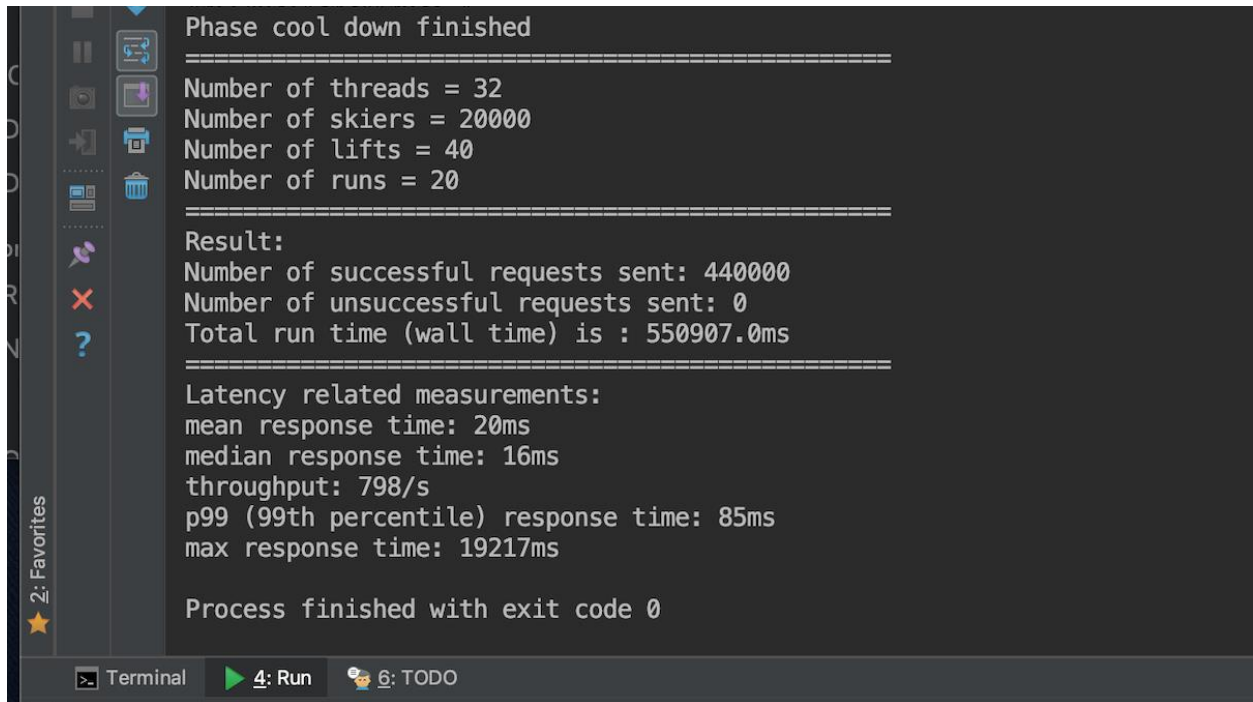


## Client3

Single Server:

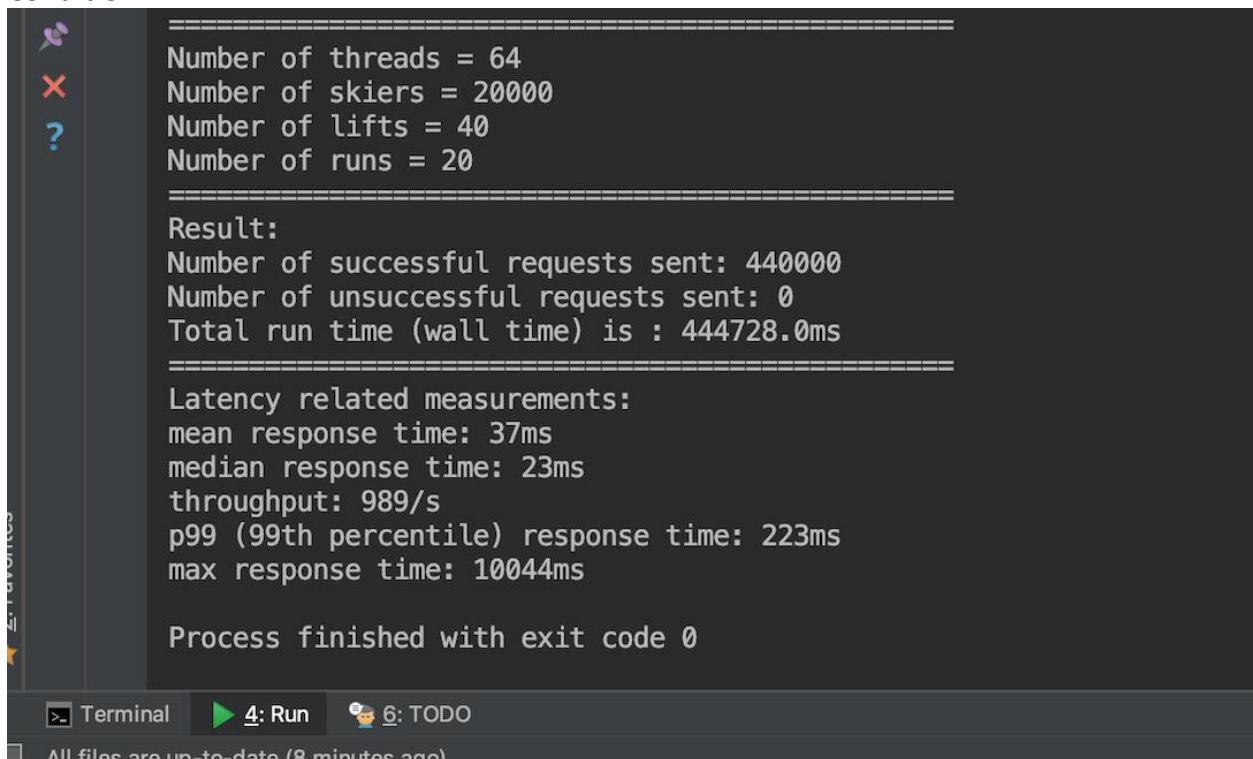
### Condition 1:



```
Phase cool down finished
=====
Number of threads = 32
Number of skiers = 20000
Number of lifts = 40
Number of runs = 20
=====
Result:
Number of successful requests sent: 440000
Number of unsuccessful requests sent: 0
Total run time (wall time) is : 550907.0ms
=====
Latency related measurements:
mean response time: 20ms
median response time: 16ms
throughput: 798/s
p99 (99th percentile) response time: 85ms
max response time: 19217ms

Process finished with exit code 0
```

