



madanuneeharica/mad Executive Summary Report

Automated load test report and summary for test Course-EDIT-spike-API in organization
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EXECUTIVE SUMMARY - Course-EDIT-spike-API

✓ PASS


Status: **PASS**
 Created: 31 Mar 2024 at 16:02
 Started by: madanuneeharica@gmail.com
 VUs: 100 VUs
 Duration: 6 min 30 sec
 Load zones:
123 reqs/s



Max Throughput
123 reqs/s



HTTP Failures
0 reqs



Avg Response Time
29 ms



95% Response Time
67 ms

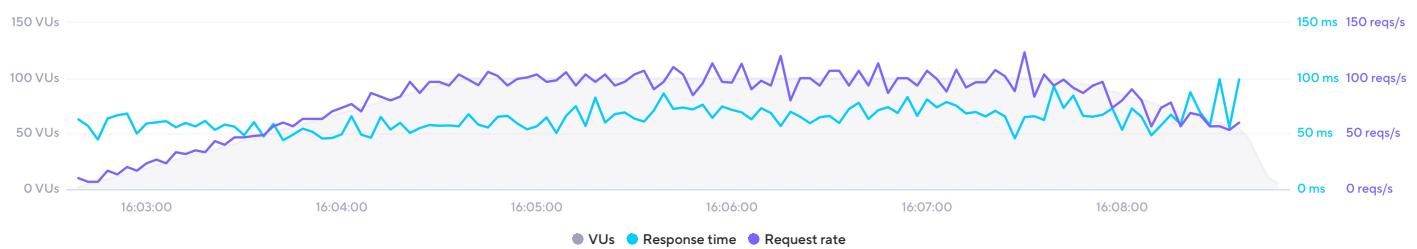
SUMMARY

This report summarizes a test run of the test "Course-EDIT-spike-API". It was performed on March 31, 2024 and is considered to be successful.

The test was configured to run up to **100 VUs** for 6 minutes 30 seconds. A total of **28 800 requests** were made with a max throughput of **123 reqs/s**. The sections below give a more detailed breakdown.

PERFORMANCE OVERVIEW

The 95th percentile response time of the system being tested was **68 ms** and **28 800 requests** were made at an average request rate of **78 requests per second**.



TEST OVERVIEW

CHECKS

The test had **1** different checks that were evaluated a total of **28 800** times, none of which failed.

| CHECK NAME | SUCCESS RATE | SUCCESS COUNT | FAIL COUNT |
|---------------|--------------|---------------|------------|
| Status is 201 | 100% | 28800 | 0 |

THRESHOLDS

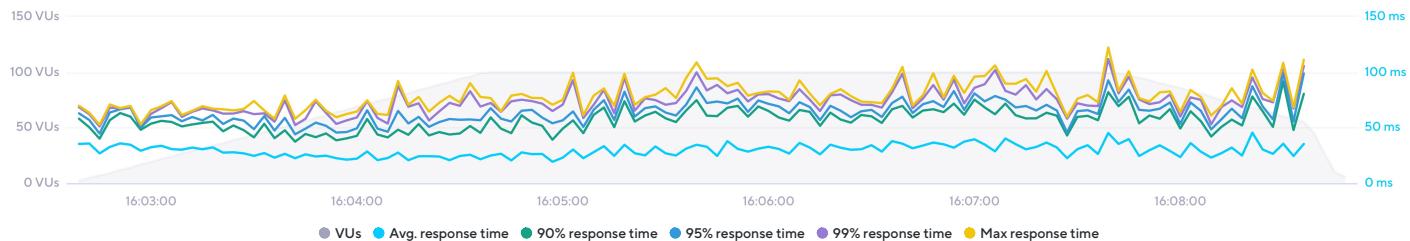
The run met all of its performance expectations, with none of the defined thresholds having been exceeded.

| THRESHOLD NAME | CONDITION | VALUE |
|--------------------------------------|------------|--------|
| ✓ content_size:value<=996 | value<=996 | value= |
| ✓ http_req_blocked:avg<100 | avg<100 | avg= |
| ✓ http_req_duration:p(95)<100 | p(95)<100 | p(95)= |
| ✓ http_req_tls_handshaking:p(95)<500 | p(95)<500 | p(95)= |
| ✓ http_reqs:count>=1 | count>=1 | count= |
| ✓ request_rate:rate==1 | rate==1 | rate= |
| ✓ status_code:count>=0 | count>=0 | count= |
| ✓ failure_rate:rate<0.1 | rate<0.1 | rate= |
| ✓ http_req_connecting:avg<50 | avg<50 | avg= |

| | | | |
|---|----------------------------|--------------|--------|
| ✓ | http_req_failed:rate<0.1 | rate<0.1 | rate= |
| ✓ | http_reqs:count<=50000 | count<=50000 | count= |
| ✓ | latency:p(95)<20000 | p(95)<20000 | p(95)= |
| ✓ | status_code:count<=50000 | count<=50000 | count= |
| ✓ | successful_checks:rate>0.9 | rate>0.9 | rate= |

