

## Client1

### Condition 1:

Number of threads = 32  
Number of skiers = 20000  
Number of lifts = 40  
Number of runs = 20

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#### Result:

Number of successful requests sent: 400000  
Number of unsuccessful requests sent: 0  
Total run time (wall time) is: 526873.0ms

### Condition 2:

Number of threads = 64  
Number of skiers = 20000  
Number of lifts = 40  
Number of runs = 20

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#### Result:

Number of successful requests sent: 400000  
Number of unsuccessful requests sent: 0  
Total run time (wall time) is : 335065.0ms

### Condition 3:

Number of threads = 128  
Number of skiers = 20000  
Number of lifts = 40  
Number of runs = 20

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#### Result:

Number of successful requests sent: 400000  
Number of unsuccessful requests sent: 0  
Total run time (wall time) is : 272202.0ms

### Condition 4:

Number of threads = 256  
Number of skiers = 20000  
Number of lifts = 40  
Number of runs = 20

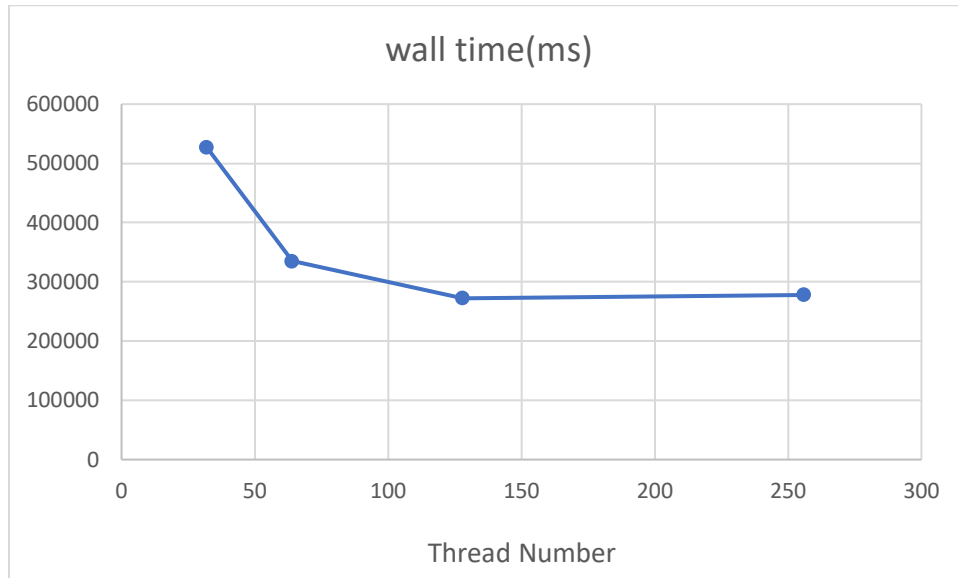
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#### Result:

Number of successful requests sent: 400000

Number of unsuccessful requests sent: 0  
Total run time (wall time) is : 278219.0ms

#### Client 1 Chart:



## Client2

#### Condition 1:

Number of threads = 32  
Number of skiers = 20000  
Number of lifts = 40  
Number of runs = 20

#### Result:

Number of successful requests sent: 400000  
Number of unsuccessful requests sent: 0  
Total run time (wall time) is : 602506.0ms

#### Latency related measurements:

mean response time: 29ms  
median response time: 25ms  
throughput: 663/s  
p99 (99th percentile) response time: 126ms  
max response time: 3439ms

#### Condition 2:

Number of threads = 64  
Number of skiers = 20000  
Number of lifts = 40

Number of runs = 20

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Result:

Number of successful requests sent: 400000

Number of unsuccessful requests sent: 0

Total run time (wall time) is : 376469.0ms

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Latency related measurements:

mean response time: 42ms

median response time: 37ms

throughput: 1062/s

p99 (99th percentile) response time: 163ms

max response time: 4195ms

### **Condition 3:**

Number of threads = 128

Number of skiers = 20000

Number of lifts = 40

Number of runs = 20

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Result:

Number of successful requests sent: 400000

Number of unsuccessful requests sent: 0

Total run time (wall time) is : 358569.0ms

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Latency related measurements:

mean response time: 80ms

median response time: 76ms

throughput: 1115/s

p99 (99th percentile) response time: 320ms

max response time: 4388ms

### **Condition 4:**

Number of threads = 256

Number of skiers = 20000

Number of lifts = 40

Number of runs = 20

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Result:

Number of successful requests sent: 400000

Number of unsuccessful requests sent: 0

Total run time (wall time) is : 274501.0ms

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Latency related measurements:

mean response time: 147ms

median response time: 137ms

throughput: 1457/s

p99 (99th percentile) response time: 705ms

max response time: 8356ms

### Client 2 Chart:

