

Performance Test Report

For

Execution of

PreRegistration module – 300 users (Run1)

Date: 25th Sep 2019

Author: Anand Babaleshwar

Summary

This report presents the observations and findings of the load test conducted for a load of 300 users performing booking appointments full flow planned for 1-hour duration

The objective of this load test was to observe and record the behavior of the application when users are booking appointments for 300 concurrent users after dev team applied fix for defect MOS-29439 .

Below are the scenario details:

Sprint/Report Name	Booking appointments
Run Date	25-Sep-2019
Period	06:35 AM to 07:41 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	9559	122	265	49	3042	0.00%	2.41459
TR_prereg_sendotp	9536	10702	20101	243	52371	0.32%	2.41782
TR_prereg_validateotp	9477	10333	19205	238	43257	0.14%	2.41152
TR_prereg_viewbasicdetails	9415	13545	28042	336	56601	0.00%	2.39631
TR_prereg_submitdemographic	9388	15748	37054	259	116421	0.00%	2.39442
TR_prereg_uploadpoidocument	9360	2065	8045	138	32571	0.00%	2.38909
TR_prereg_uploadpoadocument	9348	1366	4164	86	33602	0.00%	2.38635
TR_prereg_searchregcenter	9337	70	167	36	2763	0.00%	2.38271
TR_prereg_openbookappointmentpage	9315	310	545	70	6389	0.00%	2.38764
TR_prereg_bookappointment	9307	9386	29262	121	73415	0.00%	2.38543
TR_prereg_notify	9267	1226	585	12	180013	3.51%	2.37592
TR_prereglogout	8927	7685	13856	229	40345	0.00%	2.28977

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-10.702 sec
2. TR_prereg_validateotp-10.333 sec
3. TR_prereg_viewbasicdetails-13.545 sec
4. TR_prereg_submitdemographic-15.748 sec
5. TR_prereglogout-7.685 sec

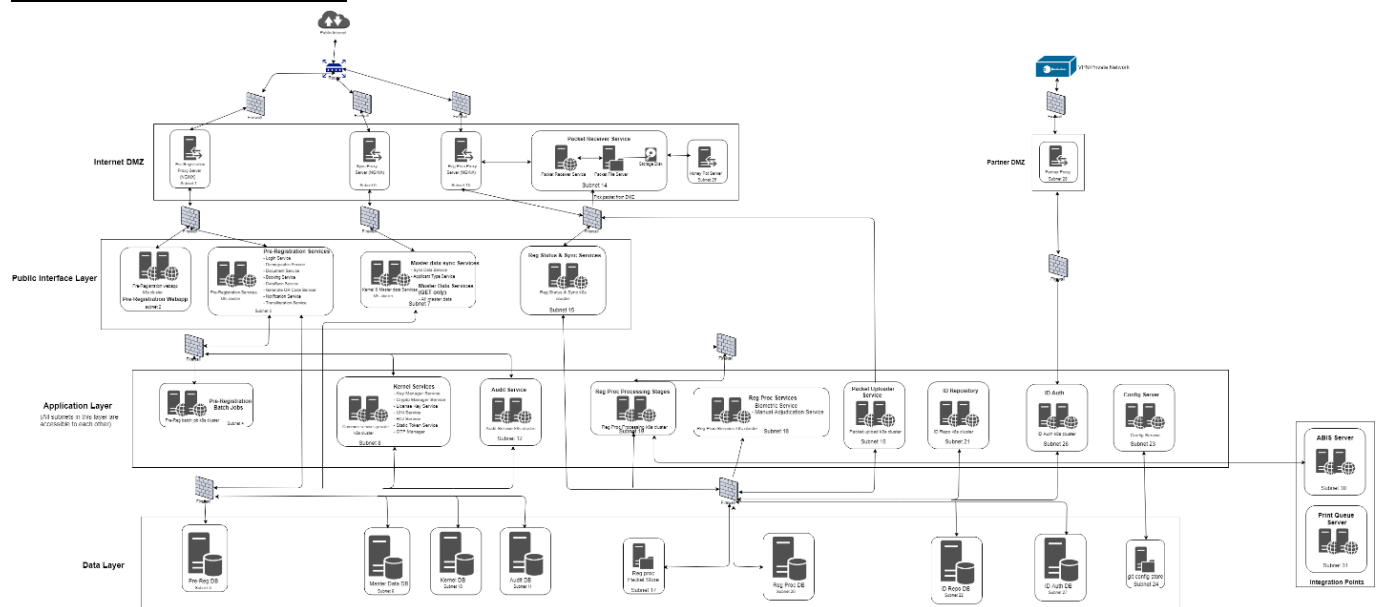
The error rate for all transactions is less than 1% except below request:

