Mindtree

Pre-Registration

Performance Benchmark Test Report

For

Execution of

Booking_Appointment_FullFlow – 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 the three API Endpoints sequentially 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 details, upload the documents and book appointment.

Below are the scenario details:

Sprint/Report Name	FIT - 3 Booking_Appointment_FullFlow
Run Date	27-February-2019
Period	03:11 PM to 03:13 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	27	3616	6366	733	22830	0.00%	0.21	12.49
POA Document Upload	20	3481	4195	521	22157	0.00%	0.15	8.90
POI Document Upload	19	2406	3668	542	21848	0.00%	0.17	10.34
Book Appointment	18	2536	3716	318	21598	0.00%	0.17	9.91

Performance Test Execution Details

Test was executed with 60 seconds think time for Create form data API and 3 seconds for Document, Booking APIs. During the test, it was observed that the CPU resource is utilized minimally and there are no other issues observed in the integration server.

Test Environment

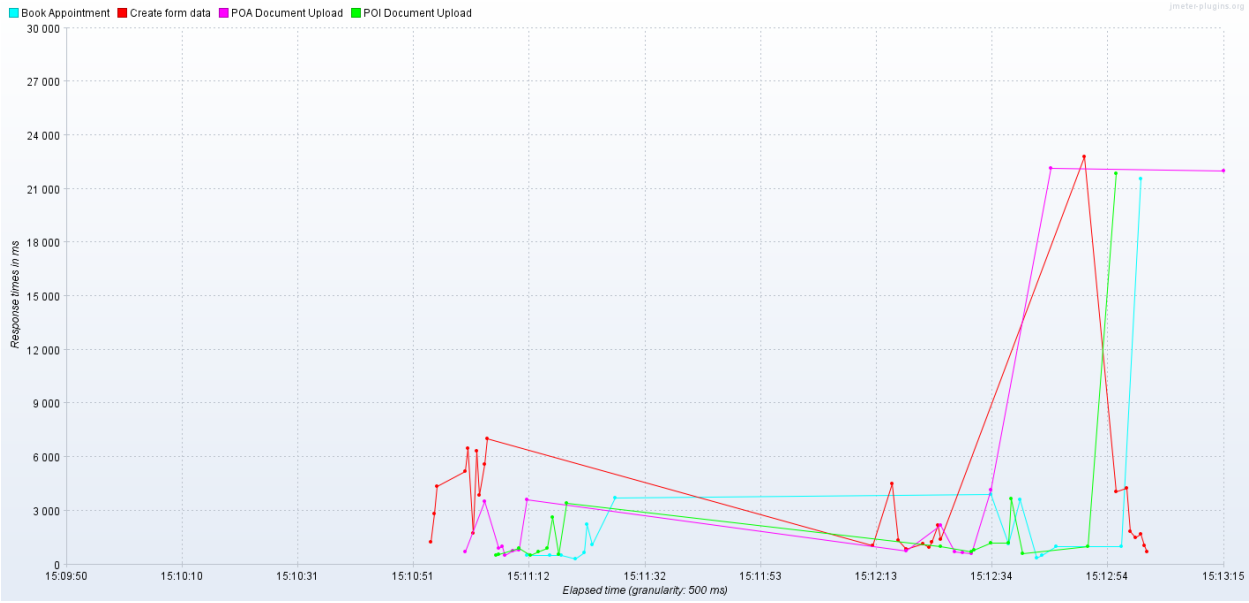
The Integration test environment used for test execution.

