Mindtree

Performance Test Report

For

Execution of

Slot availability Batch Job– 25 users

Date: 31 May 2019

Author: Anand Babaleshwar

Summary

This report presents the observations and findings of the load test conducted for a load of 25 users which will make booking appointments after executing 30 days Slot availability batch jobs running for a duration of 34 minutes.

The objective of this load test was to observe and record the behavior of the application when users are booking appointments after executing slot availability for 30 days.

Below are the scenario details:

Sprint/Report Name	Booking appointments after executing slot availability batch job for 30 days
Run Date	31-May-2019
Period	05:15 PM to 05:42 PM
Number of concurrent users	25
Ramp up	2 min
Run Duration	30 minutes
Ramp down	2 min

Batch Job execution details:

Executed slot availability batch job for 30 days and verified in the DB as well after creation of slots for 30 days, below are the details:

instance_id	Create_Time	Start_Time	End_Time	Execution Time	Status	Slots available (DB)	Days (DB)
1034	16:55.7	16:55.7	19:52.0	00:02:56	completed	12195	30

Slot availability batch job took 00:02:56 sec for executing 30 days. After verifying in db and we have executed booking appoints from Jmeter tool.

The transaction response times observed were as below:

Label	# Samples	Average (msec)	90% Line (msec)	Min (msec)	Max (msec)	Error %	Throughput (Sec)
mosip_preReg_homepage	785	3445	6425	376	17875	0.00%	0.38845
mosip_preReg_send_otp	782	2394	4393	19	9550	0.13%	0.38978
mosip_preReg_validate_otp	779	1957	4083	113	16364	0.00%	0.38844
mosip_preReg_submit_demographics	778	1863	3498	485	13094	0.00%	0.38805
mosip_preReg_upload_poi_document	776	496	574	414	1991	0.39%	0.38676
mosip_preReg_upload_poa_document	775	437	500	356	4079	0.00%	0.38634
mosip_open_preview_pageupload_poi_document	774	14	18	9	37	0.00%	0.38692
mosip_preReg_open_regCeneter_selection_page	774	180	180	147	5740	0.00%	0.38677
mosip_preReg_search_registration_center	771	84	88	67	1946	0.00%	0.38896
mosip_preReg_open_book_appointment_page	769	211	237	178	694	0.00%	0.38791
mosip_preReg_book_appointment	768	354	401	270	5051	0.00%	0.3868
mosip_preReg_logout	765	4681	8535	349	16156	0.00%	0.38485
TOTAL	9296	1345	3800	9	17875	0.04%	4.56582

Performance Test Execution Details

We have executed the booking appointment user flow, which has transactions mentioned in above table.

All the transactions average response times are within SLA of 3 seconds except below:

1. PreReg_Homepage=3.445 sec

The error rate for all transactions is less than 1%.Details will be shared to developers for further analysis.

