Load Test Results for GetCurrentWeather LoadTest

Test properties

Project name	REST Project 1
Project description	
Test name	GetCurrentWeather LoadTest
Test duration	10:00
Warm-up time	15 sec

Load allocation

Load type	VUs
Allocation type	Per Scenario

Load test overview

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

Scenario details

New Scenario

Load profile	Fixed
Base VUs	10
Wait time	1 second(s)
Target test case(s)	
Testing:GetCurrentWeather	2 enabled test step(s)

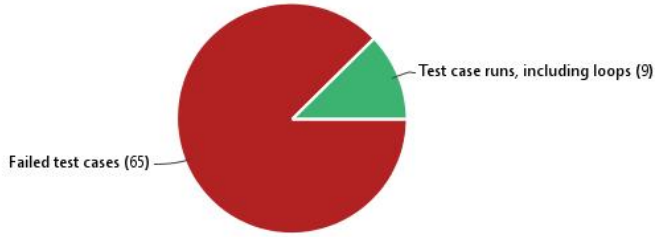
Test Execution Metrics

Test results

Test run result	FAIL
Duration	00:05:18
Start time	21:09:39
End time	21:14:57
Maximum simultaneous virtual users	11

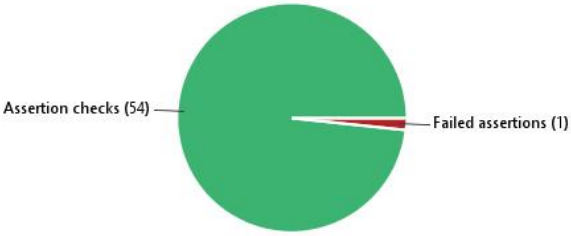
Information on target test cases

Test case runs, including loops	74
Failed test cases	65
Failure ratio	87%



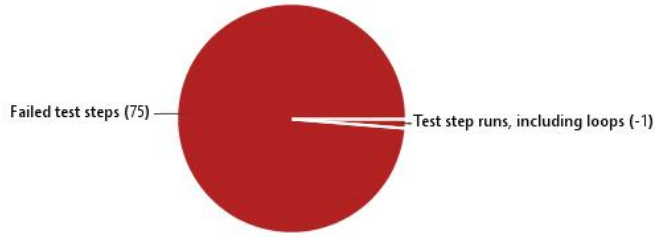
Load test assertions summary

Assertion checks	55
Failed assertions	1
Failure ratio	1%



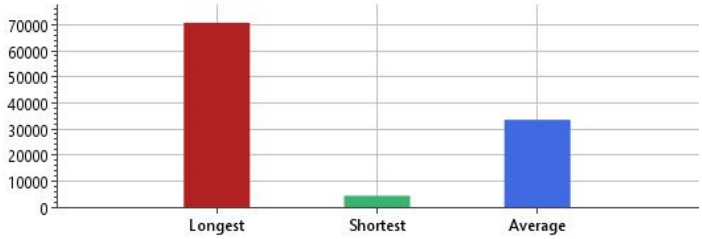
Executed test step(s) summary

Test step runs, including loops	74
Failed test steps	75
Failure ratio	100%



Response time

Longest	70763 ms
Shortest	4342 ms
Average	33504 ms



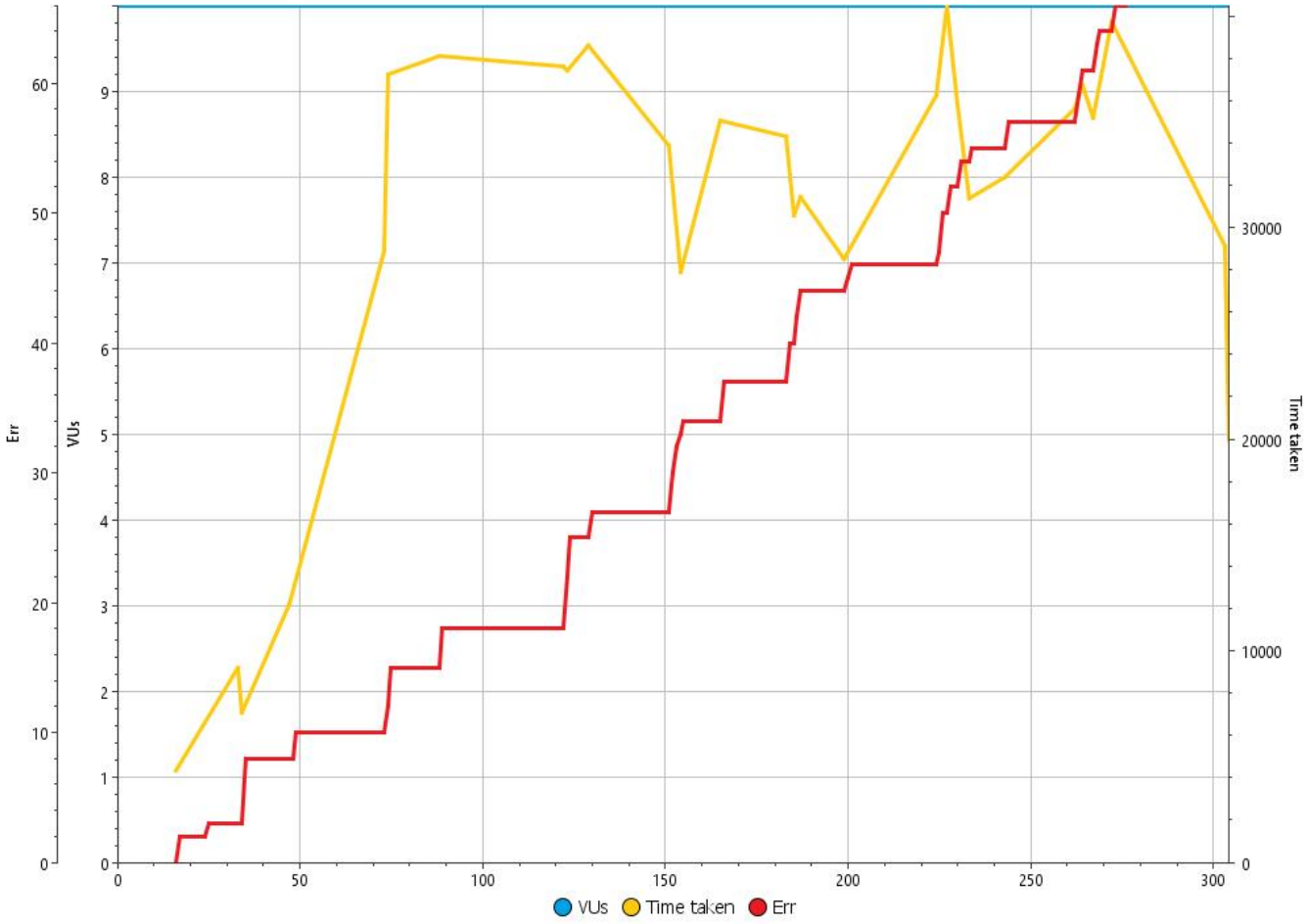
A great difference between response time values may indicate server issues.

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	00:05:18	74	28	1

Overview Chart



Test Step Metrics

GetCurrentWeather

Test step	Min (ms)	Max (ms)	Median (ms)	Last (ms)	Count	TPS	Err	Err %
Groovy Script	4342	70763	34432	29107	65	0	65	100
