

Load Test Results for Load Test

Test properties

 Project name	REST Project Fast API Library
Project description	
Test name	Load Test
Test duration	10:00
Warm-up time	15 sec

Load allocation

Load type	VUs
Allocation type	Relative
Allocation parameters	Percentage distribution of 1000 VU(s)

Load test overview

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

Scenario details

New Scenario

Load profile	 Fixed
Base VUs	1000
Wait time	1 second(s)
Target test case(s)	
https://library-fastapi.herokuapp.com	5 enabled test step(s)

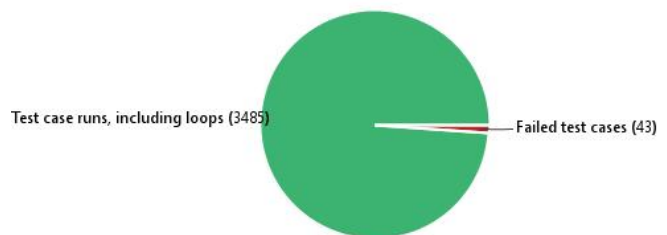
Test Execution Metrics

Test results

✖ Test run result	FAIL
Duration	00:05:16
Start time	20:26:26
End time	20:31:42
Maximum simultaneous virtual users	25

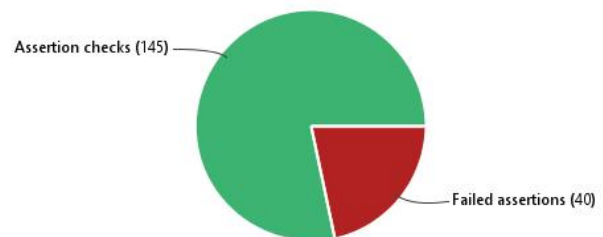
Information on target test cases

Test case runs, including loops	3528
Failed test cases	43
Failure ratio	1%



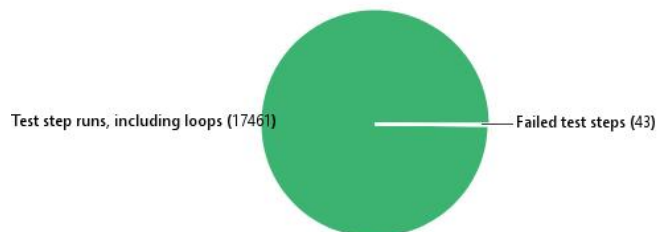
Load test assertions summary

Assertion checks	185
Failed assertions	40
Failure ratio	21%



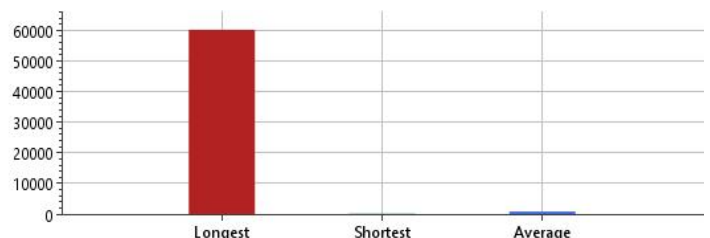
Executed test step(s) summary

Test step runs, including loops	17504
Failed test steps	43
Failure ratio	0%



Response time

Longest	60192 ms
Shortest	156 ms
Average	823 ms



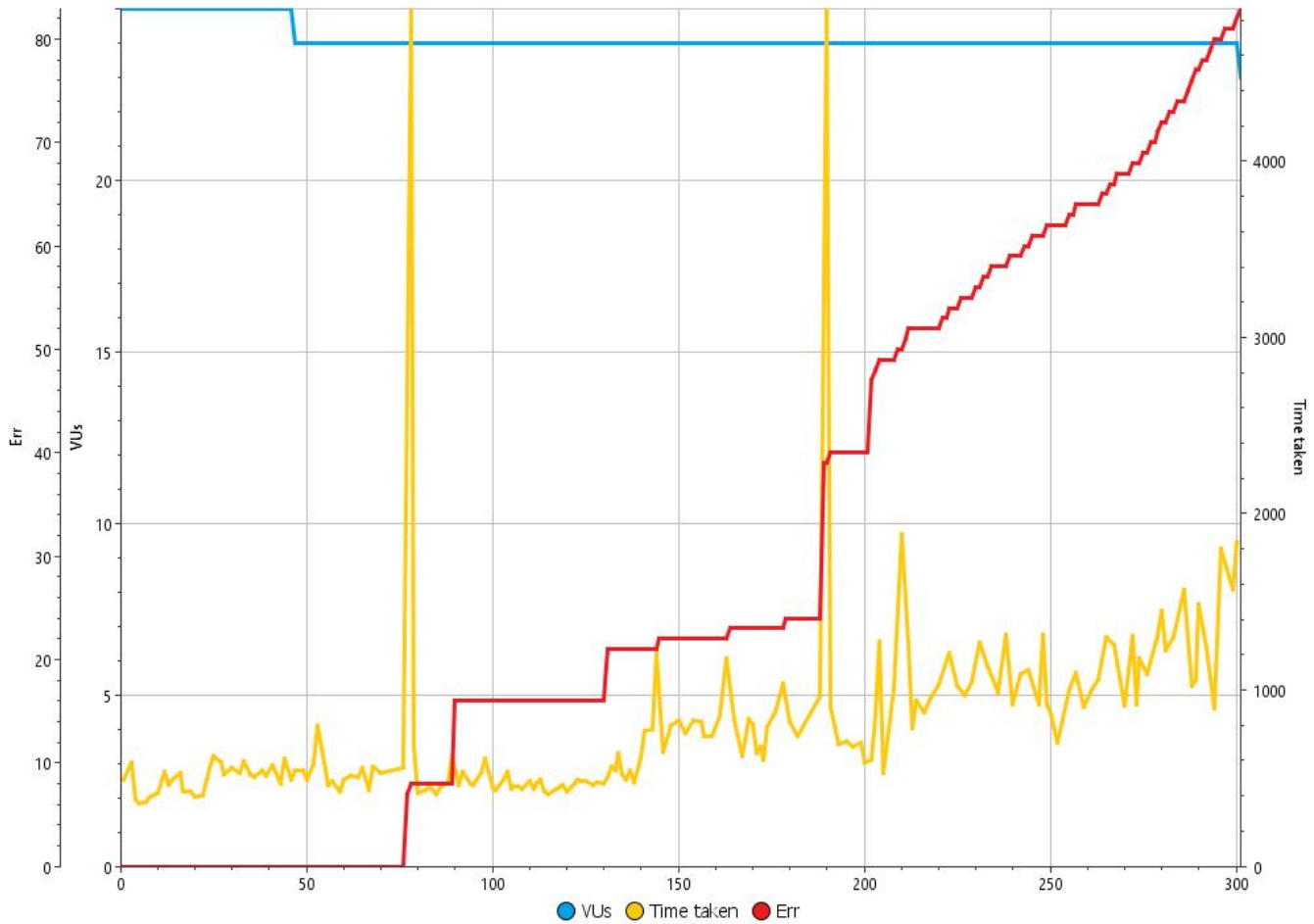
A great difference between response time values may indicate server issues.

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	00:05:16	3528	0	0

Overview Chart



Test Step Metrics

//library-fastapi.herokuapp.com TestSuite:TestCase

Test step	Min (ms)	Max (ms)	Median (ms)	Last (ms)	Count	TPS	Err	Err %
Request 1	0	19789	249	1317	3502	11	25	0
Request 2	0	1655	73	76	3477	11	6	0
Request 3	0	1165	71	65	3471	11	6	0
Request 4	0	1078	70	67	3465	10	3	0
Request 5	0	516	69	67	3462	10	3	0
Test Case Level	156	60192	646	156	3753	12	43	1

Response time details

Test Step	Avg (ms)	75%	90%	95%	98%
Request 1	348	436.00	697.70	929.95	1184.82
Request 2	177	193.00	436.00	629.40	919.32

Test Step Metrics

Response time details

Test Step	Avg (ms)	75%	90%	95%	98%
Request 3	93	79.00	129.00	204.00	339.80
Request 4	77	74.00	84.00	109.70	163.68
Request 5	74	72.00	78.00	94.00	154.74
Test Case Level	823	966.00	1318.00	1532.65	1898.42

Top 5 Test Cases

Test case	Time taken (ms)	Start time	Size (bytes)
https://library-fastapi.herokuapp.com TestSuite:TestCase	156	20:31:42	98247
https://library-fastapi.herokuapp.com TestSuite:TestCase	328	20:26:44	19521
https://library-fastapi.herokuapp.com TestSuite:TestCase	334	20:26:44	19178
https://library-fastapi.herokuapp.com TestSuite:TestCase	334	20:26:48	15895
https://library-fastapi.herokuapp.com TestSuite:TestCase	334	20:26:48	16140

Bottom 5 Test Cases

Test case	Time taken (ms)	Start time	Size (bytes)
https://library-fastapi.herokuapp.com TestSuite:TestCase	60192	20:27:51	0
https://library-fastapi.herokuapp.com TestSuite:TestCase	20071	20:27:51	48971
https://library-fastapi.herokuapp.com TestSuite:TestCase	19386	20:27:51	0
https://library-fastapi.herokuapp.com TestSuite:TestCase	19206	20:29:44	0
https://library-fastapi.herokuapp.com TestSuite:TestCase	7978	20:29:45	68521

Top 5 Test Steps

Test case	Time taken (ms)	Start time	Size (bytes)
https://library-fastapi.herokuapp.com TestSuite:TestCase->Request 1	0	20:27:57	0
https://library-fastapi.herokuapp.com TestSuite:TestCase->Request 1	0	20:27:57	0
https://library-fastapi.herokuapp.com TestSuite:TestCase->Request 1	0	20:27:57	0
https://library-fastapi.herokuapp.com TestSuite:TestCase->Request 1	0	20:27:57	0
https://library-fastapi.herokuapp.com TestSuite:TestCase->Request 1	0	20:27:57	0

Bottom 5 Test Steps

Test case	Time taken (ms)	Start time	Size (bytes)
https://library-fastapi.herokuapp.com TestSuite:TestCase->Request 1	19789	20:28:11	48797
https://library-fastapi.herokuapp.com TestSuite:TestCase->Request 1	7451	20:29:52	68347
https://library-fastapi.herokuapp.com TestSuite:TestCase->Request 1	1894	20:31:21	93847

Bottom 5 Test Steps

Test case	Time taken (ms)	Start time	Size (bytes)
https://library-fastapi.herokuapp.com TestSuite:TestCase->Request 1	1880	20:31:18	98447
https://library-fastapi.herokuapp.com TestSuite:TestCase->Request 1	1876	20:31:21	93847

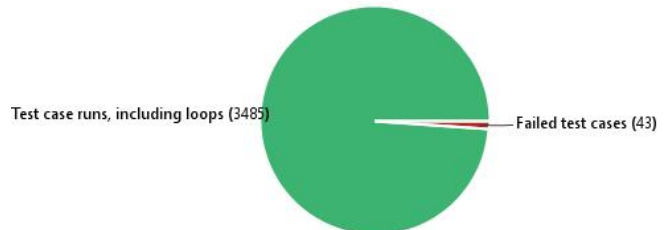
Load Test Results for New Scenario Scenario

Scenario overview

Load profile	Fixed
Scenario targets	1
Simulated users	1000

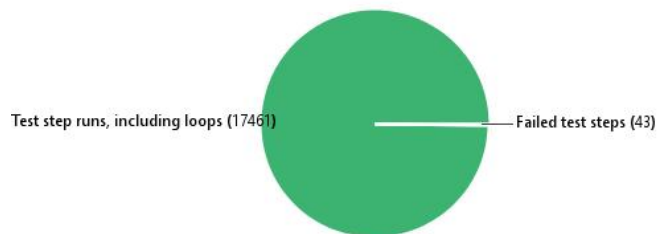
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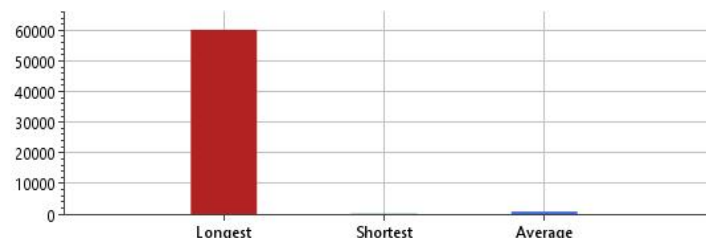
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Response time