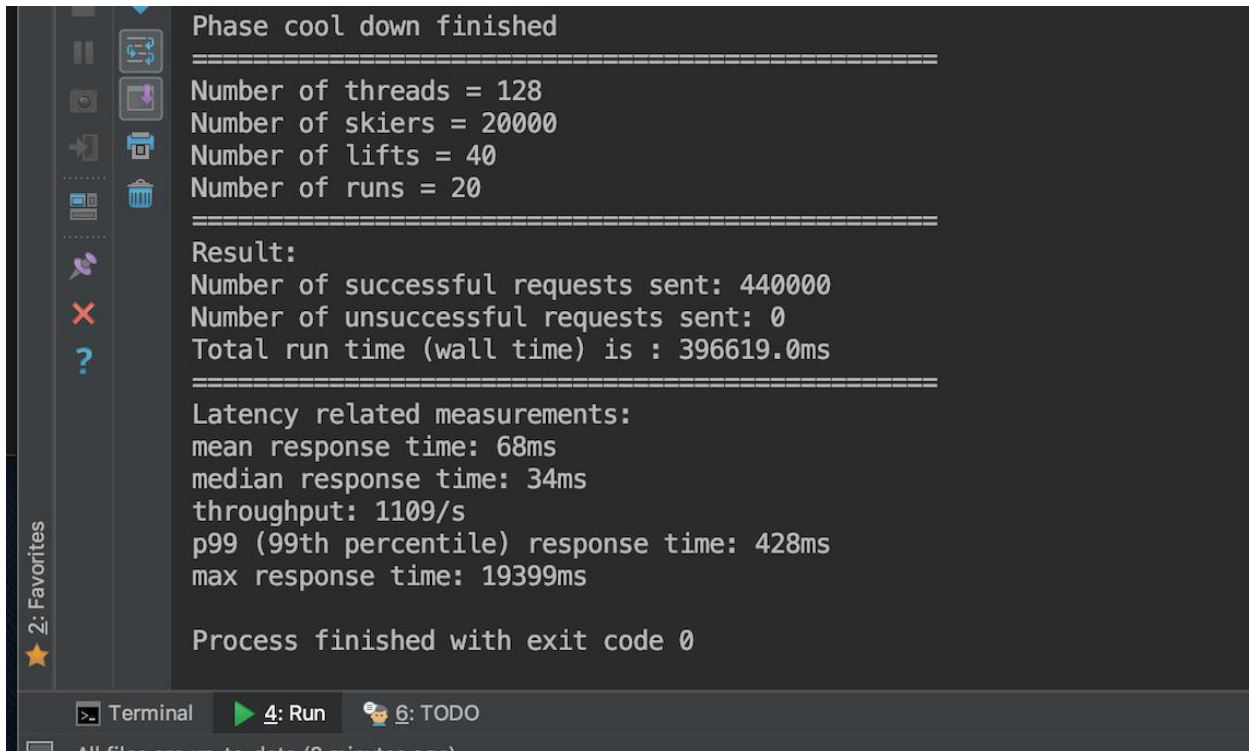
### Condition 2:



```
=====
Number of threads = 64
Number of skiers = 20000
Number of lifts = 40
Number of runs = 20
=====
Result:
Number of successful requests sent: 440000
Number of unsuccessful requests sent: 0
Total run time (wall time) is : 444728.0ms
=====
Latency related measurements:
mean response time: 37ms
median response time: 23ms
throughput: 989/s
p99 (99th percentile) response time: 223ms
max response time: 10044ms

Process finished with exit code 0
```