CPU cores: 1

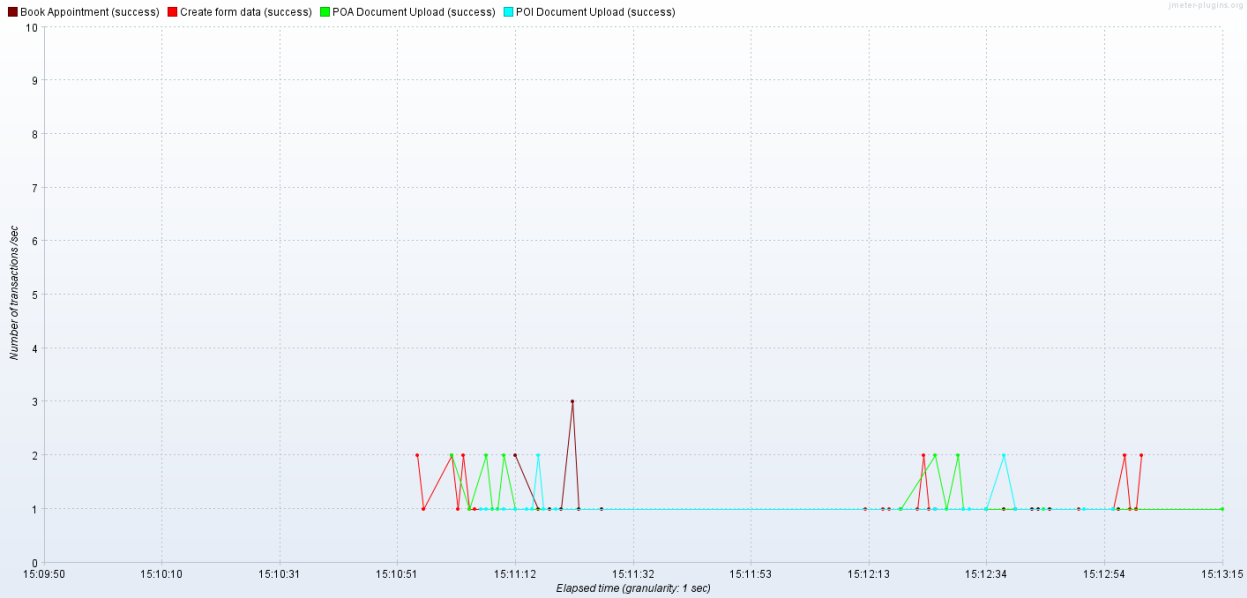
Memory: 8GB

Response Time Graph

There were very high response time noticed during the test.



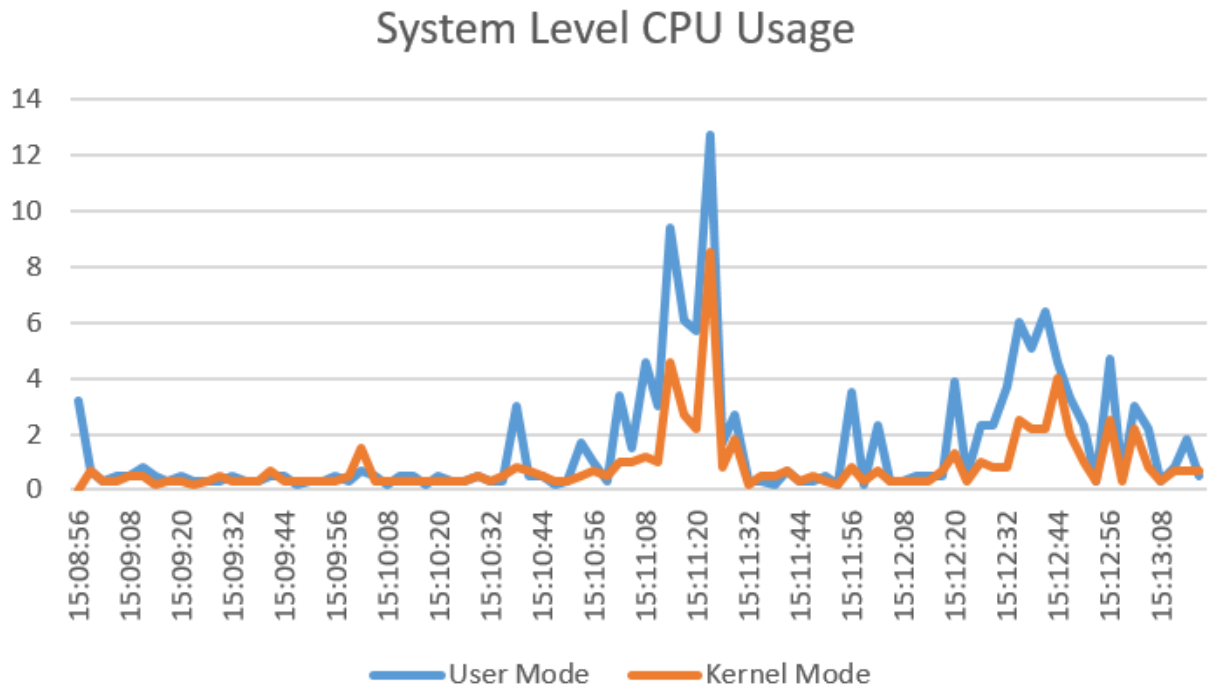
Transactions per second:



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 8% level when users count ramped to 10.

The response time of the transactions were keep fluctuating during the test with average minimum of 318 milliseconds to maximum of 22830 milliseconds.