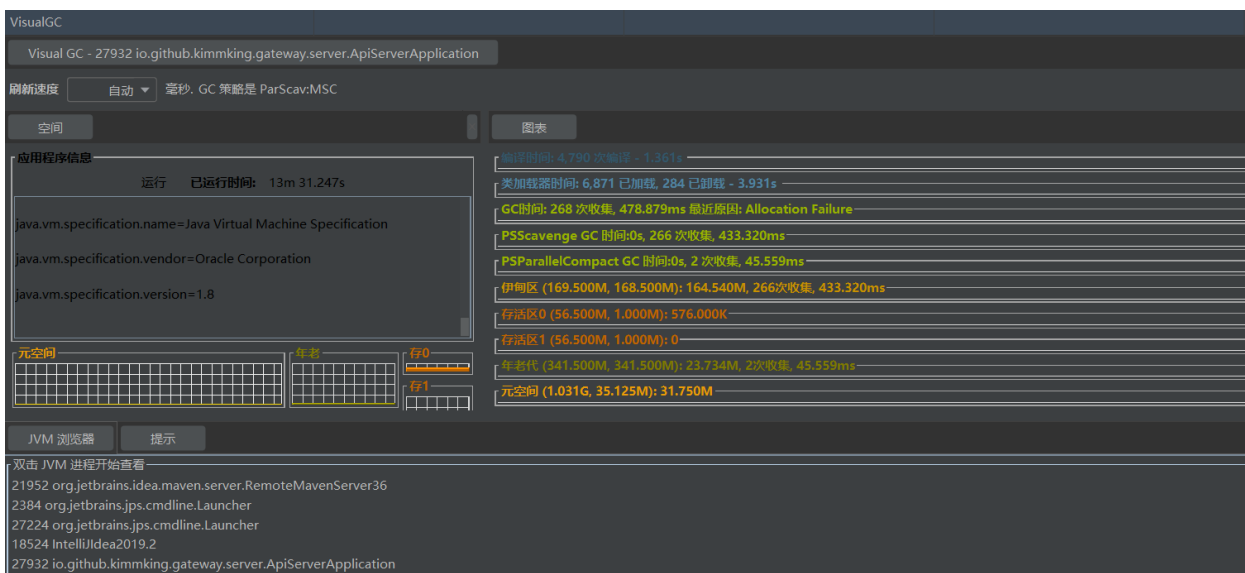
```

PS C:\Users\W10> sb -u http://localhost:8088/api/hello -c 50 -N 60
Starting at 2020/10/25 23:10:33
[Press C to stop the test]
409610 (RPS: 6461.1)
-----Finished!-----
Finished at 2020/10/25 23:11:37 (took 00:01:03.4345206)
Status 200: 409638

RPS: 6711.9 (requests/second)
Max: 163ms
Min: 0ms
Avg: 0.1ms

50% below 0ms
60% below 0ms
80% below 0ms
90% below 0ms
95% below 0ms
98% below 3ms
99% below 4ms
99.9% below 8ms

```



-XX:+PrintGCDetails -XX:+UseParallelGC -Xms2048m -Xmx2048m -  
XX:+PrintGCDateStamps

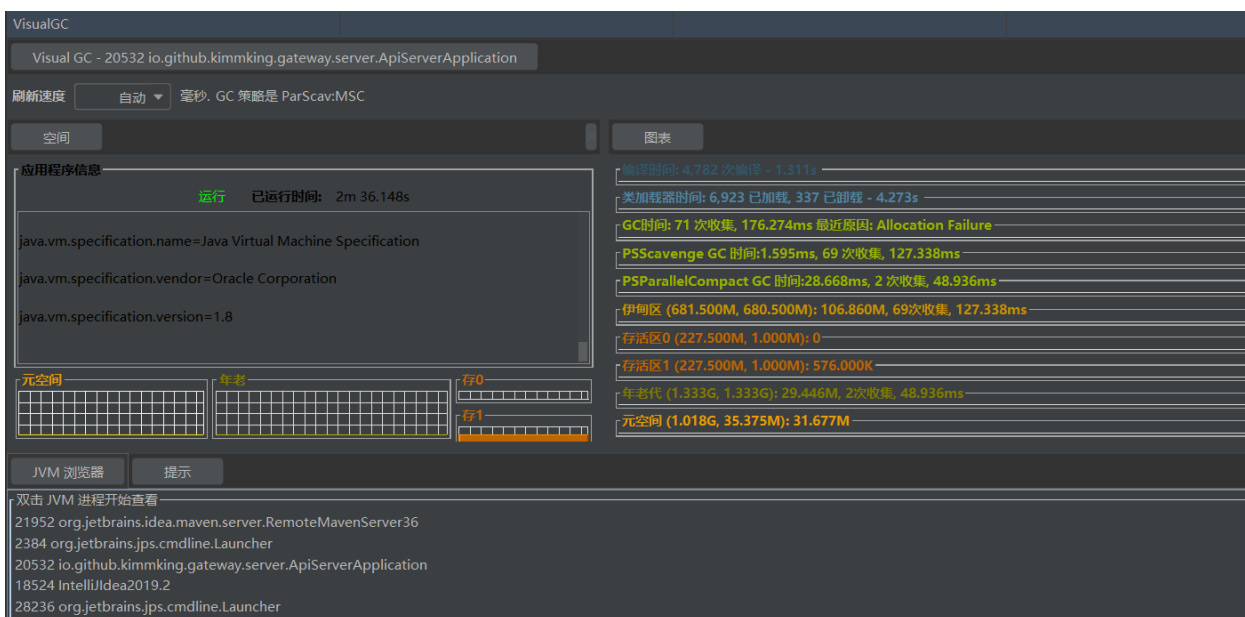
```

PS C:\Users\W10> sb -u http://localhost:8088/api/hello -c 50 -N 60
Starting at 2020/10/25 23:24:46
[Press C to stop the test]
417086 (RPS: 6586)1)
417099 (RPS: 6586)9)
417101 (RPS: 6586)
417082 (RPS: 6586)9)
-----Finished!-----
Finished at 2020/10/25 23:25:50 (took 00:01:03.3600075)
Status 200: 417107

RPS: 6834.5 (requests/second)
Max: 185ms
Min: 0ms
Avg: 0.1ms

50% below 0ms
60% below 0ms
80% below 0ms
90% below 0ms
95% below 0ms
98% below 1ms
99% below 4ms
99.9% below 6ms