### Condition 3:



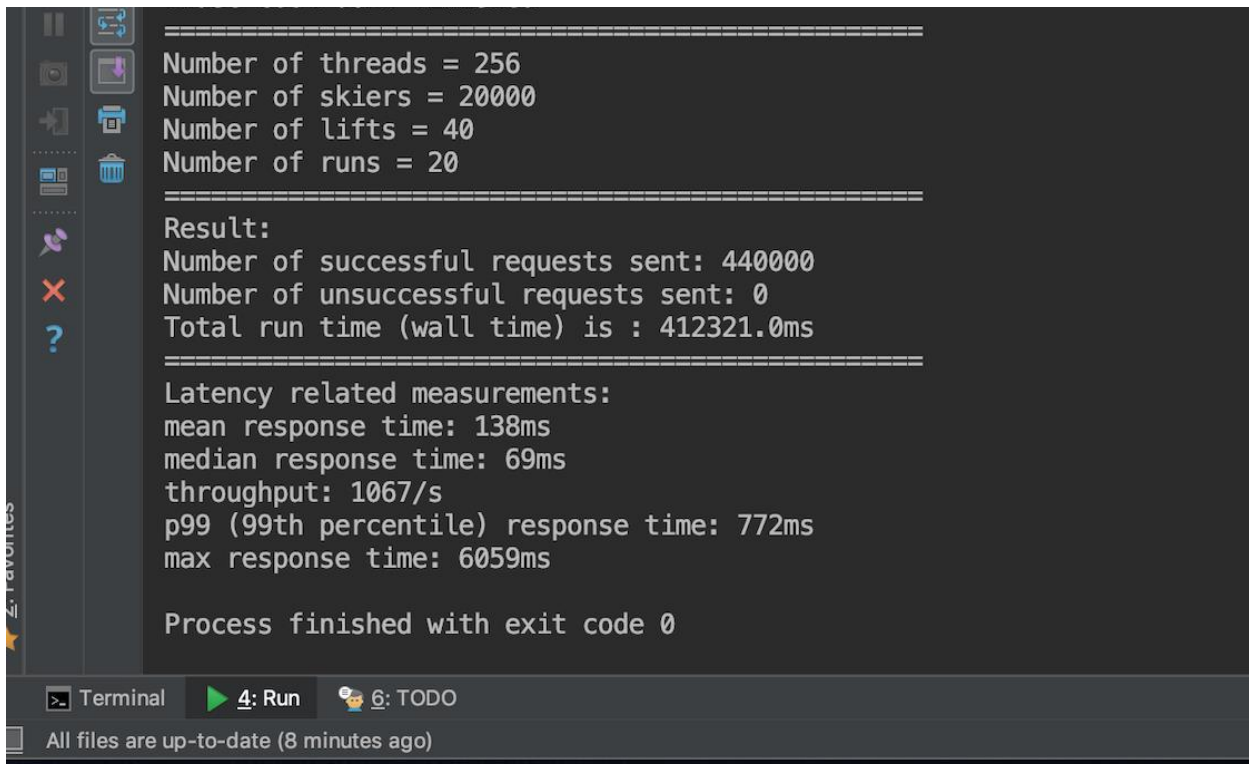
```
Phase cool down finished
=====
Number of threads = 128
Number of skiers = 20000
Number of lifts = 40
Number of runs = 20
=====
Result:
Number of successful requests sent: 440000
Number of unsuccessful requests sent: 0
Total run time (wall time) is : 396619.0ms
=====
Latency related measurements:
mean response time: 68ms
median response time: 34ms
throughput: 1109/s
p99 (99th percentile) response time: 428ms
max response time: 19399ms

Process finished with exit code 0
```