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Average	823 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 %
https://library-fastapi.herokuapp.com TestSuite:TestCase	3753	156	60192	646	1222	43	1

Response time details

Target	Avg (ms)	75%	90%	95%	98%
https://library-fastapi.herokuapp.com TestSuite:TestCase	823	966.00	1318.00	1532.65	1898.42

Top 5 Test Case Executions

Test case	Time taken (ms)	Start time	Size (bytes)
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https://library-fastapi.herokuapp.com TestSuite:TestCase	334	20:26:48	15895
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Bottom 5 Test Case Executions

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Top 5 Test Step Executions

Test case	Time taken (ms)	Start time	Size (bytes)
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https://library-fastapi.herokuapp.com TestSuite:TestCase->Request 1	0	20:27:57	0
https://library-fastapi.herokuapp.com TestSuite:TestCase->Request 1	0	20:27:57	0

Bottom 5 Test Step Executions

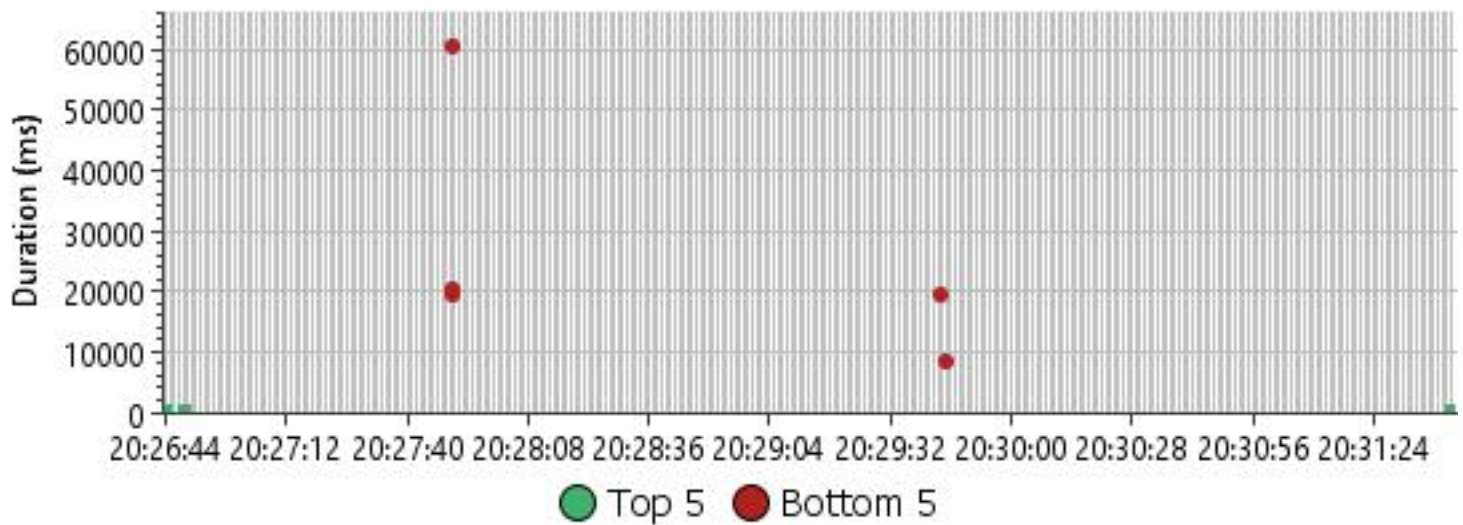
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https://library-fastapi.herokuapp.com TestSuite:TestCase->Request 1	1894	20:31:21	93847
https://library-fastapi.herokuapp.com TestSuite:TestCase->Request 1	1880	20:31:18	98447

Bottom 5 Test Step Executions

Test case	Time taken (ms)	Start time	Size (bytes)
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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

No statistics selected on the statistics page

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.