Mindtree

Pre-Registration

Performance Benchmark Test Report

For

Execution of

Enter_Demographic_Detail – 10 users

Date: 27 February 2019

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Summary

This report presents the observations and findings of the benchmark load test conducted for a load of 10 users accessing demographic API Endpoint running for a duration of 2 minutes.

The objective of this load test was to observe and record the behavior of the application and the benchmark response time when users enter the demographic details.

Below are the scenario details:

Sprint/Report Name	FIT - 3 Enter_demographic_detail
Run Date	27-February-2019
Period	03:57 PM to 03:59 PM
Number of concurrent users	10
Ramp up	1 user per second
Run Duration	2 minutes
Ramp down	1 user per second

The transaction response times observed were as below:

Label	#Sample	Average	90% line(ms)	Min(ms)	Max(ms)	Error%	Throughput/Sec	Throughput/Min
Create form data	31	3832	7183	818	23346	0.00%	0.23	14

Performance Test Execution Details

Test was executed with 60 seconds think time for Create form data API. It was observed that the CPU resource is utilized minimally and there are no other issues observed in the integration server.

Test Environment

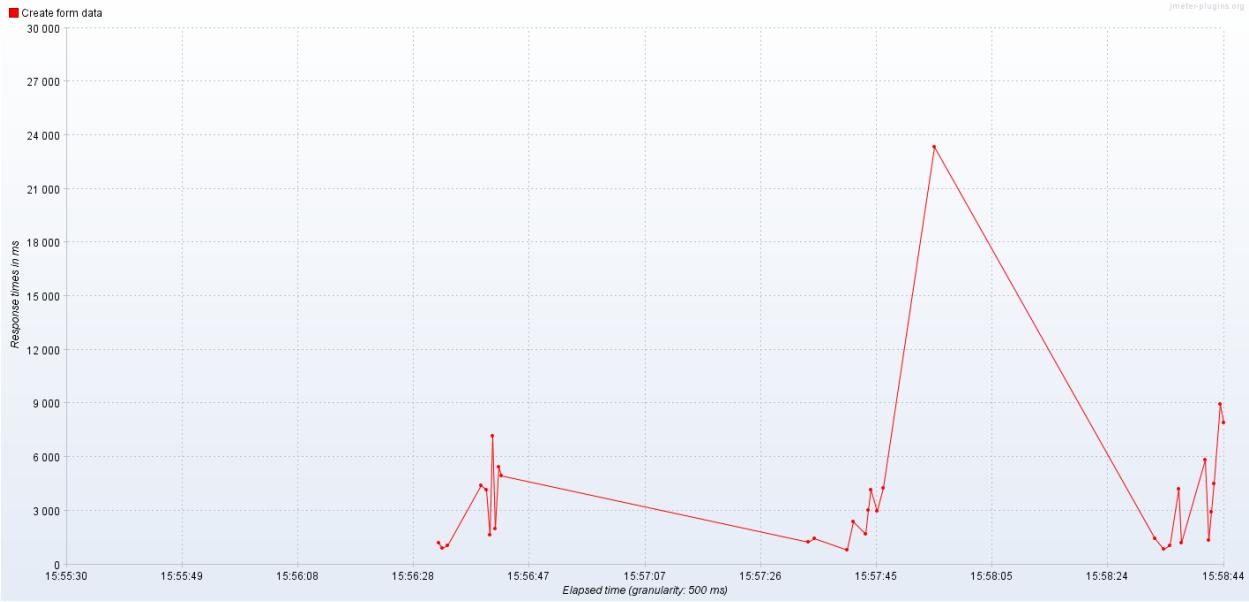
The Integration test environment used for test execution.