Terminal 4: Run 6: TODO

All files are up-to-date (8 minutes ago)

### Condition 4:



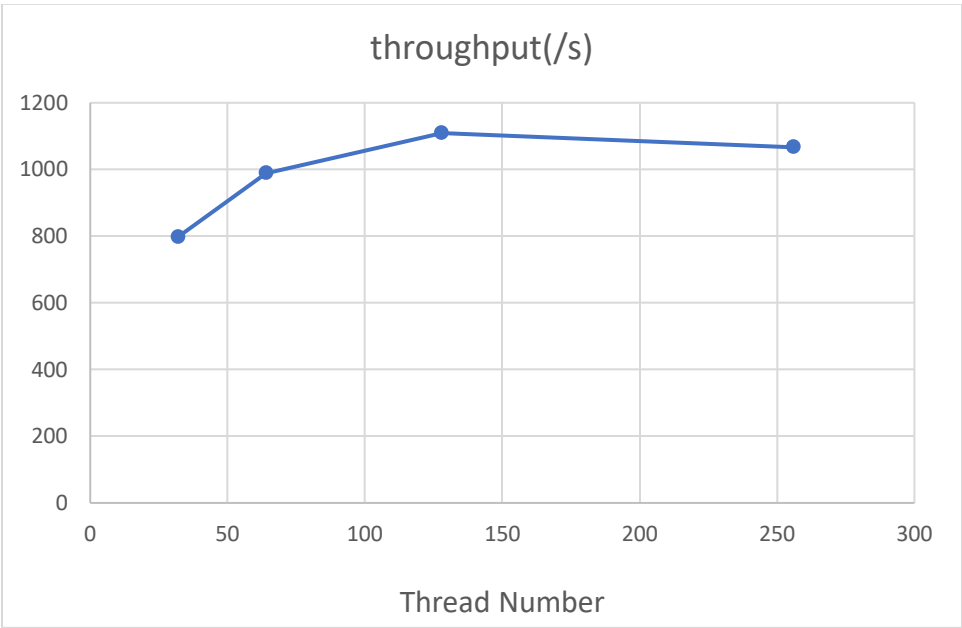
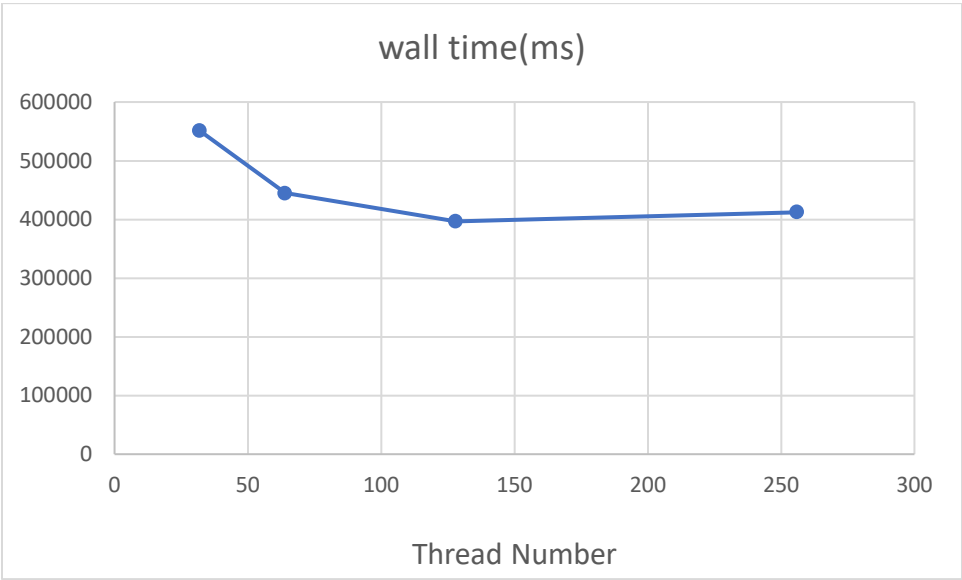
```
=====
Number of threads = 256
Number of skiers = 20000
Number of lifts = 40
Number of runs = 20
=====
Result:
Number of successful requests sent: 440000
Number of unsuccessful requests sent: 0
Total run time (wall time) is : 412321.0ms
=====
Latency related measurements:
mean response time: 138ms
median response time: 69ms
throughput: 1067/s
p99 (99th percentile) response time: 772ms
max response time: 6059ms

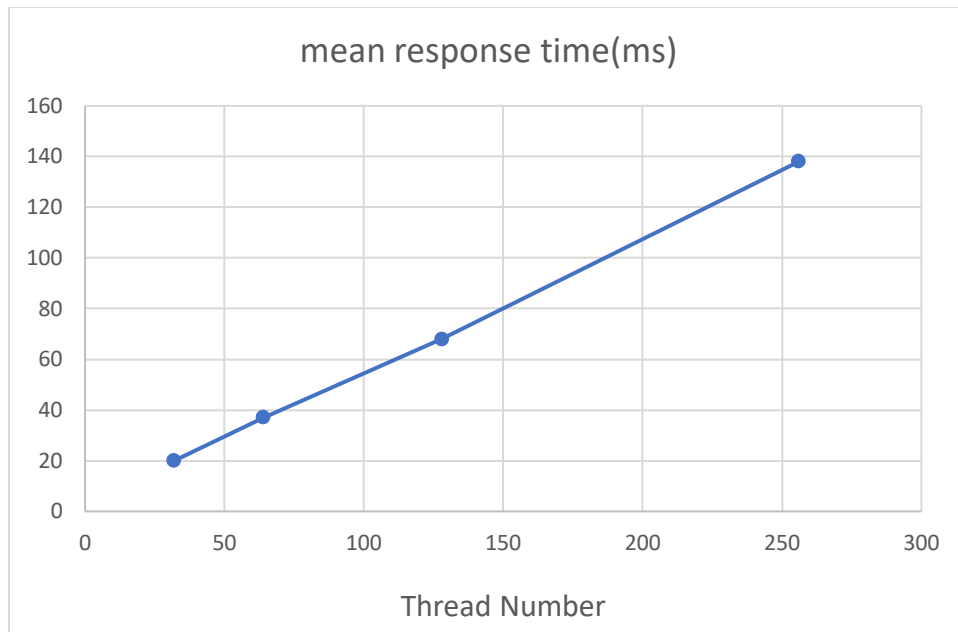
Process finished with exit code 0
```

