



madanuneeharica/mad Executive Summary Report

Automated load test report and summary for test Course-GET-
Stress-API in organization
madanuneeharica/madanuneeharica.grafana.net

EXECUTIVE SUMMARY - Course-GET-Stress-API

✖ FAIL


Status: **FAIL**
 Created: 31 Mar 2024 at 14:02
 Started by: madanuneeharica@gmail.com
 VUs: 100 VUs
 Duration: 14 min 30 sec
 Load zones:



Max Throughput
10 reqs/s



HTTP Failures
0 reqs



Avg Response Time
5889 ms



95% Response Time
16711 ms

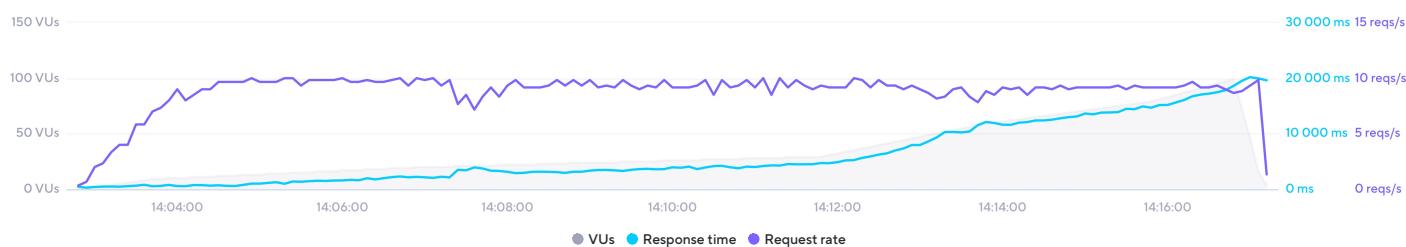
SUMMARY

This report summarizes a test run of the test "Course-GET-Stress-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 14 minutes 30 seconds. A total of **7 656 requests** were made with a max throughput of **10 reqs/s**. The sections below give a more detailed breakdown.

PERFORMANCE OVERVIEW

The 95th percentile response time of the system being tested was **16 712 ms** and **7 656 requests** were made at an average request rate of **9 requests per second**.



TEST OVERVIEW

CHECKS

The test had **1** different checks that were evaluated a total of **7 656** times, none of which failed.

CHECK NAME	SUCCESS RATE	SUCCESS COUNT	FAIL COUNT
Status is 201	100%	7656	0

THRESHOLDS

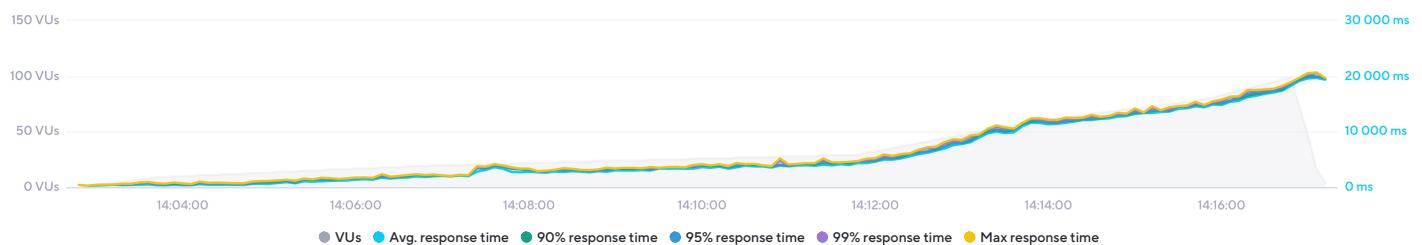
The test failed to meet its performance expectations, with 3 out of 14 thresholds exceeding their acceptance criteria.

THRESHOLD NAME	CONDITION	VALUE
✓ 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<=30000	count<=30000	count=
✗ content_size:value<=12157	value<=12157	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=

✗	latency: p(95)<500	p(95)<500	p(95)=
✓	status_code: count<=30000	count<=30000	count=
✓	successful_checks: rate>0.9	rate>0.9	rate=
✓	request_rate: rate==1	rate==1	rate=
✓	status_code: count>=0	count>=0	count=

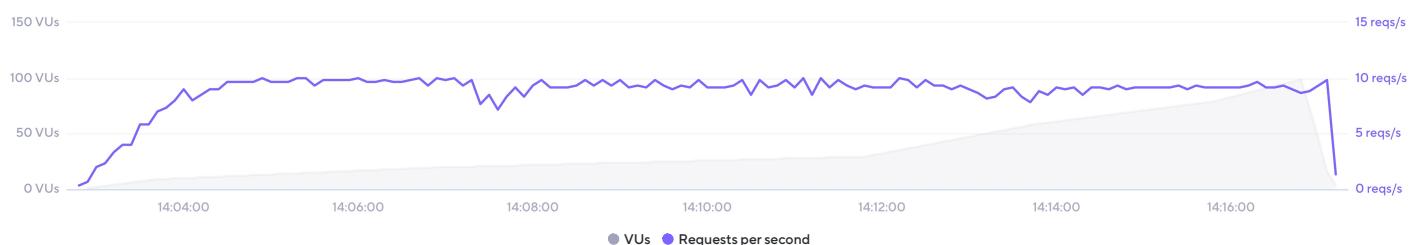
RESPONSE TIME

The maximum response time was **20 658 ms** at **16 VUs**. The average response time at the same point in time was **19 691 ms**, with 95% of requests taking less than **19 949 ms**.



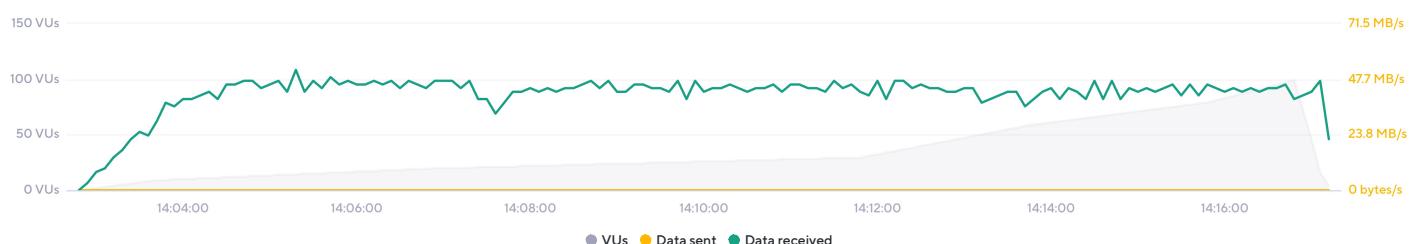
THROUGHPUT

The test had an overall average request rate of **8.9 reqs/s** peaking at **10 reqs/s** while running **13 VUs**.



BANDWIDTH

The amount of data sent peaked at **14 VUs**, sending **1.09 KB/s** of data. Data received had its peak at **14 VUs** with **51.7 MB/s** being received.



SLOWEST REQUESTS

There were requests to **2** unique URLs, with **7 656** different responses received. The slowest response had an average response time of **5 919 ms**.

URL	METHOD	STATUS	COUNT	MIN	AVG	95%	99%	MAX
http://localhost:8884/?order_by=id&sort=ASC	GET	201	3828	196 ms	5 919 ms	16 754 ms	19 530 ms	20 573 ms
http://localhost:8884/?order_by=id&sort=DESC	GET	201	3828	195 ms	5 860 ms	16 689 ms	19 399 ms	20 658 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/>.