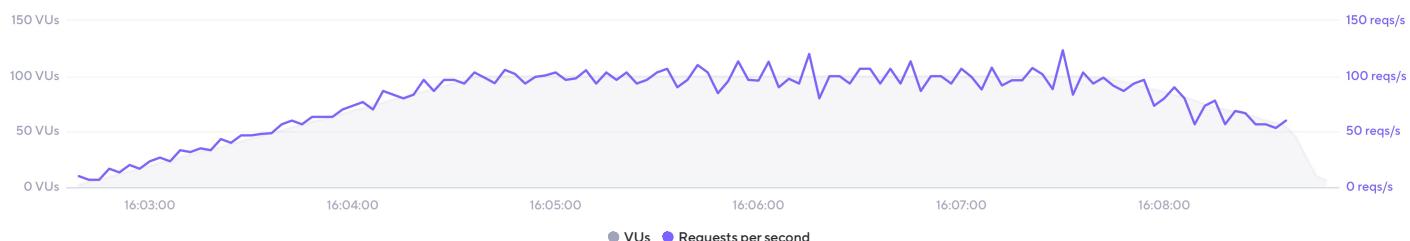
RESPONSE TIME

The maximum response time was **122 ms** at **99 VUs**. The average response time at the same point in time was **45 ms**, with 95% of requests taking less than **93 ms**.



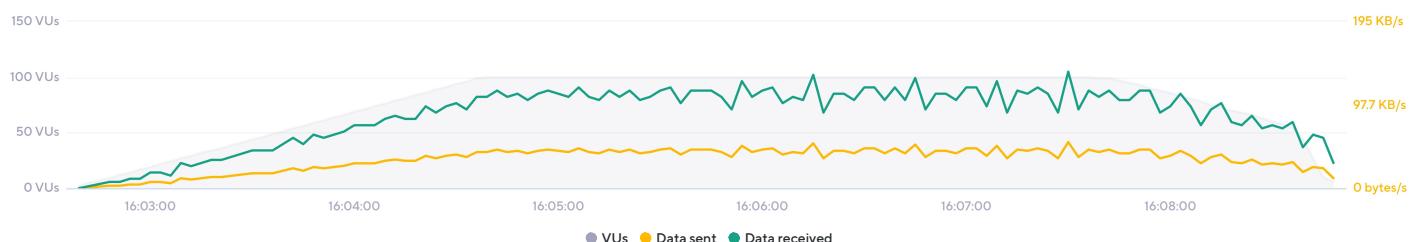
THROUGHPUT

The test had an overall average request rate of **78 reqs/s** peaking at **123 reqs/s** while running **100 VUs**.



BANDWIDTH

The amount of data sent peaked at **100 VUs**, sending **54.1 KB/s** of data. Data received had its peak at **100 VUs** with **137 KB/s** being received.



SLOWEST REQUESTS

There were requests to **6** unique URLs, with **28 800** different responses received. The slowest response had an average response time of **40 ms**.

| URL | METHOD | STATUS | COUNT | MIN | Avg | 95% | 99% | MAX |
|--------------------------|--------|--------|-------|------|-------|-------|-------|--------|
| http://localhost:8884/8 | PUT | 201 | 2880 | 5 ms | 40 ms | 73 ms | 86 ms | 108 ms |
| http://localhost:8884/3 | PUT | 201 | 2880 | 4 ms | 39 ms | 71 ms | 85 ms | 104 ms |
| http://localhost:8884/10 | PUT | 201 | 2880 | 5 ms | 38 ms | 70 ms | 86 ms | 109 ms |
| http://localhost:8884/9 | PUT | 201 | 5760 | 4 ms | 27 ms | 67 ms | 80 ms | 119 ms |
| http://localhost:8884/7 | PUT | 201 | 5760 | 4 ms | 27 ms | 65 ms | 80 ms | 112 ms |
| http://localhost:8884/5 | PUT | 201 | 8640 | 3 ms | 24 ms | 63 ms | 80 ms | 122 ms |

VOCABULARY



VUs

A Virtual User is a simulation of a real user making requests to the system. Multiple VUs are executed concurrently to simulate traffic to the website or API.



Throughput

The amount of transactions the system under test can process, showing the capacity of the website or application.



Checks

A check is an assertion that the system under test behaves correctly, e.g. that it returns the correct status code. They do not halt the execution of the test, but acts as a pass/fail metric.



Response Time

The time from sending the request, processing it on the server side, to the time the client received the first byte.



Latency

The time that data sent or received spends on the wire, i.e. from the start of data being transmitted until all the data has been sent.



Thresholds

Thresholds are a pass/fail criteria used to specify the performance expectations of the system under test.



ABOUT GRAFANA CLOUD k6

Grafana Cloud k6 is the modern performance testing platform that brings cross-functional teams together to prevent system failures and consistently deliver fast and reliable applications. For more information, visit <https://grafana.com/products/cloud/k6/>.