```



## 测试三参数设置：CMS(并发)

-XX:+PrintGCDetails -XX:+UseConcMarkSweepGC -Xms4096m -Xmx4096m -XX:+PrintGCDateStamps

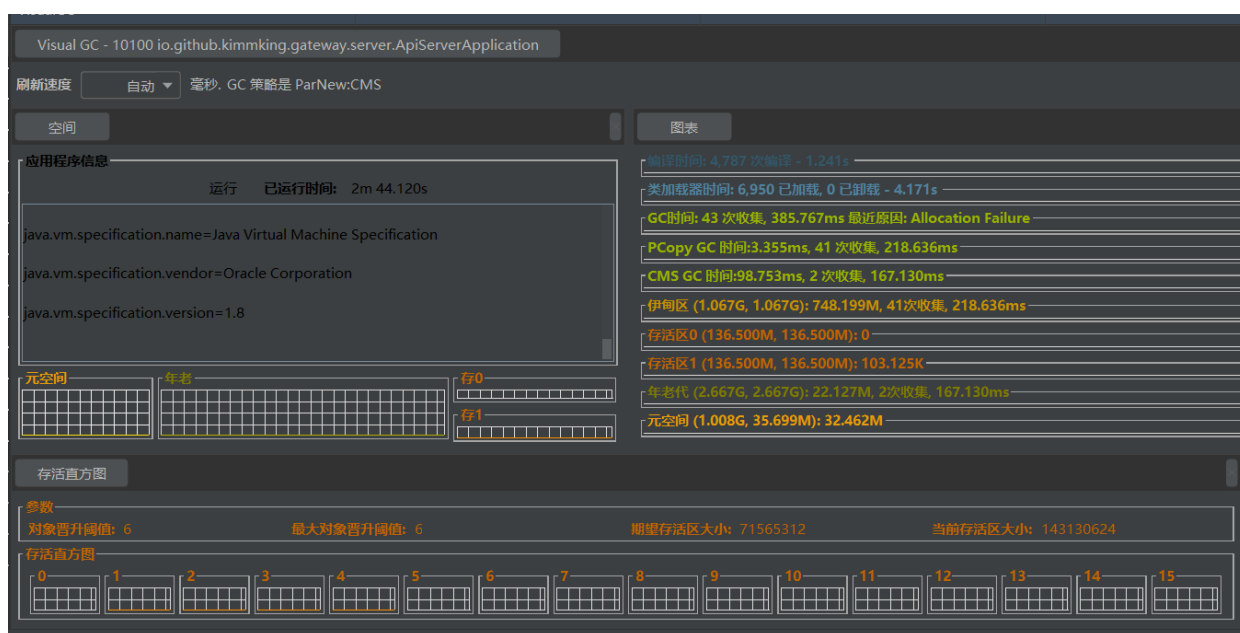
```

PS C:\Users\W10> sb -u http://localhost:8088/api/hello -c 50 -N 60
Starting at 2020/10/25 23:29:21
[Press C to stop the test]
415738 (RPS: 6571.2)
-----Finished!-----
Finished at 2020/10/25 23:30:25 (took 00:01:03.4909998)
Status 200: 415745

RPS: 6790.8 (requests/second)
Max: 180ms
Min: 0ms
Avg: 0.1ms

50% below 0ms
60% below 0ms
70% below 0ms
80% below 0ms
90% below 0ms
95% below 0ms
98% below 4ms
99% below 4ms
99.9% below 8ms

```



## 测试四参数设置: G1

-XX:+PrintGC -XX:+UseG1GC -Xms4096m -Xmx4096m -XX:+PrintGCDateStamps

```
PS C:\Users\W10> sb -u http://localhost:8088/api/hello -c 50 -N 60
Starting at 2020/10/25 23:34:00
[Press C to stop the test]
415127 (RPS: 6563.3)
-----Finished!-----
Finished at 2020/10/25 23:35:04 (took 00:01:03.4519983)
Status 200: 415130

RPS: 6782.7 (requests/second)
Max: 155ms
Min: 0ms
Avg: 0.1ms

50% below 0ms
60% below 0ms
70% below 0ms
80% below 0ms
90% below 0ms
95% below 0ms
98% below 4ms
99% below 4ms
99.9% below 8ms
```

