

Performance Test Report

For

Execution of

PreRegistration module – 300 users (Run2)

Date: 16th Sep 2019

Author: Anand Babaleshwar

Summary

This report presents the observations and findings of the load test conducted for a load of 150 users performing booking appointments full flow planned for 12-hour duration

The objective of this load test was to create 2 lac preregistrations.

Below are the scenario details:

Sprint/Report Name	Booking appointments
Run Date	16-Sep-2019
Period	07:56 AM to 09:03 AM (UTC)
Number of concurrent users	300
Ramp up	4 min
Run Duration	60 minutes
Ramp down	4min

The transaction response times observed were as below:

Label	# Samples	Average (ms)	90% Line (ms)	Min (ms)	Max (ms)	Error %	Throughput (sec)
TR_prereg_homepage	37860	121	268	44	2640	0.00%	0.86961
TR_prereg_sendotp	37849	35223	55571	153	136247	0.44%	0.86945
TR_prereg_validateotp	37660	42634	68266	160	137056	0.10%	0.86511
TR_prereg_viewbasicdetails	37592	2372	4291	284	30965	0.00%	0.86356
TR_prereg_submitdemographic	37584	6983	12287	53	125566	0.01%	0.86339
TR_prereg_uploadpoidocument	37571	329	344	40	13643	0.07%	0.8632
TR_prereg_uploadpoadocument	37538	256	322	28	15070	0.08%	0.86246
TR_prereg_searchregcenter	37504	77	244	22	2470	0.00%	0.86177
TR_prereg_openbookappointmentpage	37495	175	240	71	3035	0.00%	0.86173
TR_prereg_bookappointment	37492	464	608	120	30906	0.00%	0.86164
TR_prereg_notify	37479	528	475	14	180013	0.81%	0.86245
TR_prereglogout	37172	35482	55636	205	117133	0.01%	0.85496

Performance Test Execution Details

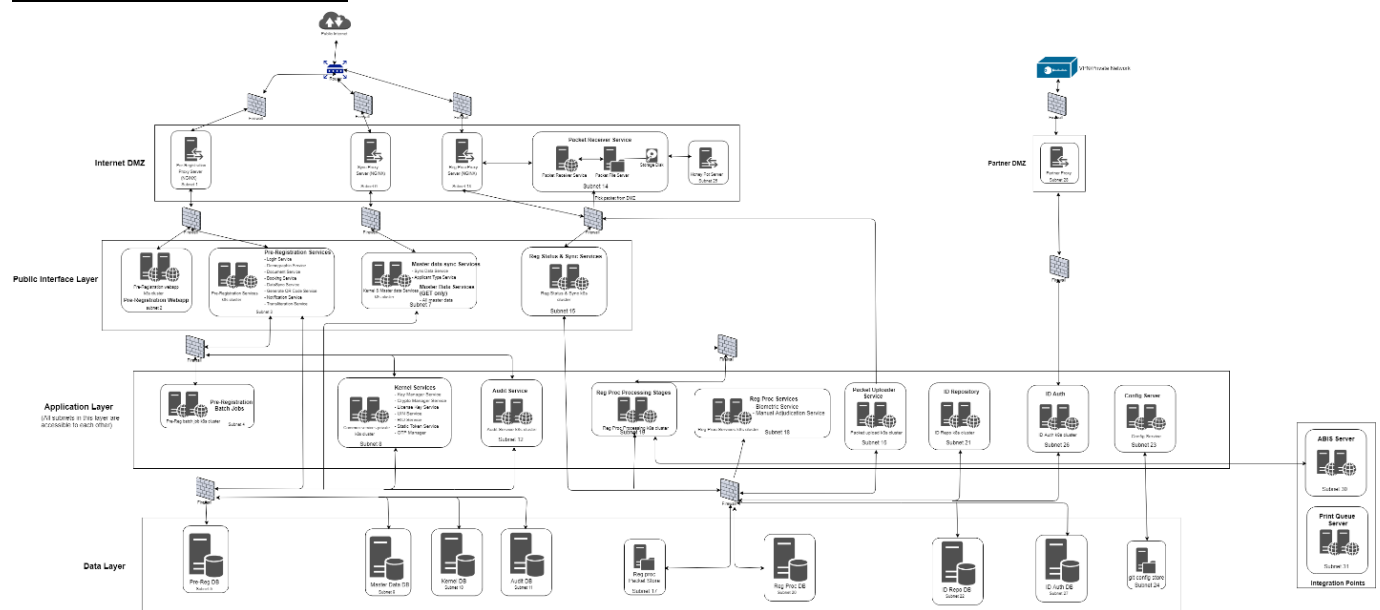
We have executed the booking appointment user flow, which has transactions mentioned in above table.

