

# Load Test Results for Base Line Loading

## Test properties

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 Project name	REST Project 4
Project description	
Test name	Base Line Loading
Test duration	5:00
Warm-up time	15 sec

## Load allocation

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Load type	VUs
Allocation type	Relative
Allocation parameters	Percentage distribution of 4 VU(s)

## Load test overview


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Scenarios in the test	1
Load agents used	0
Cloud agents used	0
Servers monitored	0
Test assertions (all levels)	2

## Scenario details

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### New Scenario

Load profile	 Fixed
Base VUs	4
Wait time	1 second(s)
Target test case(s)	
http://34.105.252.163 TestSuite:TestCase	1 enabled test step(s)

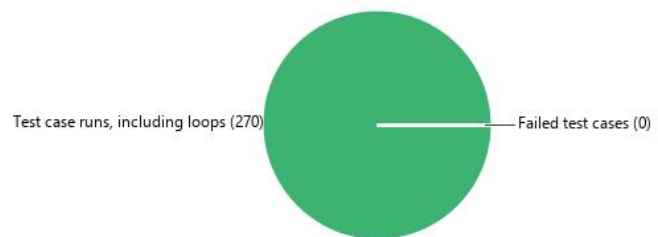
# Test Execution Metrics

## Test results

✓ Test run result	PASS
Duration	00:05:15
Start time	04:11:46
End time	04:17:01
Maximum simultaneous virtual users	4

## Information on target test cases

Test case runs, including loops	270
Failed test cases	0
Failure ratio	0%



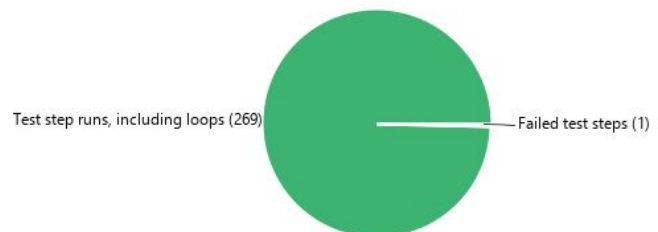
## Load test assertions summary

Assertion checks	266
Failed assertions	0
Failure ratio	0%



## Executed test step(s) summary

Test step runs, including loops	270
Failed test steps	1
Failure ratio	0%



## Response time

Longest	27879 ms
Shortest	382 ms
Average	3561 ms



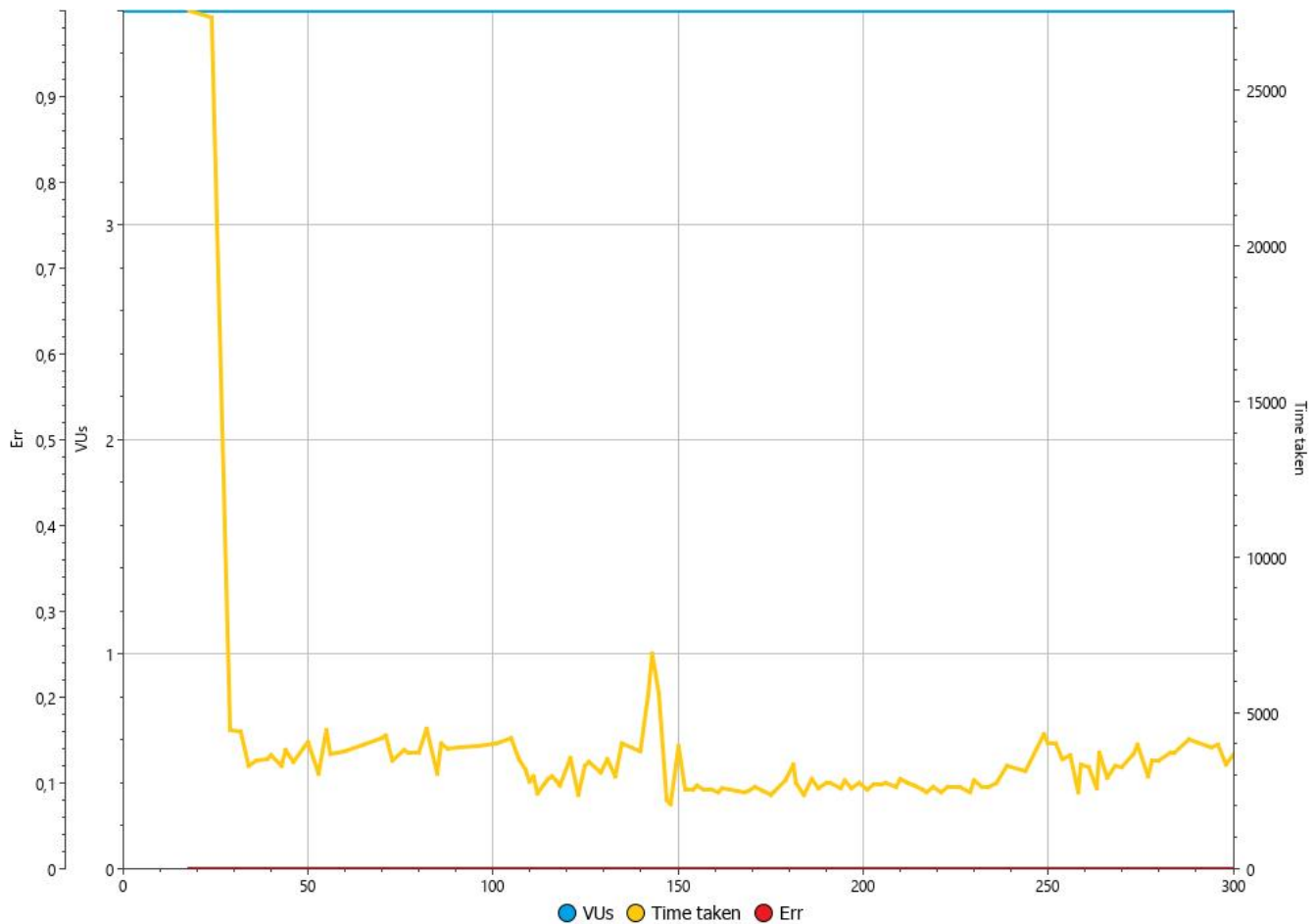
A great difference between response time values may indicate server issues.

## Scenarios Summary

This section provides information about target test cases and assertions for each scenario in the load test.

Scenario name	Duration	Targets	Assertions checked	Assertions failed
New Scenario	00:05:15	270	0	0

## Overview Chart



## Test Step Metrics

//34.105.252.163 TestSuite:TestCase

Test step	Min (ms)	Max (ms)	Median (ms)	Last (ms)	Count	TPS	Err	Err %
Request 1	1908	27879	3044	2702	267	0	0	0
Test Case Level	382	27879	3002	382	274	1	0	0

### Response time details

Test Step	Avg (ms)	75%	90%	95%	98%
Request 1	3592	3863,00	4352,80	4676,00	6815,04
Test Case Level	3561	3858,50	4340,50	4657,25	6802,38

## Top 5 Test Cases

Test case	Time taken (ms)	Start time	Size (bytes)
http://34.105.252.163 TestSuite:TestCase	382	04:17:01	0
http://34.105.252.163 TestSuite:TestCase	648	04:17:01	0
http://34.105.252.163 TestSuite:TestCase	1205	04:17:00	0
http://34.105.252.163 TestSuite:TestCase	1908	04:14:27	64
http://34.105.252.163 TestSuite:TestCase	2021	04:12:31	64

## Bottom 5 Test Cases

Test case	Time taken (ms)	Start time	Size (bytes)
http://34.105.252.163 TestSuite:TestCase	27879	04:11:52	64
http://34.105.252.163 TestSuite:TestCase	27579	04:11:52	64
http://34.105.252.163 TestSuite:TestCase	27357	04:11:52	64
http://34.105.252.163 TestSuite:TestCase	27297	04:11:52	64
http://34.105.252.163 TestSuite:TestCase	6891	04:14:17	64

## Top 5 Test Steps

Test case	Time taken (ms)	Start time	Size (bytes)
http://34.105.252.163 TestSuite:TestCase->Request 1	1908	04:14:29	64
http://34.105.252.163 TestSuite:TestCase->Request 1	2021	04:12:33	64
http://34.105.252.163 TestSuite:TestCase->Request 1	2127	04:12:57	64
http://34.105.252.163 TestSuite:TestCase->Request 1	2176	04:16:00	64
http://34.105.252.163 TestSuite:TestCase->Request 1	2177	04:14:28	64

