



u21477452/u21477452

Executive Summary Report

Automated load test report and summary for test All endpoints
in organization u21477452/u21477452.grafana.net

EXECUTIVE SUMMARY - All endpoints

✓ PASS


Status: **PASS**
 Created: 24 Oct 2023 at 19:18
 Started by: u21477452@tuks.co.za
 VUs: 10 VUs
 Duration: 10 min 30 sec
 Load zones:



Max Throughput
75 reqs/s



HTTP Failures
1 740 reqs



Avg Response Time
151 ms



95% Response Time
292 ms

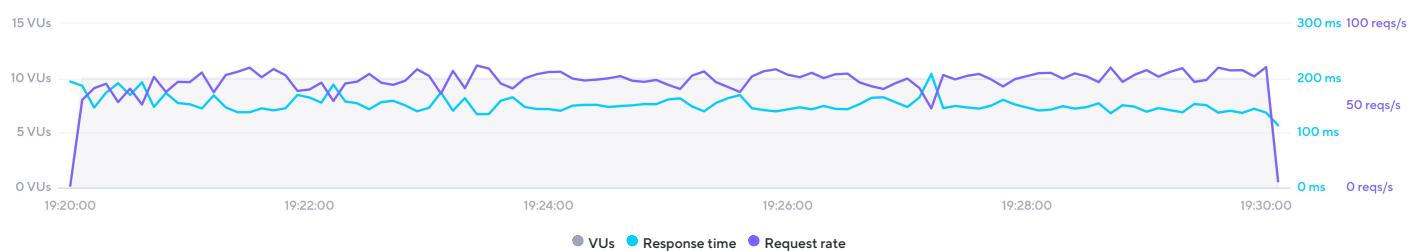
SUMMARY

This report summarizes a test run of the test "All endpoints". It was performed on October 24, 2023 and is considered to be successful.

The test was configured to run up to **10 VUs** for 10 minutes 30 seconds. A total of **39 559 requests** were made with a max throughput of **75 reqs/s**. The sections below give a more detailed breakdown.

PERFORMANCE OVERVIEW

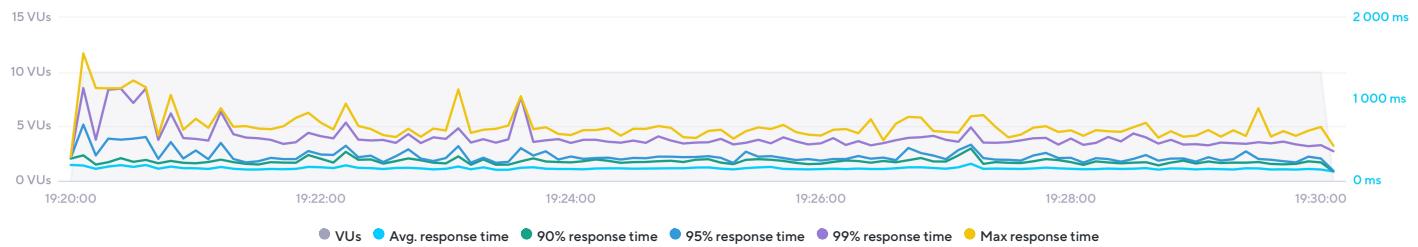
The average response time of the system being tested was **151 ms** and **39 559 requests** were made at an average request rate of **65 requests per second**.



