

# **Performance Test Report**

## **For**

### **Execution of**

#### **Slot availability Batch Job– 150 users**

Date: 11 Sep 2019

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#### **Summary**

This report presents the observations and findings of the 90 days slot availability batch job and load test conducted for a load of 150 users, which will make booking appointments after executing 90 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>	11-Sep-2019
<b>Period</b>	06:22 AM to 06:58 AM
<b>Number of concurrent users</b>	150
<b>Ramp up</b>	4 min
<b>Run Duration</b>	60 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:

instance_id	Create_Time	Start_Time	End_Time	Execution Time	Status	Slots available (No.of.rows in DB)	Days (DB)
78	05:05:00.384	05:05:00.415	05:06:41.129	00:01:41	COMPLETED	26649	90

Slot availability batch job took 00:01:41 min for executing 90 days. Batch job status is completed and its created 90days 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	11914	115	265	32	2468	0.01%	3.01647
TR_prereg_sendotp	11894	2235	4873	126	15568	35.18%	3.01238
TR_prereg_validateotp	7699	1050	2772	137	9360	0.21%	1.95278
TR_prereg_viewbasicdetails	7677	3165	10345	246	27112	0.00%	1.95029
TR_prereg_submitdemographic	7665	3296	6502	90	26825	0.00%	1.94863
TR_prereg_uploadpoidocument	7649	4838	11375	58	130767	0.78%	1.94746
TR_prereg_uploadpoadocument	7582	4840	8747	38	131002	1.24%	1.93945
TR_prereg_searchregcenter	7471	73	172	32	3025	0.00%	1.91111
TR_prereg_openbookappointmentpage	7450	112	174	43	525	0.00%	1.90574
TR_prereg_bookappointment	7436	583	1254	97	6701	0.00%	1.90645
TR_prereg_notify	7421	449	495	90	31946	5.40%	1.90631
TR_prereglogout	7017	967	2606	189	7955	0.00%	1.80268

## Performance Test Execution Details

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

Most of the transactions average response times are less than SLA of **3 seconds** except below:

TR\_prereg\_viewbasicdetails -3.165 sec

TR\_prereg\_submitdemographic - 3.296 sec

TR\_prereg\_uploadpoidocument - 4.838 sec

TR\_prereg\_uploadpoadocument - 4.840 sec

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

TR\_prereg\_sendotp - 35.18%

TR\_prereg\_uploadpoadocument -1.24%

TR\_prereg\_notify -5.40% ,

Below are few 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":"2019-09-11T05:50:20.723Z","response":null,"errors":[{"errorCode":"null","message":"KER-ATH-501 --> 503 Service Temporarily Unavailable"}]}
```

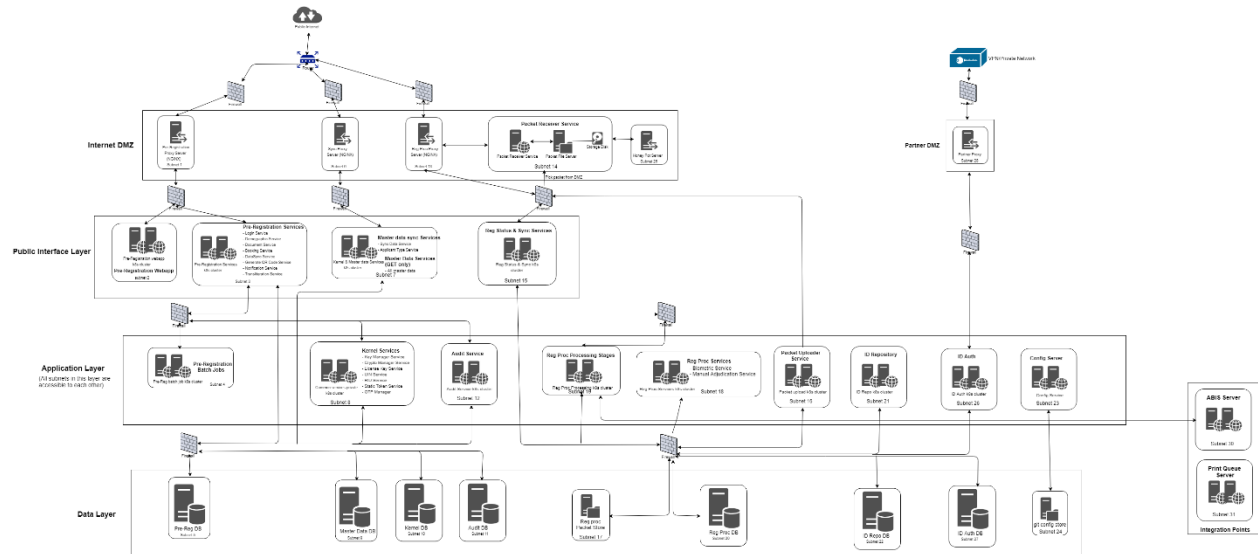
```
{"id":"mosip.pre-registration.document.upload","version":"1.0","responsetime":"2019-09-11T06:21:01.556Z","response":null,"errors":[{"errorCode":"PRG_CORE_REQ_018","message":"Document Category code is invalid"}]}
```

