# Benchmark

- helper/benchmark.py
- Database and backend run in Docker
- Each run for 60 seconds
- Processor: Intel(R) Core(TM) i5-8365U CPU @ 1.60GHz (1.90 GHz)
- 16GB RAM (2133 MT/s)

## 10 terminals

### wait 0.1s

| Query | Count | Mix % | Min(s) | Avg(s) | Max(s) |
|-------|-------|-------|--------|--------|--------|
| Q1 | 820 | 24.6 | 0.006 | 0.018 | 0.091 |
| Q2 | 316 | 9.5 | 0.154 | 0.423 | 0.806 |
| Q3 | 843 | 25.3 | 0.016 | 0.049 | 0.154 |
| Q4 | 364 | 10.9 | 0.012 | 0.037 | 0.127 |
| Q5 | 369 | 11.1 | 0.013 | 0.038 | 0.138 |
| Q6 | 624 | 18.7 | 0.013 | 0.038 | 0.124 |

### wait 1.0s

| Query | Count | Mix % | Min(s) | Avg(s) | Max(s) |
|-------|-------|-------|--------|--------|--------|
| Q1 | 147 | 25.5 | 0.006 | 0.023 | 0.045 |
| Q2 | 64 | 11.1 | 0.131 | 0.168 | 0.214 |
| Q3 | 130 | 22.6 | 0.017 | 0.042 | 0.080 |
| Q4 | 70 | 12.2 | 0.013 | 0.034 | 0.070 |
| Q5 | 50 | 8.7 | 0.014 | 0.035 | 0.070 |
| Q6 | 115 | 20.0 | 0.013 | 0.037 | 0.065 |

## 100 terminals

### wait 0.1s

| Query | Count | Mix % | Min(s) | Avg(s) | Max(s) |
|-------|-------|-------|--------|--------|--------|
| Q1 | 1248 | 24.5 | 0.019 | 0.651 | 1.748 |
| Q2 | 519 | 10.2 | 0.511 | 1.943 | 4.235 |
| Q3 | 1272 | 25.0 | 0.109 | 1.935 | 3.412 |
| Q4 | 522 | 10.3 | 0.045 | 0.724 | 1.730 |
| Q5 | 505 | 9.9 | 0.051 | 0.758 | 1.809 |
| Q6 | 1024 | 20.1 | 0.047 | 0.452 | 1.254 |

### wait 1.0s

| Query | Count | Mix % | Min(s) | Avg(s) | Max(s) |
|-------|-------|-------|--------|--------|--------|
| Q1 | 1088 | 25.5 | 0.006 | 0.181 | 1.126 |
| Q2 | 422 | 9.9 | 0.164 | 1.453 | 4.634 |
| Q3 | 982 | 23.0 | 0.015 | 0.522 | 2.563 |
| Q4 | 455 | 10.7 | 0.012 | 0.247 | 1.170 |
| Q5 | 459 | 10.8 | 0.014 | 0.293 | 1.267 |
| Q6 | 858 | 20.1 | 0.012 | 0.207 | 0.954 |