

# **Performance Test Report**

## **For**

## **Execution of**

## **PreRegistration module – 300 users (Run2)**

Date: 25<sup>th</sup> 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 consistency 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:

<b>Sprint/Report Name</b>	Booking appointments
<b>Run Date</b>	25-Sep-2019
<b>Period</b>	07:56 AM to 09:03 AM (UTC)
<b>Number of concurrent users</b>	300
<b>Ramp up</b>	4 min
<b>Run Duration</b>	60 minutes
<b>Ramp down</b>	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	7592	2466	12329	49	39463	0.00%	1.92388
TR_prereg_sendotp	7577	27971	103374	235	180016	4.08%	1.90161
TR_prereg_validateotp	7178	22752	89338	233	169420	1.71%	1.80334
TR_prereg_viewbasicdetails	6978	13035	28415	323	50707	0.00%	1.78181
TR_prereg_submitdemographic	6977	13209	33553	244	79407	0.00%	1.78214
TR_prereg_uploadpoidocument	6973	1778	6845	134	27797	0.00%	1.78244
TR_prereg_uploadpoadocument	6972	1186	3196	85	26034	0.00%	1.78238
TR_prereg_searchregcenter	6969	69	240	36	652	0.00%	1.78168
TR_prereg_openbookappointmentpage	6966	237	387	69	3811	0.00%	1.78273
TR_prereg_bookappointment	6965	7711	19489	120	73408	0.00%	1.78746
TR_prereg_notify	6960	1031	452	229	130396	2.80%	1.7861
TR_prereglogout	6761	20980	86590	235	164910	0.02%	1.71821

## **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 - 27.971 sec
2. TR\_prereg\_validateotp - 22.752 sec
3. TR\_prereg\_viewbasicdetails - 13.035 sec
4. TR\_prereg\_submitdemographic - 13.209 sec
5. TR\_prereg\_bookappointment - 7.711 sec
6. TR\_prereglogout - 20.98 sec

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

1. TR\_prereg\_sendotp - 4.08%
2. TR\_prereg\_validateotp - 1.71%
3. TR\_prereg\_notify - 2.80%

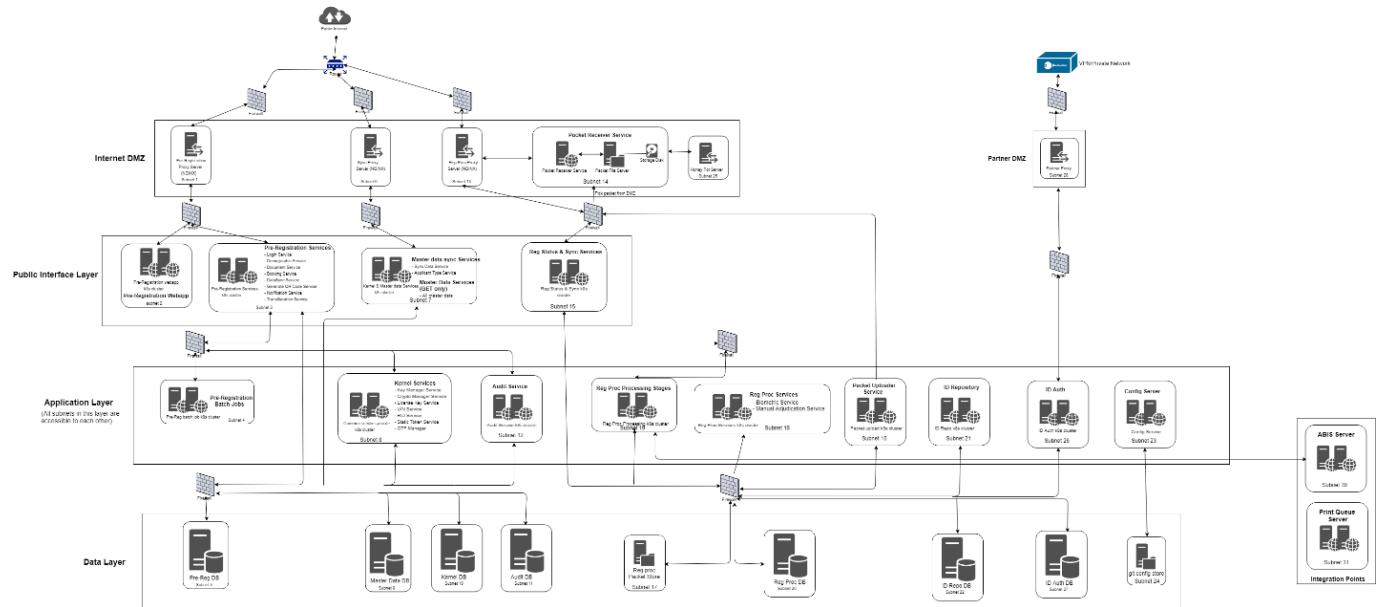
Below are the error messages:

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

```
{"id":"mosip.pre-  
registration.login.sendotp","version":"1.0","responsetime":"2019-09-  
19T06:42:56.048Z","response":null,"errors":[{"errorCode":"PRG_PAM_CORE_001  
","message":"Request id is invalid"}]}
```

```
{"id":"mosip.pre-  
registration.login.useridotp","version":"1.0","responsetime":"2019-09-  
19T06:56:11.774Z","response":null,"errors":[{"errorCode":"PRG_PAM_CORE_001  
","message":"Request id is invalid"}]}
```

## Test Environment : Architecture is available below:



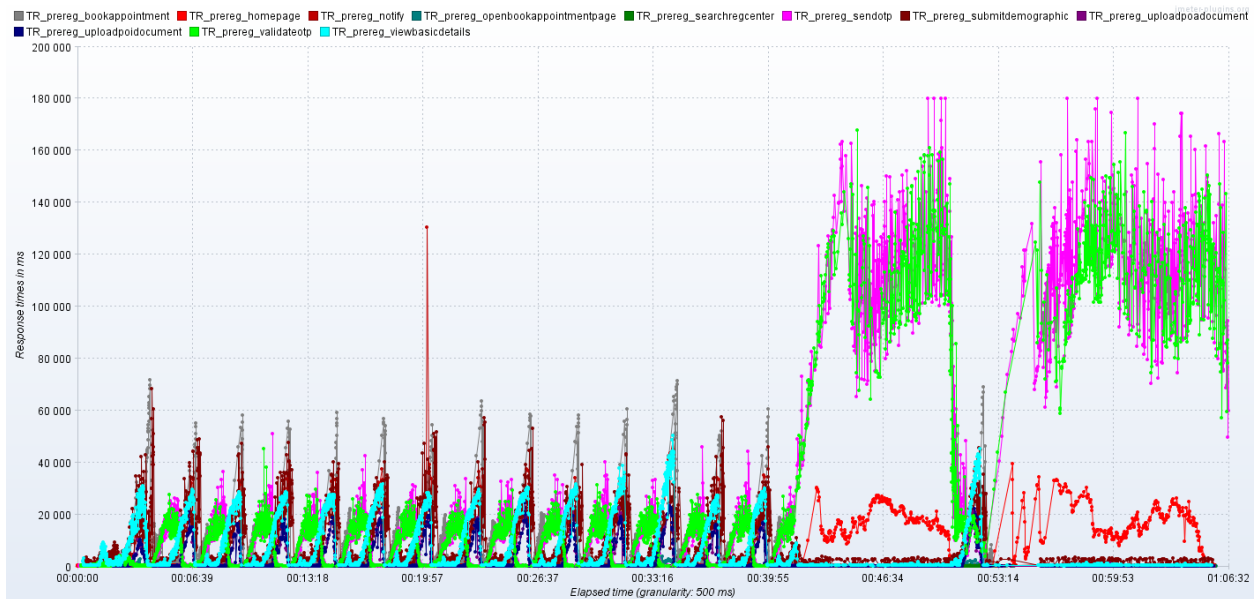
## Active threads over Time:



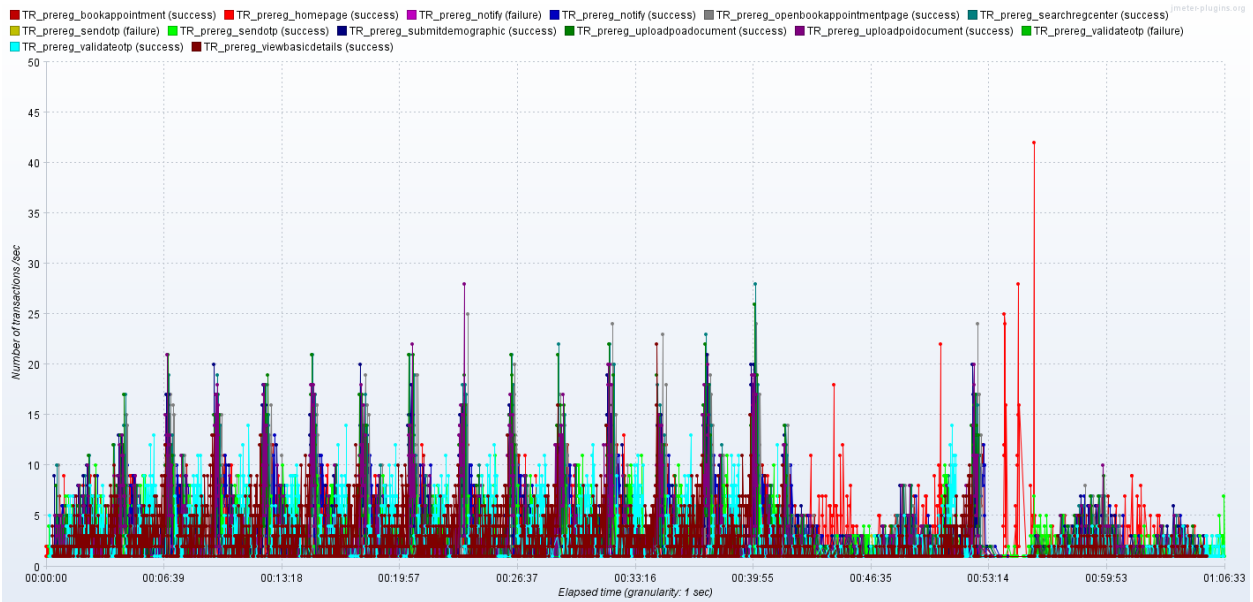
## Response Time Graph

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

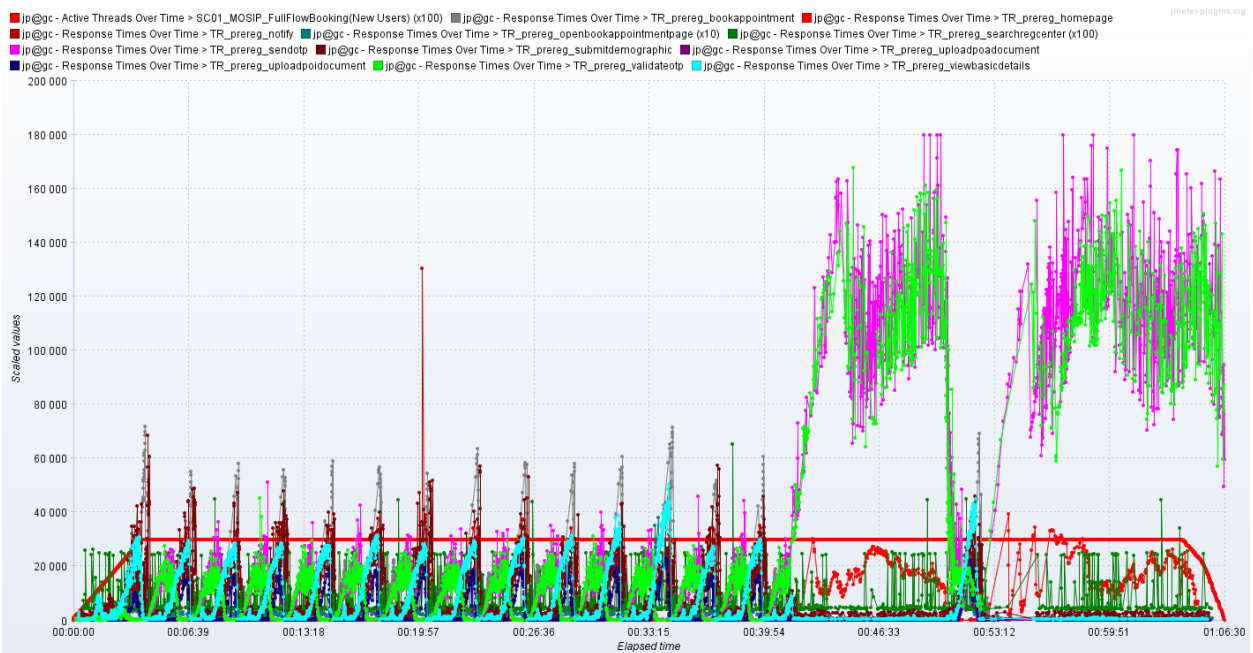
1. TR\_prereg\_sendotp - 27.971 sec
2. TR\_prereg\_validateotp - 22.752 sec
3. TR\_prereg\_viewbasicdetails - 13.035 sec
4. TR\_prereg\_submitdemographic - 13.209 sec
5. TR\_prereg\_bookappointment - 7.711 sec
6. TR\_prereglogout - 20.98 sec



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 for the upload POI and POA documents ,for the remaining errors raised jira defects id and following up with dev team The fix applied (code changes) worked fine ,So we are closing the defect MOS-29439