CPU cores: 1

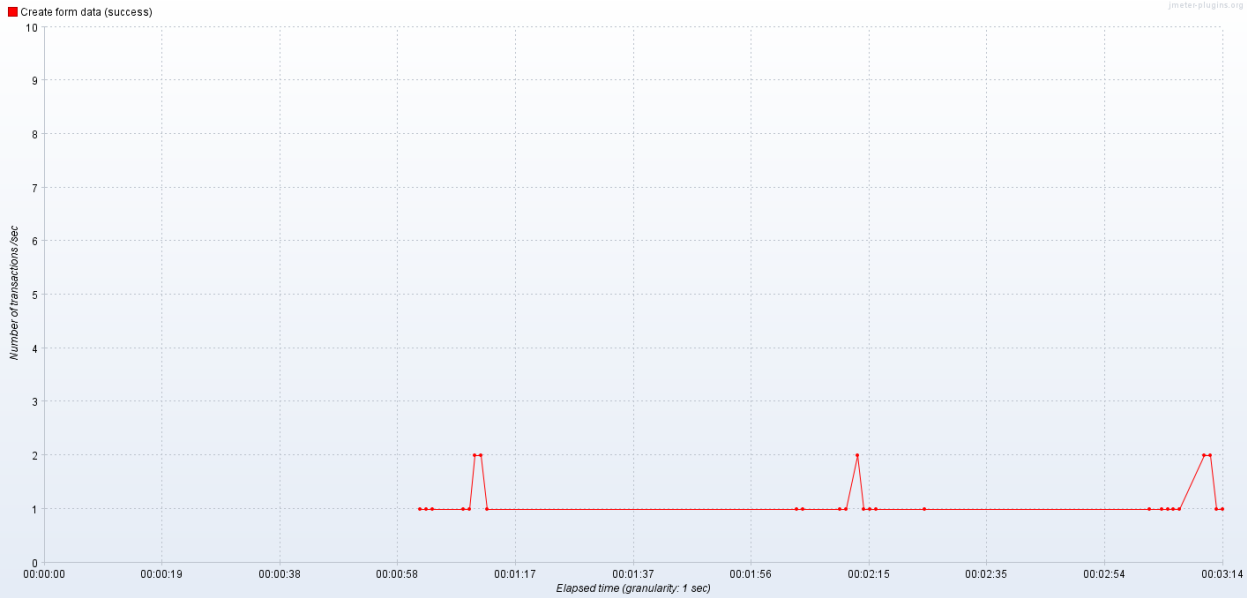
Memory: 8GB

Response Time Graph

There were very high response time noticed during the test.



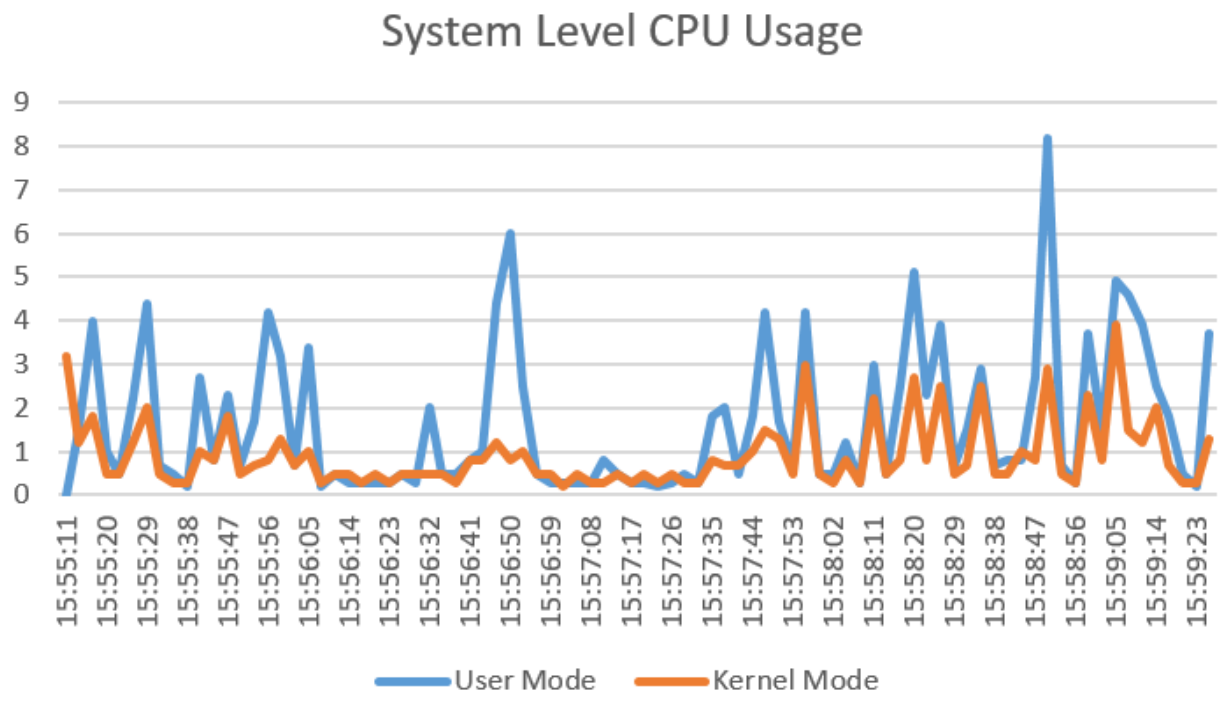
Transactions per second:



Resource Usage Metrics

Top command of Linux was used to monitor and record the resource usage. System level CPU and memory usage is demonstrated in the below graphs.

CPU Usage at System and User level:



Conclusion and Next Steps

The CPU usage was around 3% level when users count ramped to 10.

The response time of the transactions were keep fluctuating during the test with average minimum of 818 milliseconds to maximum of 23346 milliseconds.