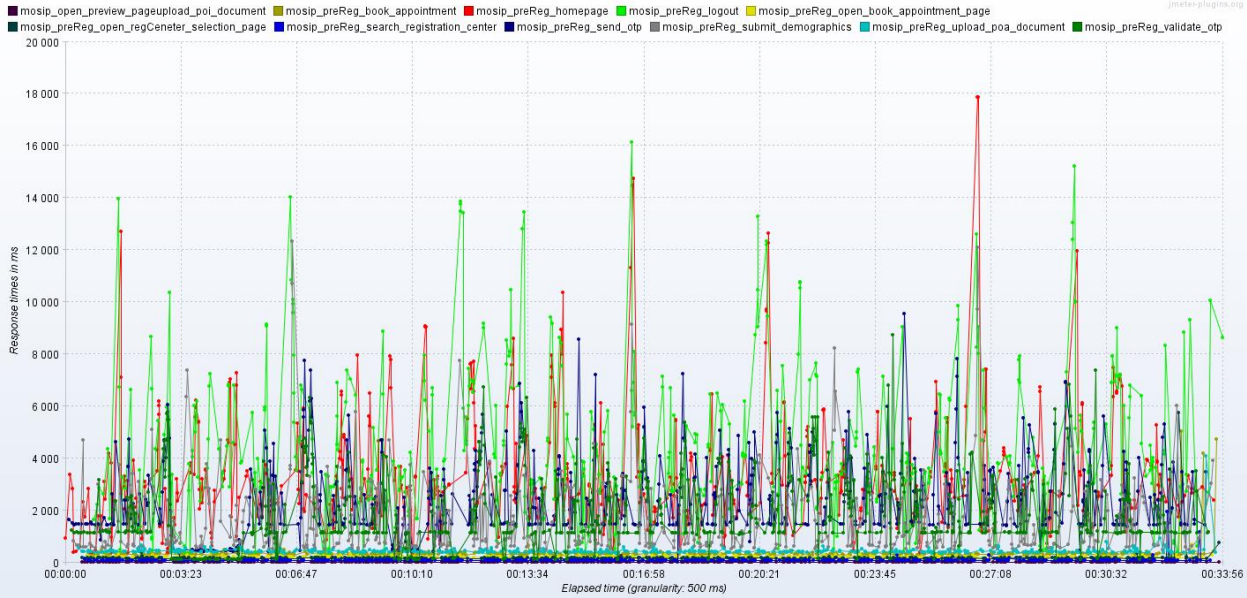
Test Environment

	Common proxy server (NGINX)	(Kubernets cluster) apache Tomcat 8.5.31	DB Postgress SQL 10.2
Number Of nodes	1	4	1
RAM	4 GB	112 GB	16GB
PROCESSOR	2 cores	16 core	4 cores

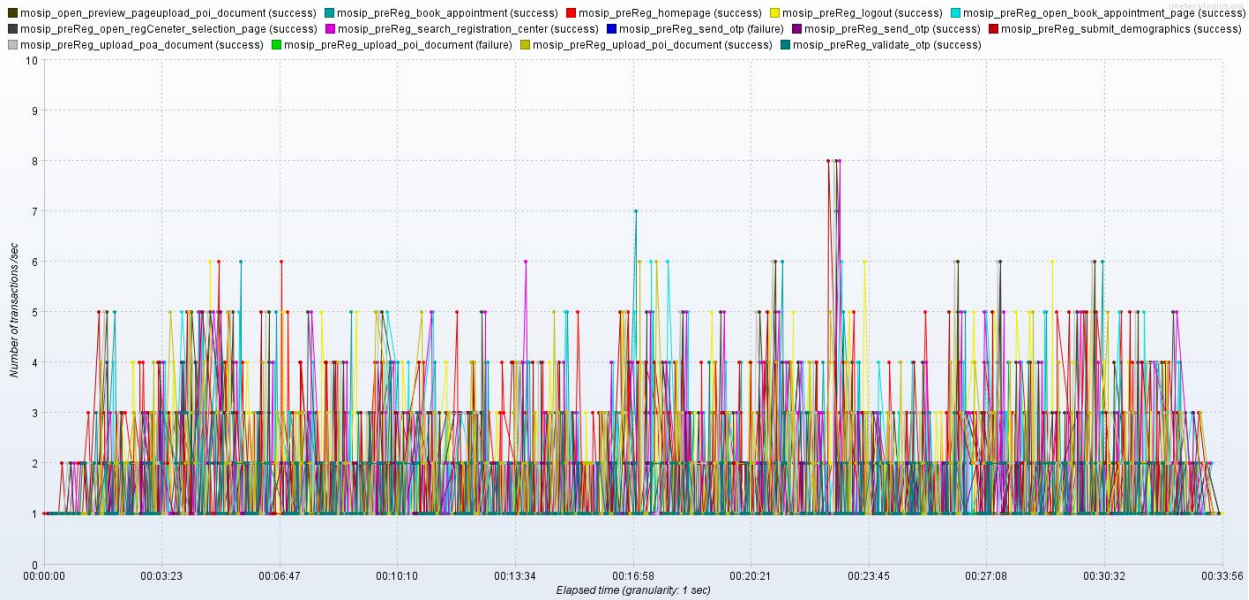
Response Time Graph

All the transactions average response times are within SLA of 3 seconds except below:

1. PreReg_Homepage=3.445 sec



Transactions per second:



Conclusion and Next Steps

We will testing for 60 days, 90 days upto 6 months and we will repeat the same execution and will observe the performance of transactions and execution time for batch jobs