Terminal 4: Run 6: TODO

All files are up-to-date (8 minutes ago)

Chart:





## Client3

### With load balancing

#### Condition 1:

```
Phase cool down finished
=====
Number of threads = 32
Number of skiers = 20000
Number of lifts = 40
Number of runs = 20
=====
Result:
Number of successful requests sent: 440000
Number of unsuccessful requests sent: 0
Total run time (wall time) is : 490923.0ms
=====
Latency related measurements:
mean response time: 18ms
median response time: 16ms
throughput: 896/s
p99 (99th percentile) response time: 37ms
max response time: 9911ms

Process finished with exit code 0
```

2: Favorites

Terminal 4: Run 6: TODO

All files are up-to-date (8 minutes ago)

### Condition 2:

```
Phase cool down finished
=====
Number of threads = 64
Number of skiers = 20000
Number of lifts = 40
Number of runs = 20
=====
Result:
Number of successful requests sent: 440000
Number of unsuccessful requests sent: 0
Total run time (wall time) is : 344318.0ms
=====
Latency related measurements:
mean response time: 24ms
median response time: 19ms
throughput: 1277/s
p99 (99th percentile) response time: 85ms
max response time: 10042ms

Process finished with exit code 0
```

2: Favorites

Terminal 4: Run 6: TODO

All files are up-to-date (16 minutes ago)

### Condition 3:

```
Phase cool down finished
=====
Number of threads = 128
Number of skiers = 20000
Number of lifts = 40
Number of runs = 20
=====
Result:
Number of successful requests sent: 440000
Number of unsuccessful requests sent: 0
Total run time (wall time) is : 349542.0ms
=====
Latency related measurements:
mean response time: 56ms
median response time: 34ms
throughput: 1258/s
p99 (99th percentile) response time: 422ms
max response time: 10081ms

Process finished with exit code 0
```

2: Favorites

Terminal 4: Run 6: TODO

All files are up-to-date (7 minutes ago)

#### Condition 4:

```
Phase cool down finished
=====
Number of threads = 256
Number of skiers = 20000
Number of lifts = 40
Number of runs = 20
=====

Result:
Number of successful requests sent: 440000
Number of unsuccessful requests sent: 0
Total run time (wall time) is : 328414.0ms
=====

Latency related measurements:
mean response time: 104ms
median response time: 44ms
throughput: 1339/s
p99 (99th percentile) response time: 830ms
max response time: 10104ms

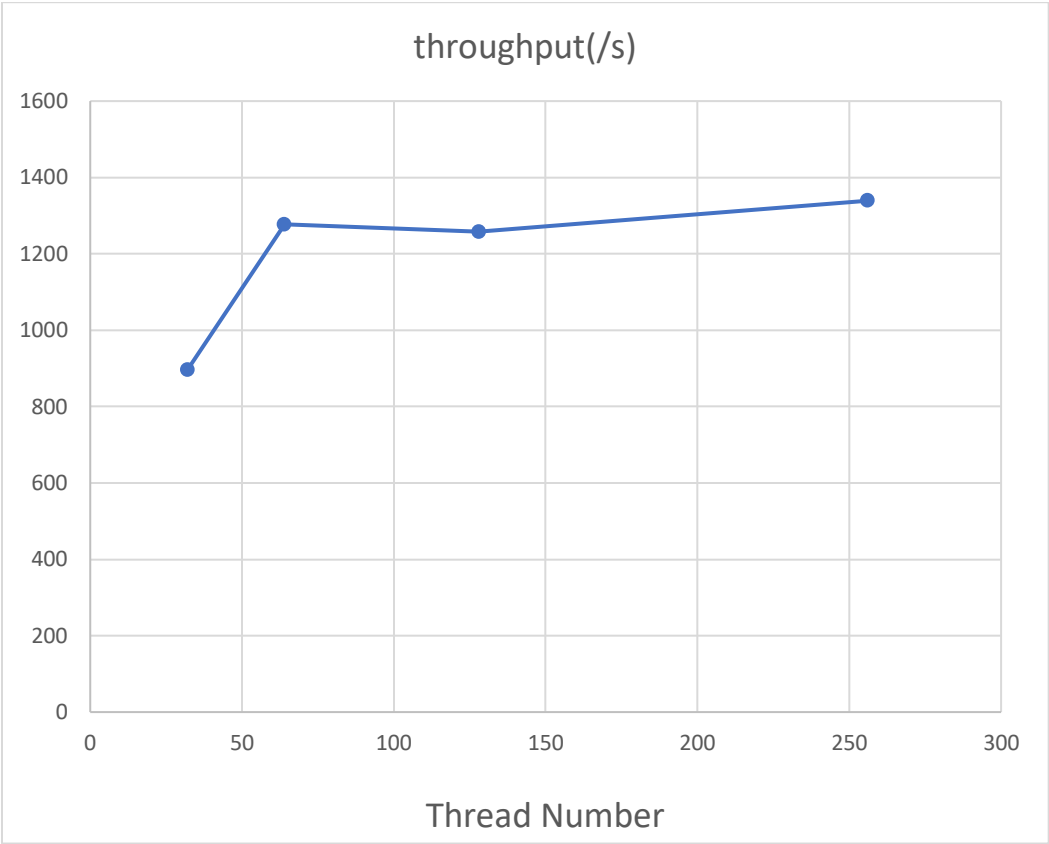
Process finished with exit code 0
```

