

# **Performance Test Report**

## **For**

### **Execution of**

#### **Slot availability Batch Job– 100 users**

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#### **Summary**

This report presents the observations and findings of the 60 days slot availability batch job and load test conducted for a load of 100 users, which will make booking appointments after executing 60 days Slot availability batch jobs running for a duration of 35 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 60 days.

Below are the scenario details:

<b>Sprint/Report Name</b>	Booking appointments after executing slot availability batch job for 60 days
<b>Run Date</b>	10-Sep-2019
<b>Period</b>	06:22 AM to 06:58 AM
<b>Number of concurrent users</b>	100
<b>Ramp up</b>	4 min
<b>Run Duration</b>	30 minutes
<b>Ramp down</b>	2 min

### **Batch Job execution details:**

Executed slot availability batch job for 60 days and verified in the DB as well after creation of slots for 60 days, below are the details:

<b>instance_id</b>	<b>Create_Time</b>	<b>Start_Time</b>	<b>End_Time</b>	<b>Execution Time</b>	<b>Status</b>	<b>Slots available (DB)</b>	<b>Days (DB)</b>
70	10:25:14.474	10:25:14.501	10:26:15.379	00:01:01	COMPLETED	18504	60

Slot availability batch job took **00:01:01** sec for executing 60 days. Batch job status is completed and its created 60days slots

Slot availability 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)
TR_prereg_homepage	5293	117	266	49	2907	0.00%	2.46194
TR_prereg_sendotp	5280	576	1259	145	2709	36.29%	2.4569
TR_prereg_validateotp	3360	510	992	158	3160	0.21%	1.7786
TR_prereg_viewbasicdetails	3341	1953	3779	243	20214	0.00%	1.77556
TR_prereg_submitdemographic	3338	2296	3959	175	21111	0.00%	1.7749
TR_prereg_uploadpoidocument	3328	269	380	56	1773	0.12%	1.78517
TR_prereg_uploadpoadocument	3318	186	310	38	1230	0.30%	1.79341
TR_prereg_searchregcenter	3302	73	242	38	3006	0.00%	1.78467
TR_prereg_openbookappointmentpage	3294	110	181	12	759	0.03%	1.78024
TR_prereg_bookappointment	3285	301	611	87	2794	0.00%	1.77301
TR_prereg_notify	3272	425	427	231	180014	2.78%	1.77333
TR_prereglogout	3172	569	1145	192	3215	0.00%	1.72326

## **Performance Test Execution Details**

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

All of the key transactions average response times are less than 3 sec SLA

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

TR\_prereg\_notify - 2.78%

TR\_prereg\_sendotp- 36.29%

below are the error messages:

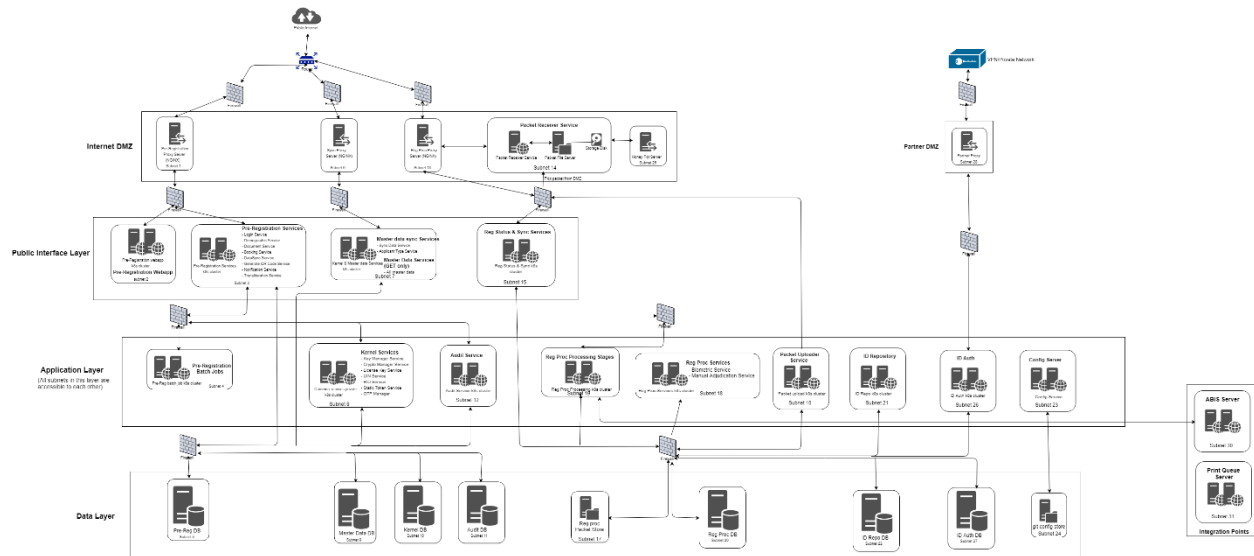
```
{ "id": "mosip.pre-registration.notification.notify", "version": "1.0", "responsetime": null, "response": null, "errors": null }
```

```
{ "id": "mosip.pre-registration.login.sendotp", "version": "1.0", "responsetime": "2019-09-10T11:47:54.417Z", "response": null, "errors": [ { "errorCode": "null", "message": "KER-ATH-501 --> 503 Service Temporarily Unavailable" } ] }
```

