

# **annasiknoval@gmail.com**

## **Executive Summary Report**

Automated load test report and summary for test TEST API  
CAPSTONE PROJECT in organization  
annasiknoval@gmail.com



# EXECUTIVE SUMMARY - TEST API CAPSTONE PROJECT

✓ PASS


Status: **PASS**  
 Created: 10 Jun 2022 at 12:43  
 Started by: annasiknoval@gmail.com  
 VUs: **40 VUs**  
 Duration: **6 min**  
 Load zones:



Max Throughput  
**40 reqs/s**



HTTP Failures  
**0 reqs**



Avg Response Time  
**28 ms**



95% Response Time  
**29 ms**

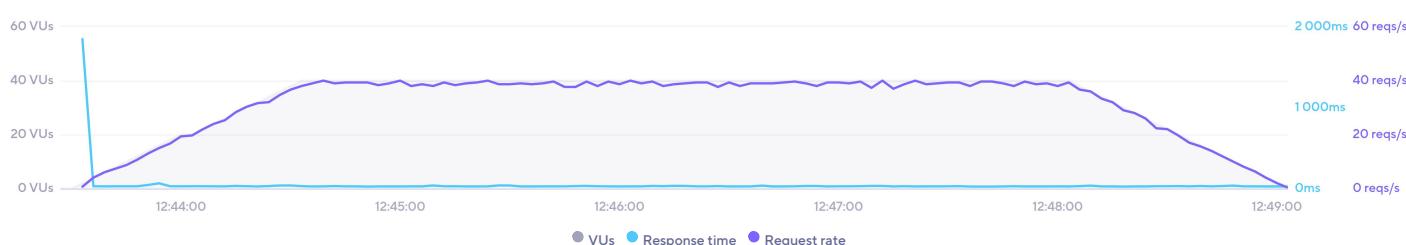
## SUMMARY

This report summarizes a test run of the test "TEST API CAPSTONE PROJECT". It was performed on June 10, 2022 and is considered to be successful.

The test was configured to run up to **40 VUs** for 6 minutes. A total of **10 572 requests** were made with a max throughput of **40 reqs/s**. The sections below give a more detailed breakdown.

## PERFORMANCE OVERVIEW

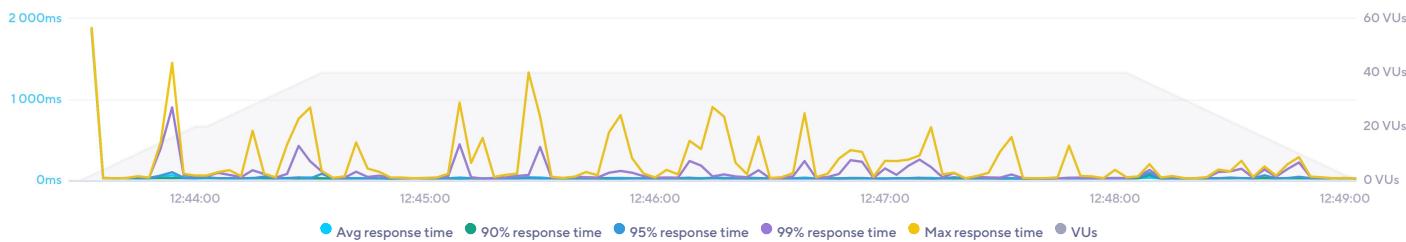
The average response time of the system being tested was **28 ms** and **10 572 requests** were made at an average request rate of **31 requests per second**.



## TEST OVERVIEW

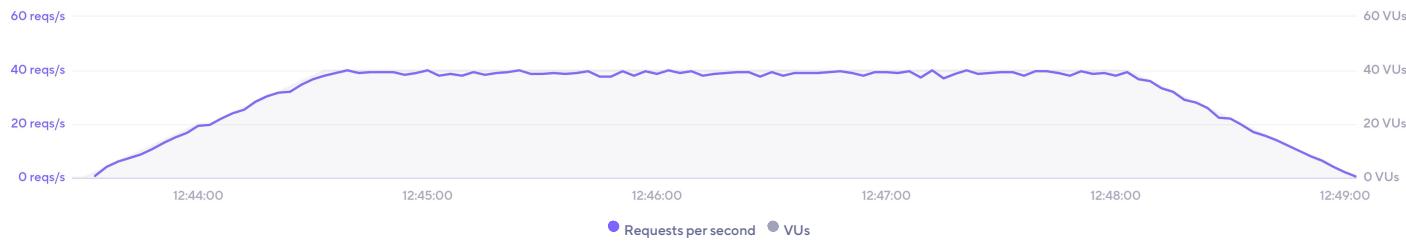
### RESPONSE TIME

The maximum response time was **1885 ms** at **2 VUs**. The average response time at the same point in time was **1846 ms**, with 95% of requests taking less than **1881 ms**.



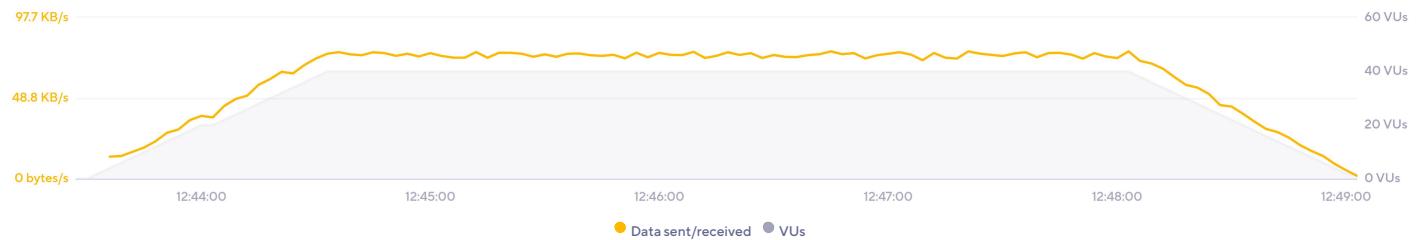
### THROUGHPUT

The test had an overall average request rate of **31 reqs/s** peaking at **40 reqs/s** while running **40 VUs**.



### BANDWIDTH

The amount of data sent peaked at **40 VUs**, sending **3.3 KB/s** of data. Data received had its peak at **40 VUs** with **74.2 KB/s** being received.



## SLOWEST REQUESTS

There were requests to **2** unique URLs, with **2** different responses received. The slowest response had an average response time of **28 ms**.

URL	METHOD	STATUS	COUNT	MIN	Avg	95%	99%	MAX
<a href="https://backend-af5jy3kosq-et.a.run.app/api/product">https://backend-af5jy3kosq-et.a.run.app/api/product</a>	GET	200	5286	21 ms	28 ms	28 ms	92 ms	1885 ms
<a href="https://backend-af5jy3kosq-et.a.run.app/api/article">https://backend-af5jy3kosq-et.a.run.app/api/article</a>	GET	200	5286	20 ms	28 ms	29 ms	70 ms	1803 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 k6 CLOUD

k6 helps engineering teams prevent system failures and quickly deliver best-of-class applications. Our cutting-edge load testing platform brings cross-functional teams together to prevent reliability and scalability issues so that every application performs well. Developers, operations, and QA teams use our tools to automate testing and test earlier in the development process to bring high-quality products to market faster.

For more than 20 years, we have consulted businesses about load testing. We have spent the past 12 years developing state-of-the-art load and performance testing tools. 6,000+ customers—including Grafana, Microsoft, Carvana, and Olo—run millions of k6 tests every month. For more information, visit <https://k6.io>.