TEST OVERVIEW

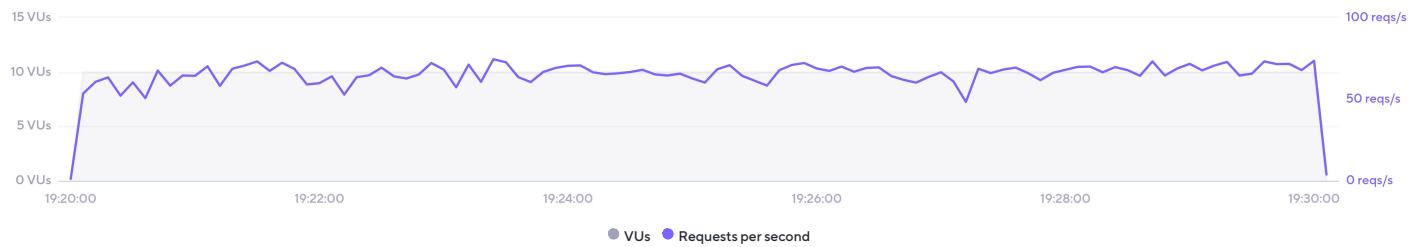
RESPONSE TIME

The maximum response time was **1 561 ms** at **10 VUs**. The average response time at the same point in time was **186 ms**, with 95% of requests taking less than **688 ms**.



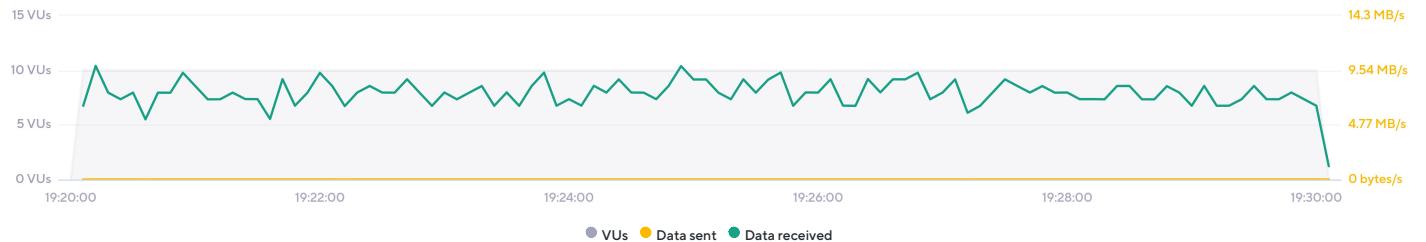
THROUGHPUT

The test had an overall average request rate of **65 reqs/s** peaking at **75 reqs/s** while running **10 VUs**.



BANDWIDTH

The amount of data sent peaked at **10 VUs**, sending **15.3 KB/s** of data. Data received had its peak at **10 VUs** with **9.92 MB/s** being received.



SLOWEST REQUESTS

There were requests to **14** unique URLs, with **39 559** different responses received. The slowest response had an average response time of **490 ms**.

URL	METHOD	STATUS	COUNT	MIN	Avg	95%	99%	MAX
https://dot-net-api.azurewebsites.net/locationData/getLocatio	GET	200	1303	372 ms	490 ms	643 ms	945 ms	1561 ms
https://dot-net-api.azurewebsites.net/adminstats/all	GET	200	3043	91 ms	164 ms	313 ms	460 ms	1146 ms
https://dot-net-api.azurewebsites.net/locationData/getLocatio	GET	500	1740	89 ms	154 ms	264 ms	320 ms	1124 ms
https://dot-net-api.azurewebsites.net/locationData/mapboxkey	GET	200	3043	87 ms	140 ms	247 ms	309 ms	1129 ms
https://dot-net-api.azurewebsites.net/ReportAllAppliance/all	GET	200	3043	89 ms	139 ms	245 ms	315 ms	1134 ms
https://dot-net-api.azurewebsites.net/Key/allBusiness	GET	200	3043	88 ms	138 ms	247 ms	308 ms	1033 ms
https://dot-net-api.azurewebsites.net/ReportAllAppliance/getE	GET	200	3043	89 ms	137 ms	250 ms	303 ms	1105 ms
https://dot-net-api.azurewebsites.net/Key/all	GET	200	3043	88 ms	137 ms	244 ms	297 ms	1128 ms
https://dot-net-api.azurewebsites.net/Appliance/all	GET	200	3043	88 ms	137 ms	242 ms	304 ms	1107 ms
https://dot-net-api.azurewebsites.net/Report/all	GET	200	3043	88 ms	137 ms	262 ms	329 ms	1027 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/>.