CityCurrentWeather	0	0	0	0	0	0	0	0
Test Case Level	4342	70763	35471	24414	75	0	65	86

Response time details

Test Step	Avg (ms)	75%	90%	95%	98%
Groovy Script	32773	38230.00	40608.80	55860.80	67675.32
CityCurrentWeather	0	0.00	0.00	0.00	0.00
Test Case Level	33504	38960.50	40609.00	58212.75	65938.50

Top 5 Test Cases

Test case	Time taken (ms)	Start time	Size (bytes)
Testing:GetCurrentWeather	4342	21:09:39	0
Testing:GetCurrentWeather	6267	21:09:39	0
Testing:GetCurrentWeather	7072	21:09:39	0
Testing:GetCurrentWeather	7969	21:09:39	0
Testing:GetCurrentWeather	8464	21:09:39	0

Bottom 5 Test Cases

Test case	Time taken (ms)	Start time	Size (bytes)
Testing:GetCurrentWeather	70763	21:10:30	0
Testing:GetCurrentWeather	61114	21:11:24	0
Testing:GetCurrentWeather	59388	21:13:58	0
Testing:GetCurrentWeather	57821	21:12:41	0
Testing:GetCurrentWeather	51287	21:10:30	0

Top 5 Test Steps

Test case	Time taken (ms)	Start time	Size (bytes)
Testing:GetCurrentWeather->Groovy Script	4342	21:10:09	0
Testing:GetCurrentWeather->Groovy Script	6267	21:10:15	0
Testing:GetCurrentWeather->Groovy Script	7072	21:10:19	0
Testing:GetCurrentWeather->Groovy Script	7969	21:10:20	0
Testing:GetCurrentWeather->Groovy Script	8464	21:10:15	0

Bottom 5 Test Steps

Test case	Time taken (ms)	Start time	Size (bytes)
Testing:GetCurrentWeather->Groovy Script	70763	21:11:55	0
Testing:GetCurrentWeather->Groovy Script	61114	21:12:26	0
Testing:GetCurrentWeather->Groovy Script	57821	21:13:39	0
Testing:GetCurrentWeather->Groovy Script	51287	21:11:22	0
Testing:GetCurrentWeather->Groovy Script	40745	21:13:41	0