## Bottom 5 Test Steps

Test case	Time taken (ms)	Start time	Size (bytes)
http://34.105.252.163 TestSuite:TestCase->Request 1	27879	04:12:20	64
http://34.105.252.163 TestSuite:TestCase->Request 1	27579	04:12:19	64
http://34.105.252.163 TestSuite:TestCase->Request 1	27357	04:12:20	64
http://34.105.252.163 TestSuite:TestCase->Request 1	27297	04:12:20	64
http://34.105.252.163 TestSuite:TestCase->Request 1	6891	04:14:24	64

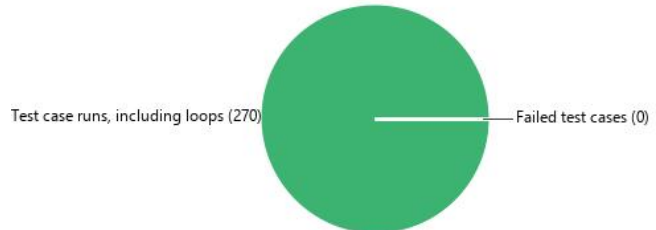
# Load Test Results for New Scenario Scenario

## Scenario overview

Load profile	Fixed
Scenario targets	1
Simulated users	4

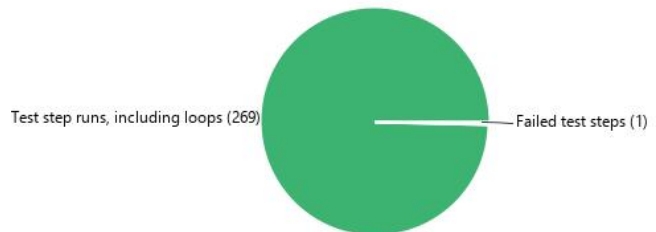
## Information on target test cases

Test case runs, including loops	270
Failed test cases	0
Failure ratio	0%



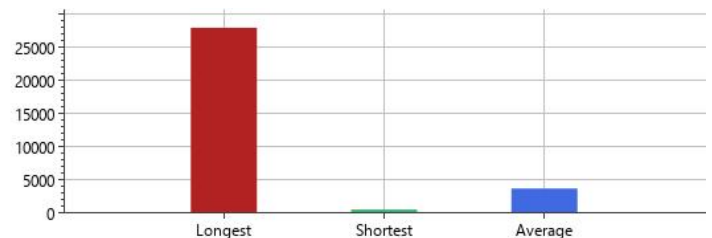
## Executed test step(s) summary

Test step runs, including loops	270
Failed test steps	1
Failure ratio	0%



## Response time

Longest	27879 ms
Shortest	382 ms
Average	3561 ms



A great difference between response time values may indicate server issues.

## Targets Metrics

Target	Requests	Min time (ms)	Max time (ms)	Median time (ms)	Std dev (ms)	Err	Err %
http://34.105.252.163 TestSuite:TestCase	274	382	27879	3002	3073	0	0

### Response time details

Target	Avg (ms)	75%	90%	95%	98%
http://34.105.252.163 TestSuite:TestCase	3561	3858,50	4340,50	4657,25	6802,38

## Top 5 Test Case Executions

Test case	Time taken (ms)	Start time	Size (bytes)
http://34.105.252.163 TestSuite:TestCase	382	04:17:01	0
http://34.105.252.163 TestSuite:TestCase	648	04:17:01	0
http://34.105.252.163 TestSuite:TestCase	1205	04:17:00	0
http://34.105.252.163 TestSuite:TestCase	1908	04:14:27	64
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http://34.105.252.163 TestSuite:TestCase	27357	04:11:52	64
http://34.105.252.163 TestSuite:TestCase	27297	04:11:52	64
http://34.105.252.163 TestSuite:TestCase	6891	04:14:17	64

