

## Coverage

The performance report aims to encompass the throughput generated by Kumologica flow for both 0KB and 1KB payloads. The test was conducted with 3 different memory variations and one CPU core.

## Methodology

The test is conducted against a Kumologica flow having API with GET method and no processing nodes involved. The test is executed by running a spike load of 100, 500, 800 and 1000 requests for duration of 1 sec. Similar test will be conducted against the flow having API with a POST method. The flow will act like a passthrough sending the request payload as response. *http\_request\_rate* parameter from the artillery summary will be captured for plotting the throughput.

## Environment

Apple Mac , 16GB DDR3 , i5 Core

## Tooling

Artillery

## Report

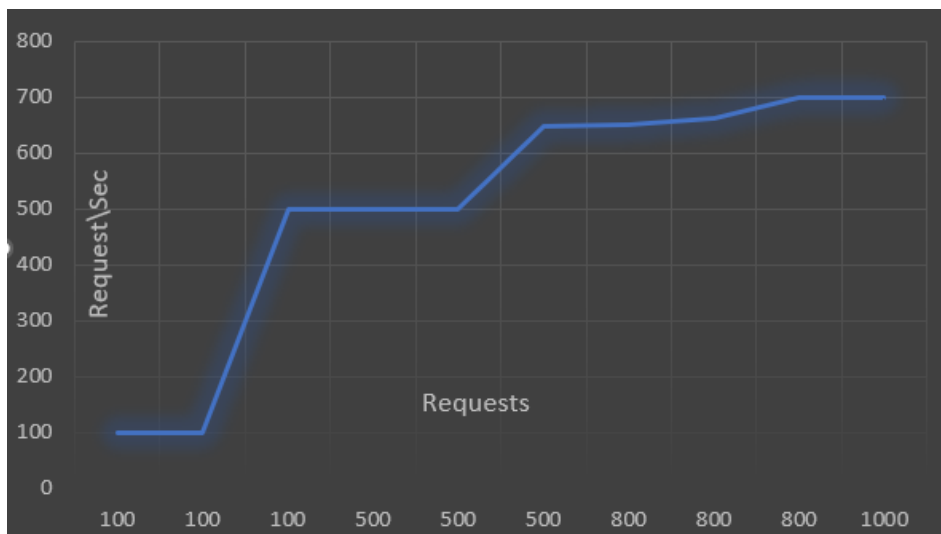
| Requests | Duration | Payload Size | Req/Sec | MaxResponseTime | Memory | CPU |
|----------|----------|--------------|---------|-----------------|--------|-----|
| 100      | 1 sec    | 0KB          | 100     | 7ms             | 1GB    | 1   |
| 100      | 1 sec    | 0KB          | 100     | 5ms             | 2GB    | 1   |
| 100      | 1 sec    | 0KB          | 100     | 4ms             | 4GB    | 1   |
| 500      | 1 sec    | 0KB          | 500     | 33ms            | 1GB    | 1   |
| 500      | 1 sec    | 0KB          | 500     | 30ms            | 2GB    | 1   |
| 500      | 1 sec    | 0KB          | 500     | 30ms            | 4GB    | 1   |
| 800      | 1 sec    | 0KB          | 648     | 310ms           | 1GB    | 1   |
| 800      | 1 sec    | 0KB          | 650     | 300ms           | 2GB    | 1   |
| 800      | 1 sec    | 0KB          | 661     | 280ms           | 4GB    | 1   |
| 1000     | 1 sec    | 0KB          | 699     | 430ms           | 1GB    | 1   |
| 1000     | 1 sec    | 0KB          | 700     | 398ms           | 2GB    | 1   |
| 1000     | 1 sec    | 0KB          | 723     | 392ms           | 4GB    | 1   |
| 100      | 1 sec    | 1KB          | 100     | 15ms            | 1GB    | 1   |
| 100      | 1 sec    | 1KB          | 100     | 13ms            | 2GB    | 1   |
| 100      | 1 sec    | 1KB          | 100     | 10ms            | 4GB    | 1   |
| 500      | 1 sec    | 1KB          | 500     | 55ms            | 1GB    | 1   |
| 500      | 1 sec    | 1KB          | 500     | 54ms            | 2GB    | 1   |
| 500      | 1 sec    | 1KB          | 500     | 48ms            | 4GB    | 1   |

|      |       |     |     |       |     |   |
|------|-------|-----|-----|-------|-----|---|
| 800  | 1 sec | 1KB | 598 | 300ms | 1GB | 1 |
| 800  | 1 sec | 1KB | 599 | 297ms | 2GB | 1 |
| 800  | 1 sec | 1KB | 613 | 295ms | 4GB | 1 |
| 1000 | 1 sec | 1KB | 598 | 101ms | 1GB | 1 |
| 1000 | 1 sec | 1KB | 595 | 97ms  | 2GB | 1 |
| 1000 | 1 sec | 1KB | 557 | 89ms  | 4GB | 1 |

## Summary

Horizontal axis denotes total number of request fired in 1 sec and vertical axis denotes the throughput (request\sec)

### GET method API call with 0 KB payload



### POST method API call with 1 KB payload