Details will be shared to developers for further analysis based on request from team. :

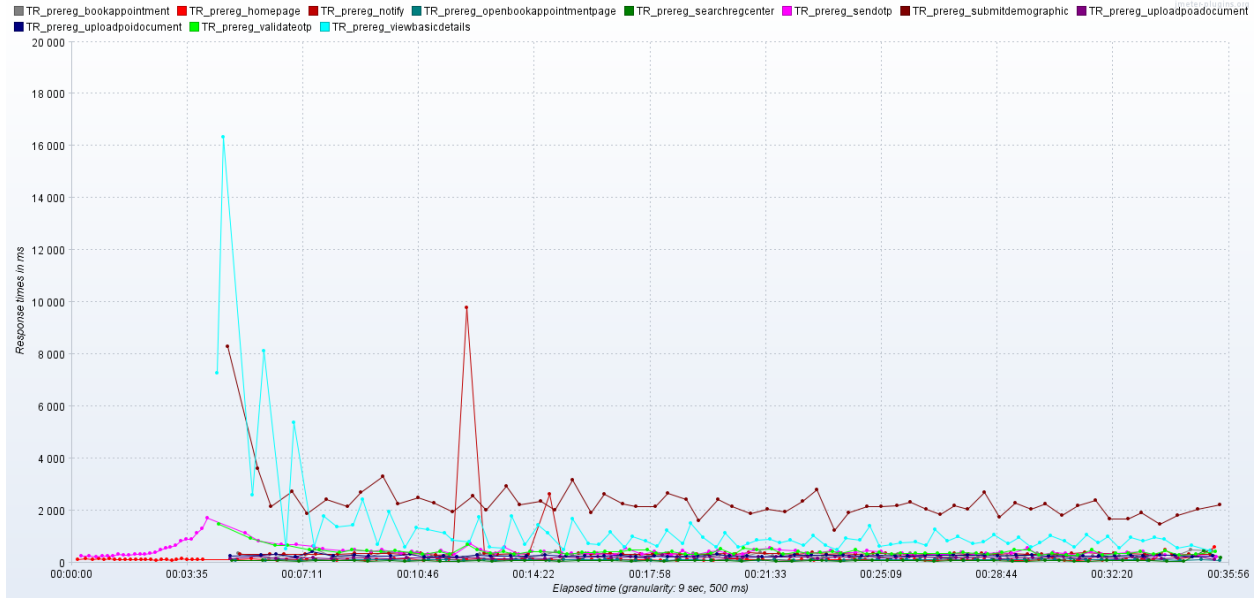
## Test Environment :

Architecture is available below:

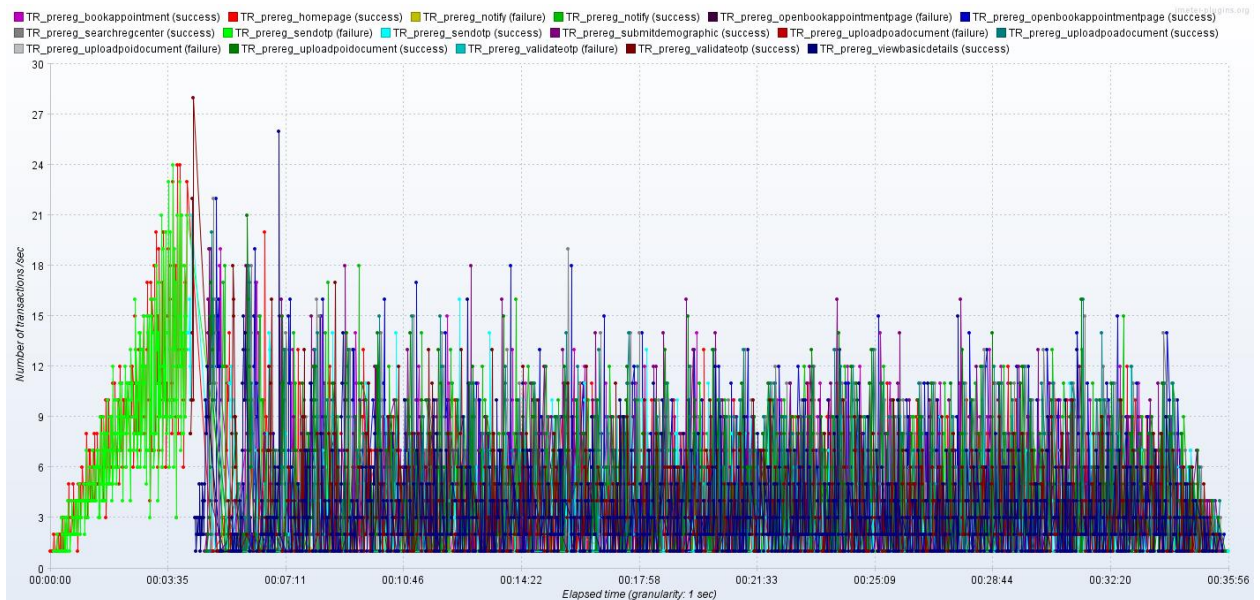


## Response Time Graph

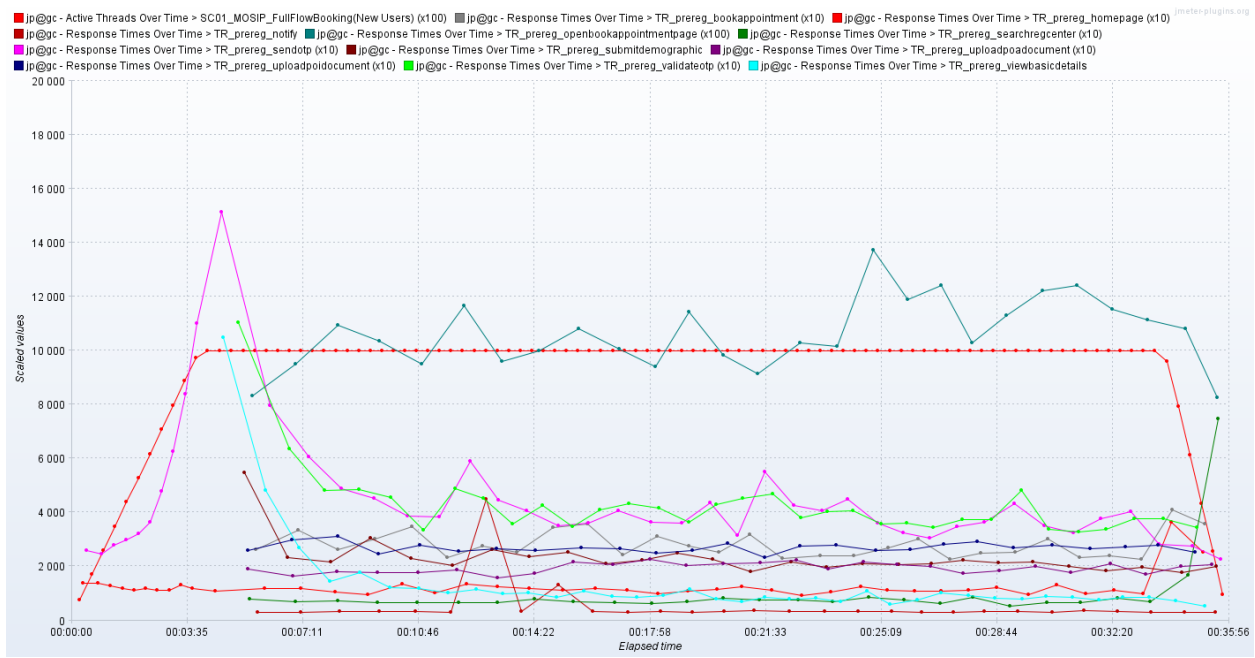
All the transactions average response times are within SLA of 3 seconds



## Transactions per second:



## Active threads vs response times over time:



## Conclusion and Next Steps

We have raised defects in jira for the issues observed in performance run ,we will follow up on issues and we will continue re-test for 90 days up to 6 months and we will repeat the same execution and will observe the performance of transactions and execution time for batch jobs