TR_prereg_notify-3.51%

Below are the error messages:

```
{ "id": "mosip.pre-
registration.notification.notify", "version": "1.0", "responsetime": null, "response": null, "errors": null }
```

Test Environment : Architecture is available below:





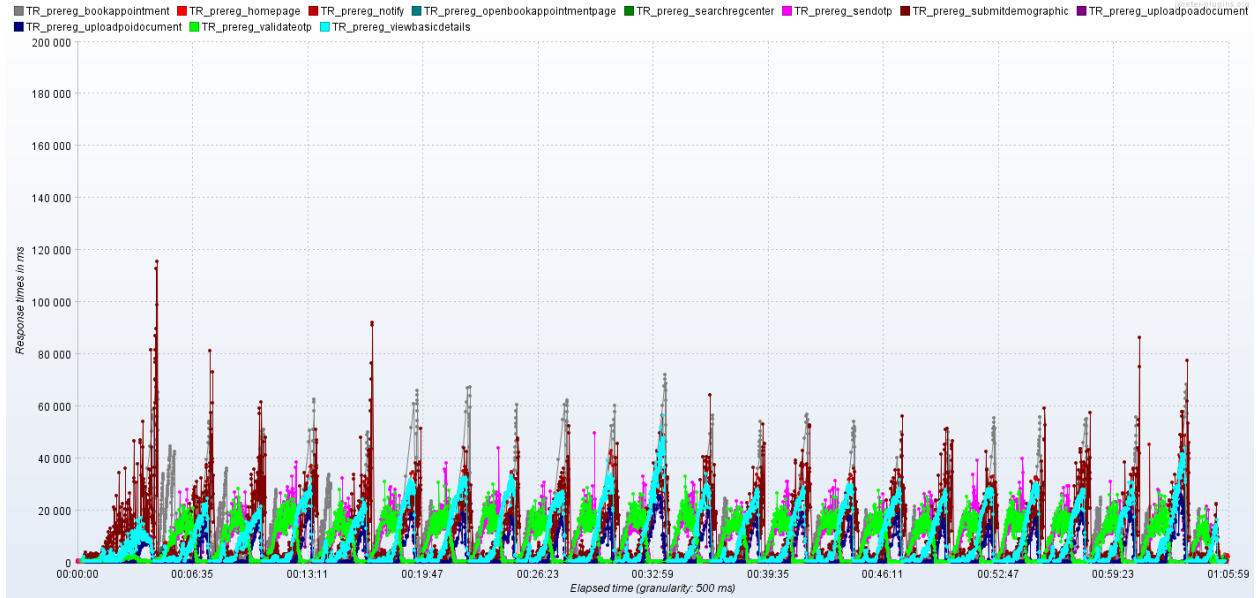
Active threads over Time:



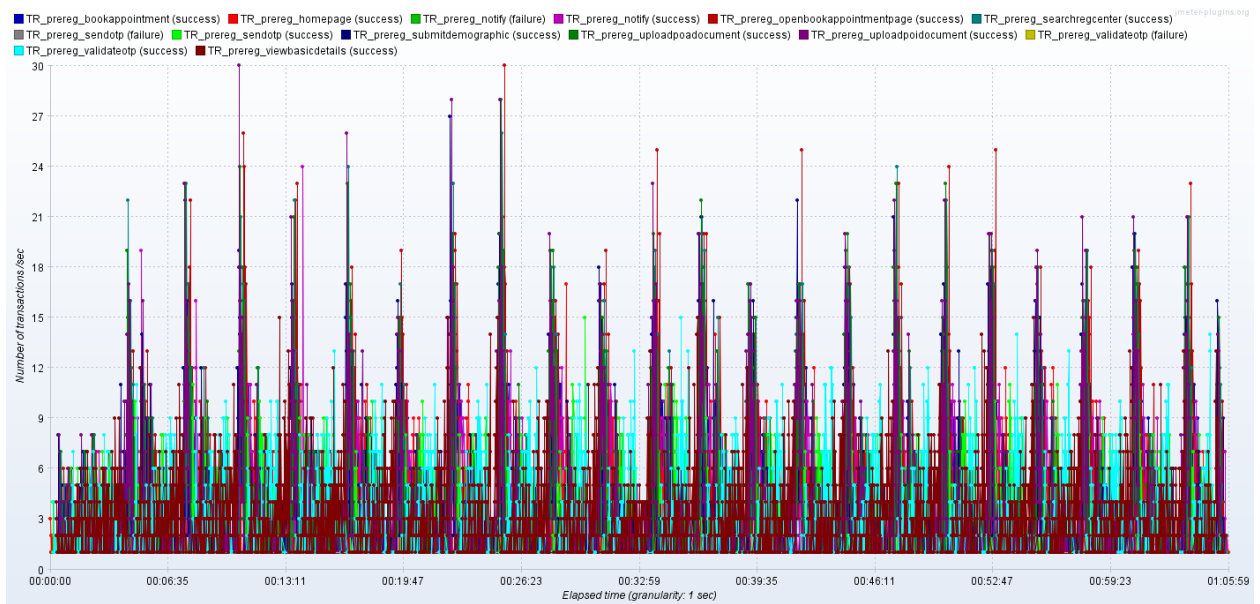
Response Time Graph

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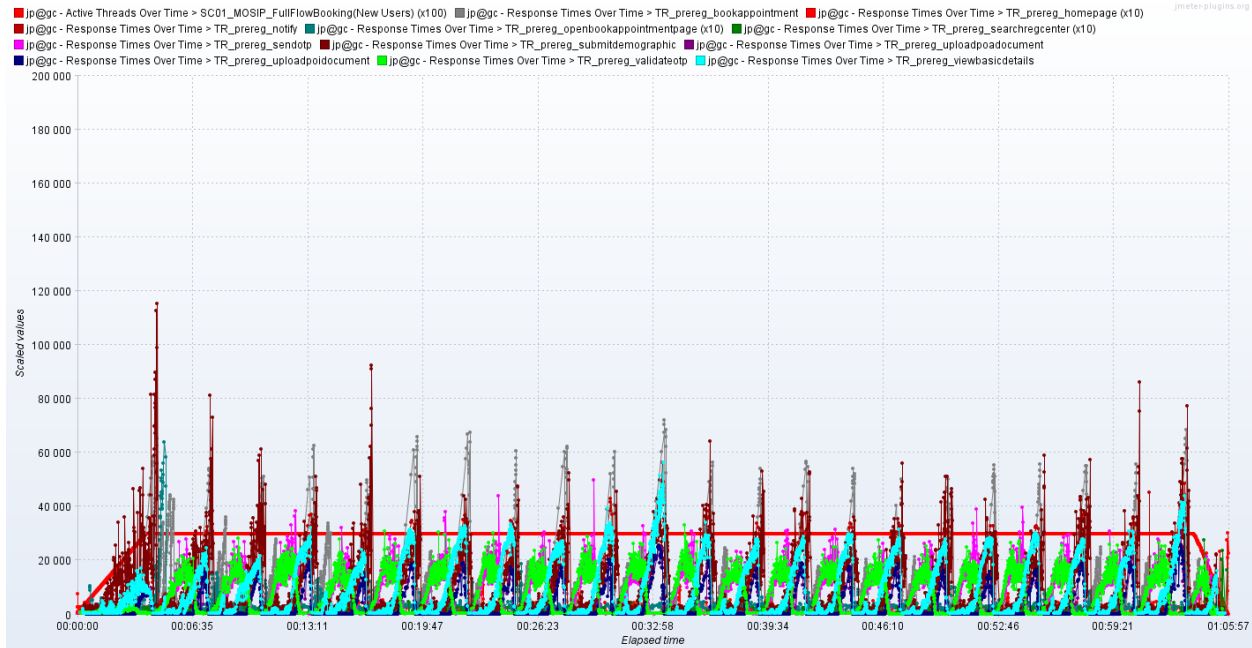
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Transactions per second:



Active threads vs response times over time:



Conclusion and Next Steps

When we executed performance run after fix applied ofr MOS-29439 ,There were no errors observed and response times were less than NFR, The fix applied (code changes) worked fine ,So we will be executing one more consistency to validate the fix.