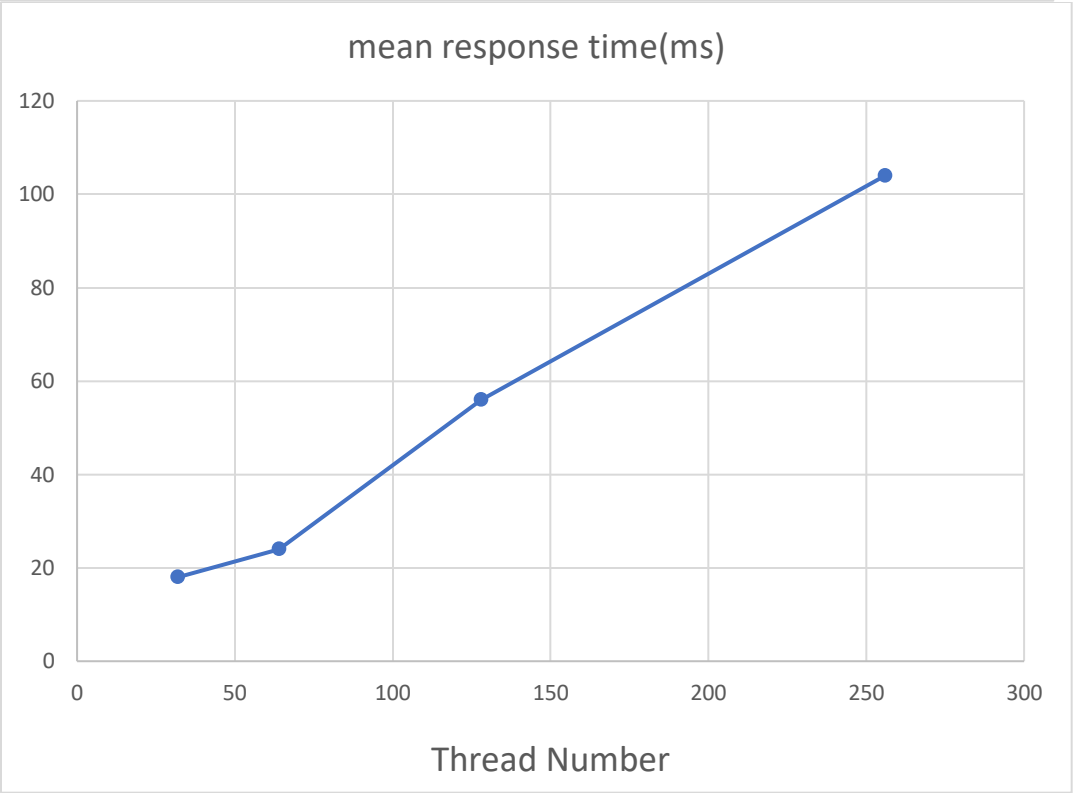
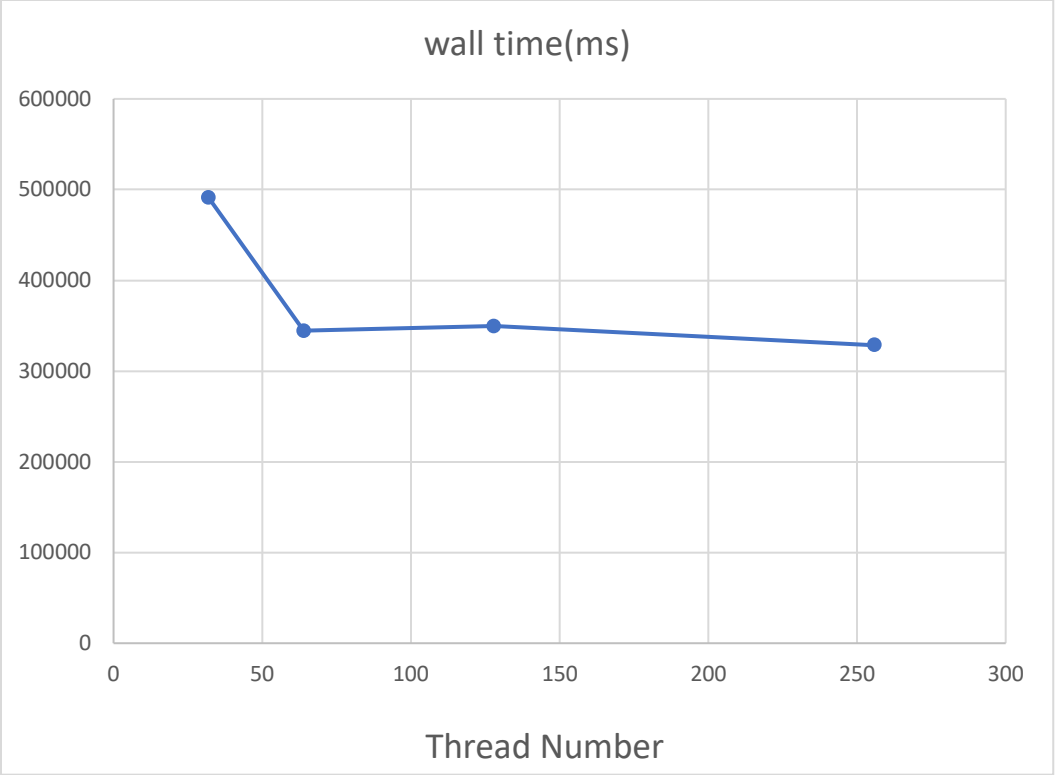
2: Favorites

Terminal 4: Run 6: TODO

All files are up-to-date (5 minutes ago)

Chart:







## Server-side latency record with single server after running with 256 threads:

ec2-54-185-205-172.us-west-2.compute.amazonaws.com:8080/upicServer\_war/statistics/skiers/{resortID}/seasons/... Comments (0) Examples (0)

GET ec2-54-185-205-172.us-west-2.compute.amazonaws.com:8080/upicServer\_war/statistics/skiers/{resortID}/seasons/{...} Send Save

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Code

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Body Cookies Headers (3) Test Results Status: 200 OK Time: 2m 25.00s Size: 376 B Save Response

Pretty Raw Preview Visualize BETA JSON ≡

```
1 {
2   "endpointStats": [
3     {
4       "max": 326,
5       "mean": 114,
6       "operation": "GET",
7       "URL": "/skiers/{resortID}/seasons/{seasonID}/days/{dayID}/skiers/{skierID}"
8     },
9     {
10      "max": 113,
11      "mean": 32,
12      "operation": "POST",
13      "URL": "/skiers/{resortID}/seasons/{seasonID}/days/{dayID}/skiers/{skierID}"
14    }
15  ]
16 }
```