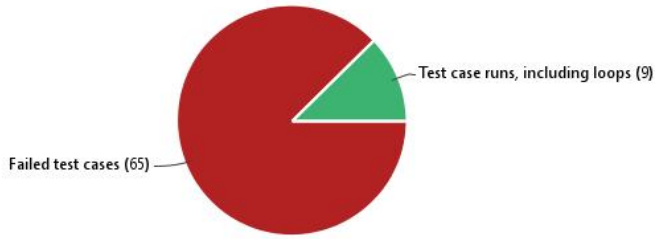
Load Test Results for New Scenario Scenario

Scenario overview

Load profile	Fixed
Scenario targets	1
Simulated users	10

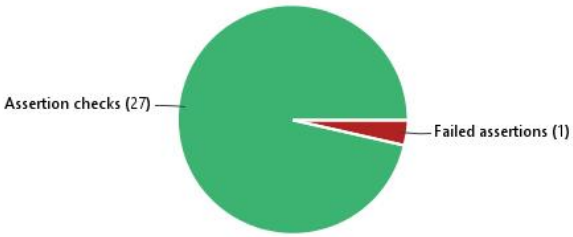
Information on target test cases

Test case runs, including loops	74
Failed test cases	65
Failure ratio	87%



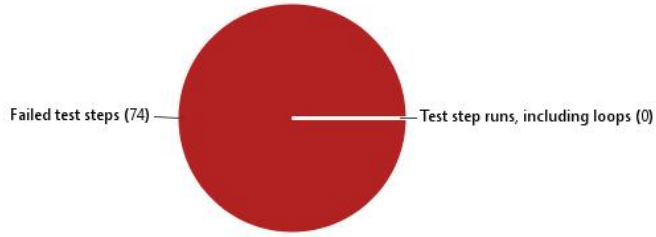
Load test assertions summary

Assertion checks	28
Failed assertions	1
Failure ratio	3%



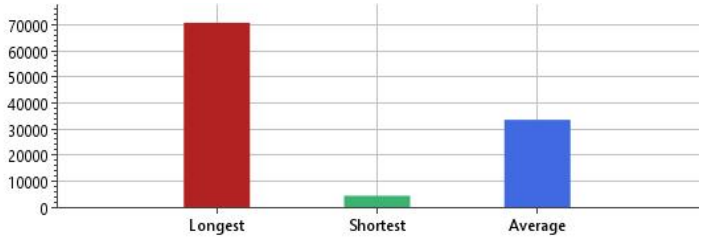
Executed test step(s) summary

Test step runs, including loops	74
Failed test steps	74
Failure ratio	100%



Response time

Longest	70763 ms
Shortest	4342 ms
Average	33504 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 %

Targets Metrics

Target	Requests	Min time (ms)	Max time (ms)	Median time (ms)	Std dev (ms)	Err	Err %
Testing:GetCurrentWeather	75	4342	70763	35471	12367	65	86

Response time details

Target	Avg (ms)	75%	90%	95%	98%
Testing:GetCurrentWeather	33504	38960.50	40609.00	58212.75	65938.50

Top 5 Test Case Executions

Test case	Time taken (ms)	Start time	Size (bytes)
Testing:GetCurrentWeather	4342	21:09:39	0
Testing:GetCurrentWeather	6267	21:09:39	0
Testing:GetCurrentWeather	7072	21:09:39	0
Testing:GetCurrentWeather	7969	21:09:39	0
Testing:GetCurrentWeather	8464	21:09:39	0

Bottom 5 Test Case Executions

Test case	Time taken (ms)	Start time	Size (bytes)
Testing:GetCurrentWeather	70763	21:10:30	0
Testing:GetCurrentWeather	61114	21:11:24	0
Testing:GetCurrentWeather	59388	21:13:58	0
Testing:GetCurrentWeather	57821	21:12:41	0
Testing:GetCurrentWeather	51287	21:10:30	0

Top 5 Test Step Executions

Test case	Time taken (ms)	Start time	Size (bytes)
Testing:GetCurrentWeather->Groovy Script	4342	21:10:09	0
Testing:GetCurrentWeather->Groovy Script	6267	21:10:15	0
Testing:GetCurrentWeather->Groovy Script	7072	21:10:19	0
Testing:GetCurrentWeather->Groovy Script	7969	21:10:20	0
Testing:GetCurrentWeather->Groovy Script	8464	21:10:15	0

Bottom 5 Test Step Executions

Test case	Time taken (ms)	Start time	Size (bytes)
Testing:GetCurrentWeather->Groovy Script	70763	21:11:55	0
Testing:GetCurrentWeather->Groovy Script	61114	21:12:26	0
Testing:GetCurrentWeather->Groovy Script	57821	21:13:39	0
Testing:GetCurrentWeather->Groovy Script	51287	21:11:22	0
Testing:GetCurrentWeather->Groovy Script	40745	21:13:41	0

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.