All the transactions average response times were less than 3sec except below:

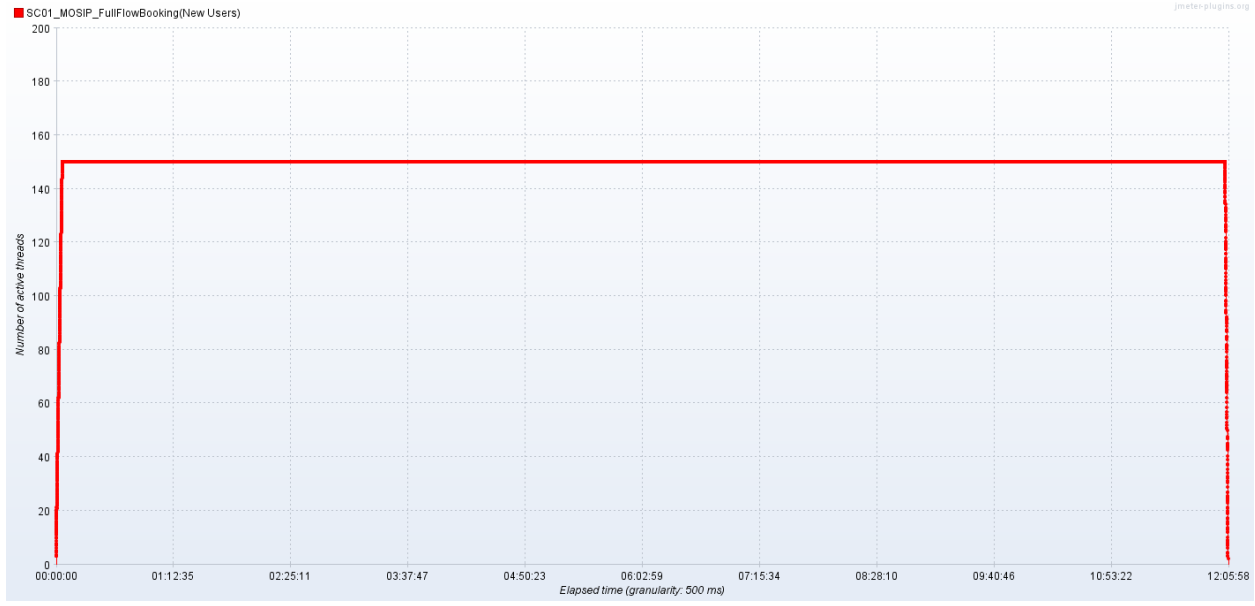
1. TR_prereg_sendotp -35.223 sec
2. TR_prereg_validateotp -42.634 sec
3. TR_prereg_submitedemographic -6.983 sec
4. TR_prereglogout -35.482 sec

The error rate for all transactions is less than 1%

Test Environment : Architecture is available below:



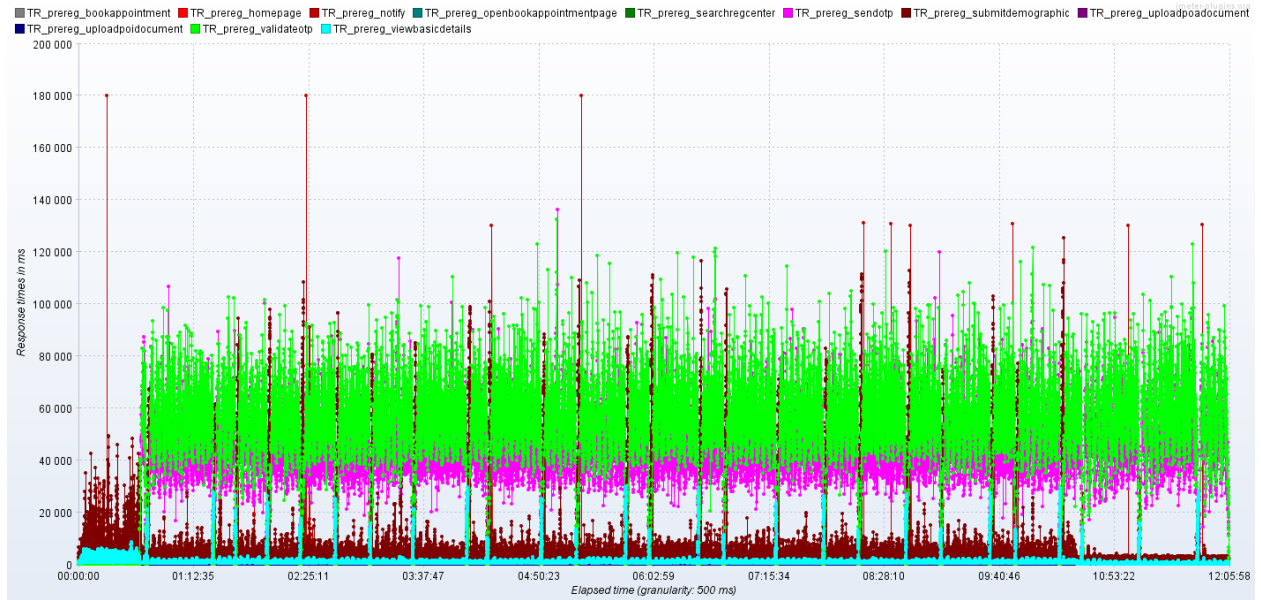
Active threads over Time:



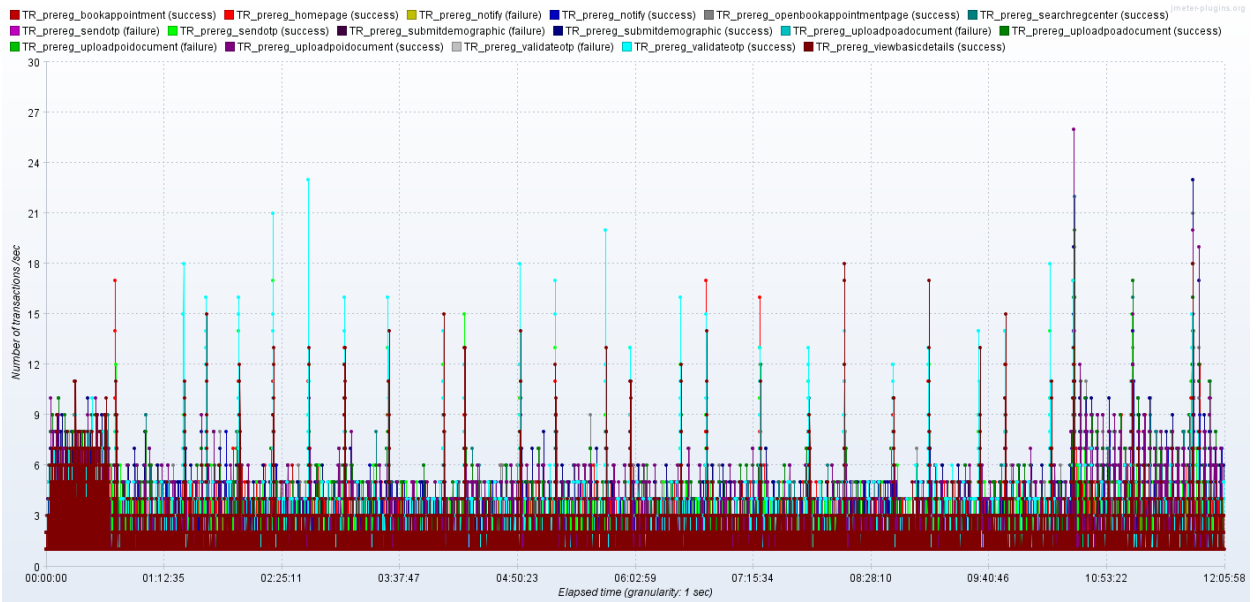
Response Time Graph

All the transactions average response times were less than 3sec except below:

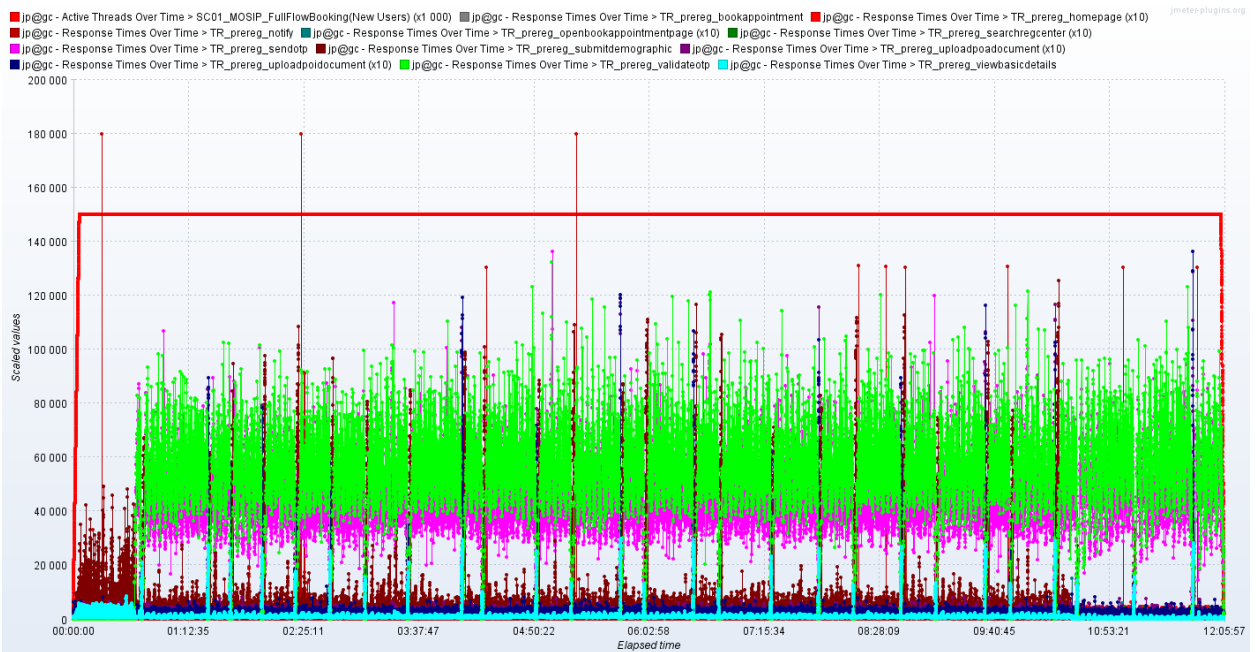
5. TR_prereg_sendotp -35.223 sec
6. TR_prereg_validateotp -42.634 sec
7. TR_prereg_submitdemographic -6.983 sec
8. TR_prereglogout -35.482 sec



Transactions per second:



Active threads vs response times over time:



Conclusion and Next Steps

This execution is performed to create 2 Lac preregistrations in DB as of around 50K preregistrations are created in DB we will continuing few more performance runs to create preregistrations up to 2 lac which 1 month volume