



madanuneeharica/mad Executive Summary Report

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

✖ FAIL


Status: **FAIL**
 Created: 31 Mar 2024 at 16:09
 Started by: madanuneharica@gmail.com
 VUs: 100 VUs
 Duration: 40 min 30 sec
 Load zones:
103 reqs/s



Max Throughput
103 reqs/s



HTTP Failures
0 reqs



Avg Response Time
37 ms



95% Response Time
83 ms

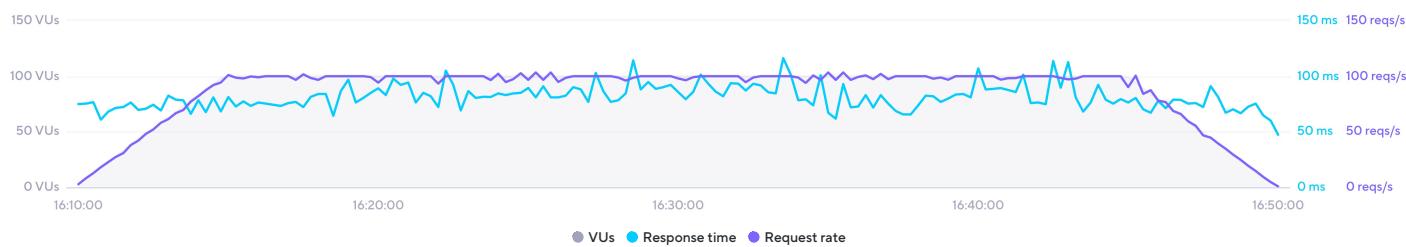
SUMMARY

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

The test was configured to run up to **100 VUs** for 40 minutes 30 seconds. A total of **209 010 requests** were made with a max throughput of **103 reqs/s**. The sections below give a more detailed breakdown.

PERFORMANCE OVERVIEW

The 95th percentile response time of the system being tested was **83 ms** and **209 010 requests** were made at an average request rate of **87 requests per second**.



TEST OVERVIEW

CHECKS

The test had **1** different checks that were evaluated a total of **209 010** times, none of which failed.

CHECK NAME	SUCCESS RATE	SUCCESS COUNT	FAIL COUNT
Status is 201	100%	209010	0

THRESHOLDS

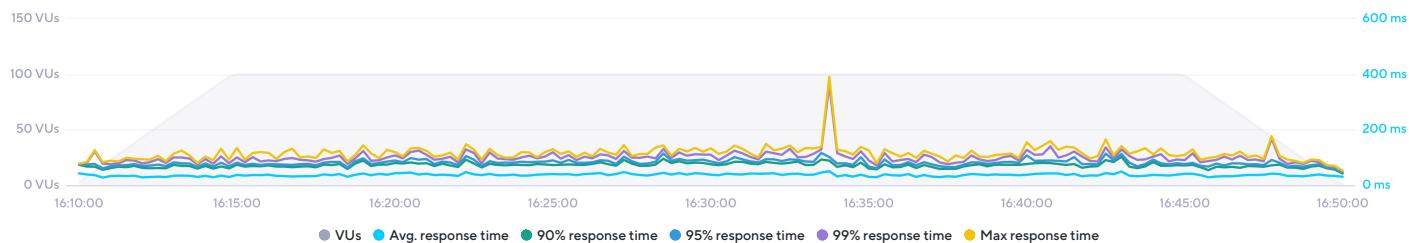
The test failed to meet its performance expectations, with 2 out of 14 thresholds exceeding their acceptance criteria.

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=

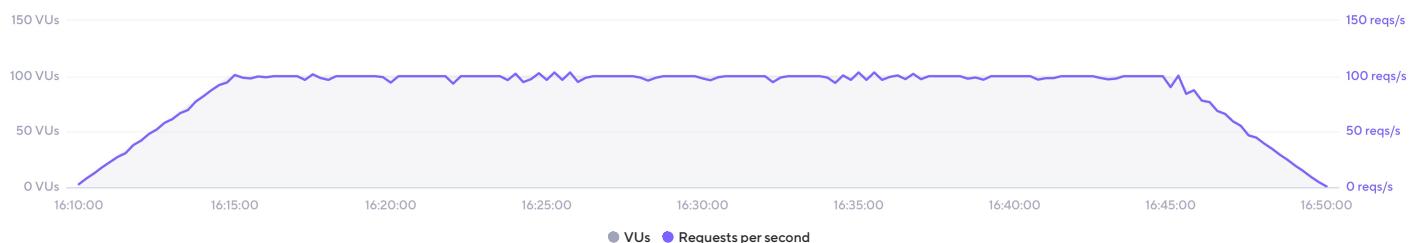
RESPONSE TIME

The maximum response time was **390 ms** at **100 VUs**. The average response time at the same point in time was **50 ms**, with 95% of requests taking less than **101 ms**.



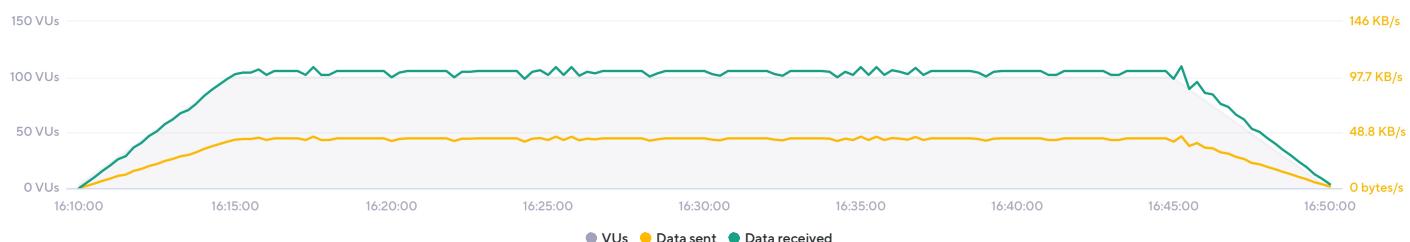
THROUGHPUT

The test had an overall average request rate of **87 reqs/s** peaking at **103 reqs/s** while running **100 VUs**.



BANDWIDTH

The amount of data sent peaked at **94 VUs**, sending **45.6 KB/s** of data. Data received had its peak at **94 VUs** with **107 KB/s** being received.



SLOWEST REQUESTS

There were requests to **6** unique URLs, with **209 010** different responses received. The slowest response had an average response time of **52 ms**.

URL	METHOD	STATUS	COUNT	MIN	AVG	95%	99%	MAX
http://localhost:8884/9	PUT	201	20901	5 ms	52 ms	91 ms	114 ms	389 ms
http://localhost:8884/7	PUT	201	20901	4 ms	51 ms	91 ms	113 ms	384 ms
http://localhost:8884/4	PUT	201	41802	4 ms	50 ms	90 ms	114 ms	369 ms
http://localhost:8884/10	PUT	201	41802	4 ms	35 ms	82 ms	105 ms	388 ms
http://localhost:8884/8	PUT	201	62703	4 ms	28 ms	75 ms	99 ms	390 ms
http://localhost:8884/5	PUT	201	20901	3 ms	17 ms	36 ms	67 ms	127 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/>.