## Top 5 Test Step Executions

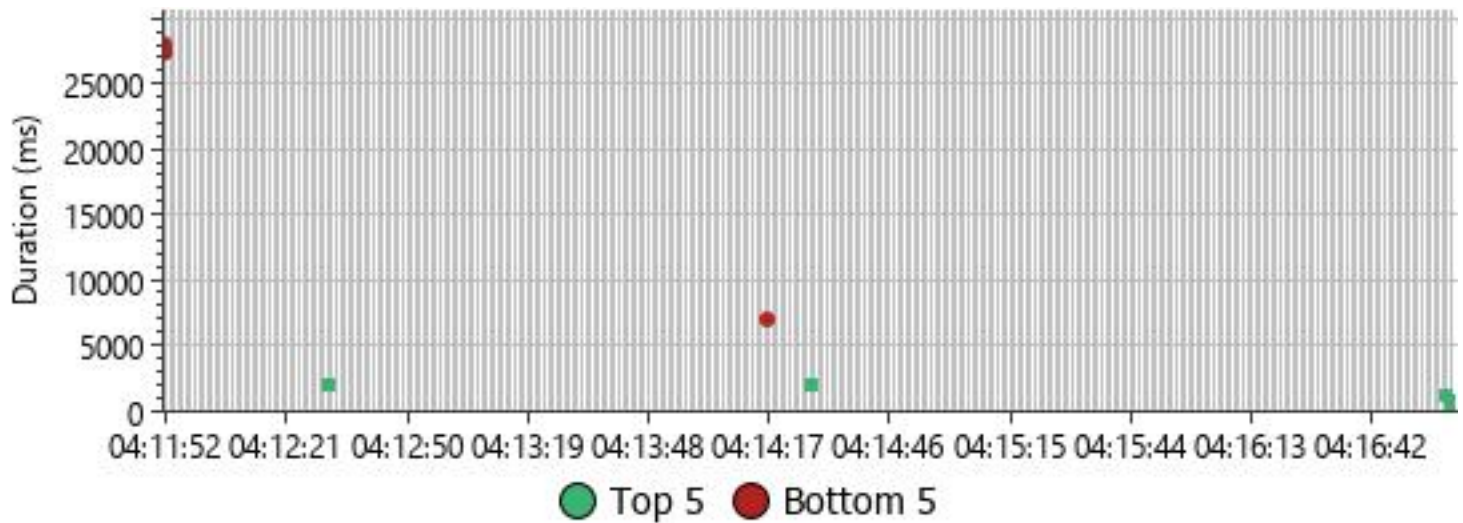
Test case	Time taken (ms)	Start time	Size (bytes)
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http://34.105.252.163 TestSuite:TestCase->Request 1	2177	04:14:28	64

## Bottom 5 Test Step Executions

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http://34.105.252.163 TestSuite:TestCase->Request 1	27297	04:12:20	64
http://34.105.252.163 TestSuite:TestCase->Request 1	6891	04:14:24	64

## Execution dispersion

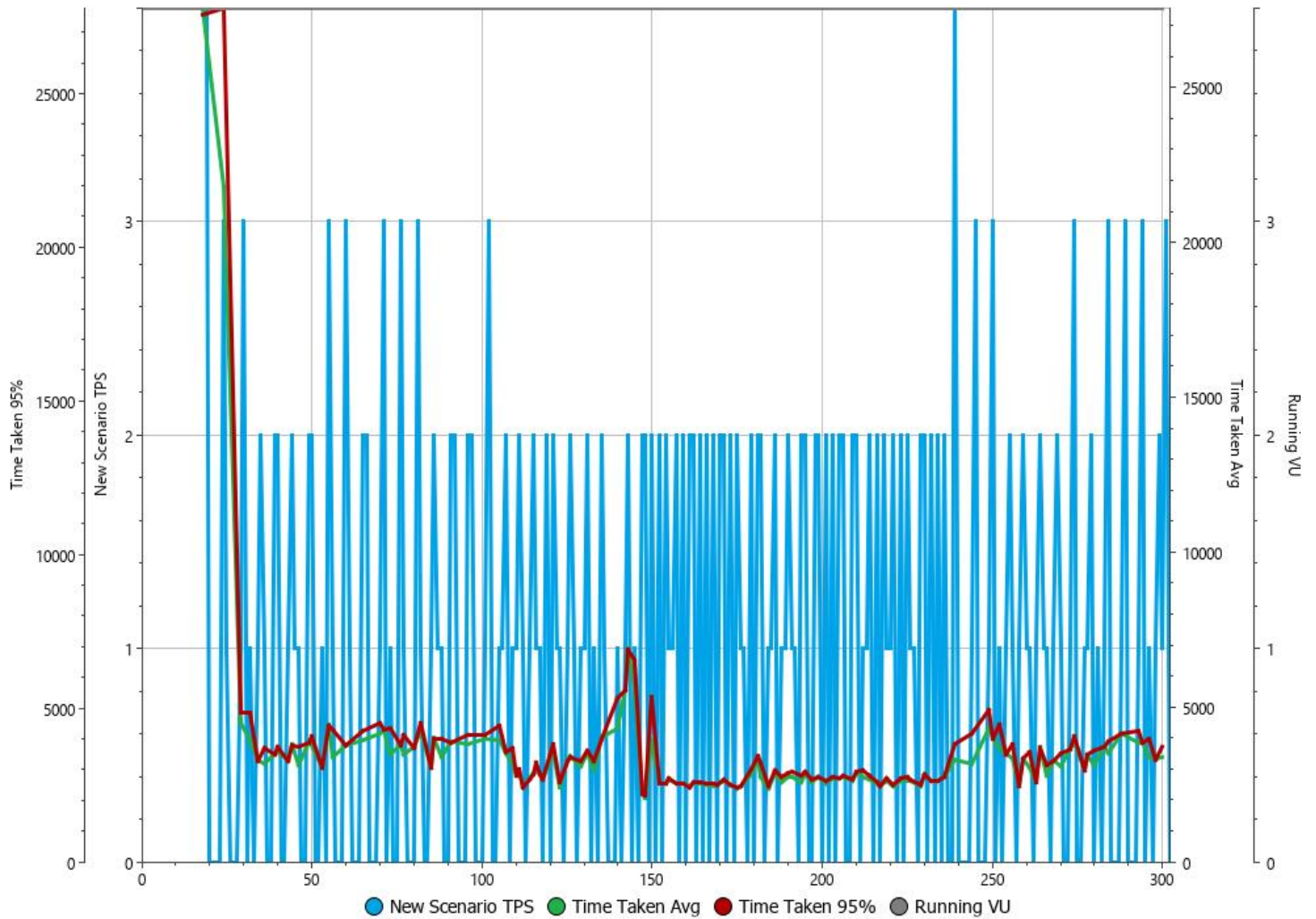
This graph shows when the 5 fastest and 5 slowest test case executions happened. The clustered values show the time when the issues occurred during the test run. For example, a lot of values at the beginning of the test might mean that you need a longer warm-up time for the server. Ideally, the values should be distributed evenly throughout the test duration.





# Statistics

## Baseline Statistics



# Terms Used in This Report

## VUs load type

When you use the VUs load type, the load profile settings specify the number of virtual users working on the server simultaneously. This number can be permanent during the entire test run, or it can change as specified in the selected load profile. When a virtual user stops working because the test case is over, LoadUI starts a new user to maintain the needed number of virtual users.

## Load allocation

In LoadUI, there are several ways to specify the load simulated by each scenario. This is called Load allocation. You can enter the total number of users and select what portion of them runs each scenario (Relative allocation), run the same number of virtual users for all scenarios (Equal allocation) or enter the number of users in each scenario individually (Per scenario allocation).

## Fixed profile (VUs)

This load profile simulates the same number of virtual users during the entire test run.

## Agent

LoadUI uses agents to distribute load to other computers. Load agents run on a physical computer where the LoadUI Agent application is installed. Cloud agents run in the cloud.

## Failure

Failure is a generic term for all issues that cause a simulated user to fail. For example, a test can have failures when load test assertions fail or a test step does not receive a response.

## Error

SoapUI test step and test case failures that happen during the load test run are called errors.

## Target

LoadUI runs SoapUI test cases to simulate user behavior. The test cases simulated in a scenario are called targets.

## TPS

For test steps, number of times the test step was executed during the second.

For target test cases, the number of virtual users that finished the test case execution at each second.

## Last

The time spent on the last transaction of the test.

## Count

The number of times the test step was run during the test.