```
{"id":"mosip.pre-registration.login.useridotp","version":"1.0","responsetime":"2019-09-11T05:59:20.231Z","response":null,"errors":[{"errorCode":"PRG_PAM_CORE_001","message":"Request id is invalid"}]}
```

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

## Test Environment :

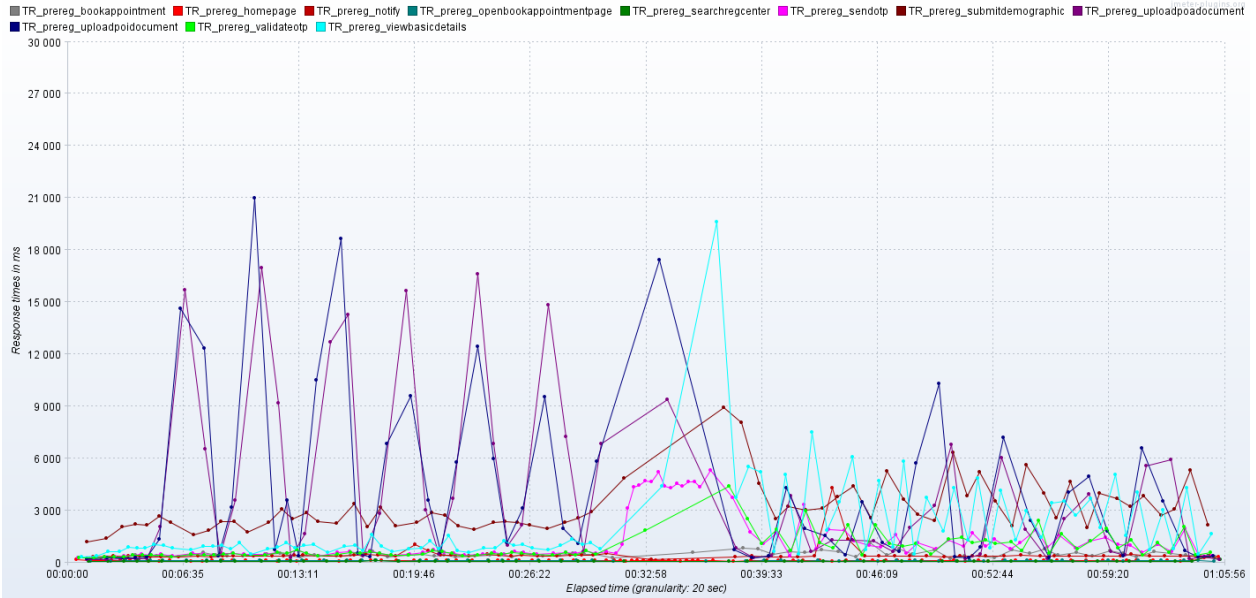
Architecture is available below:



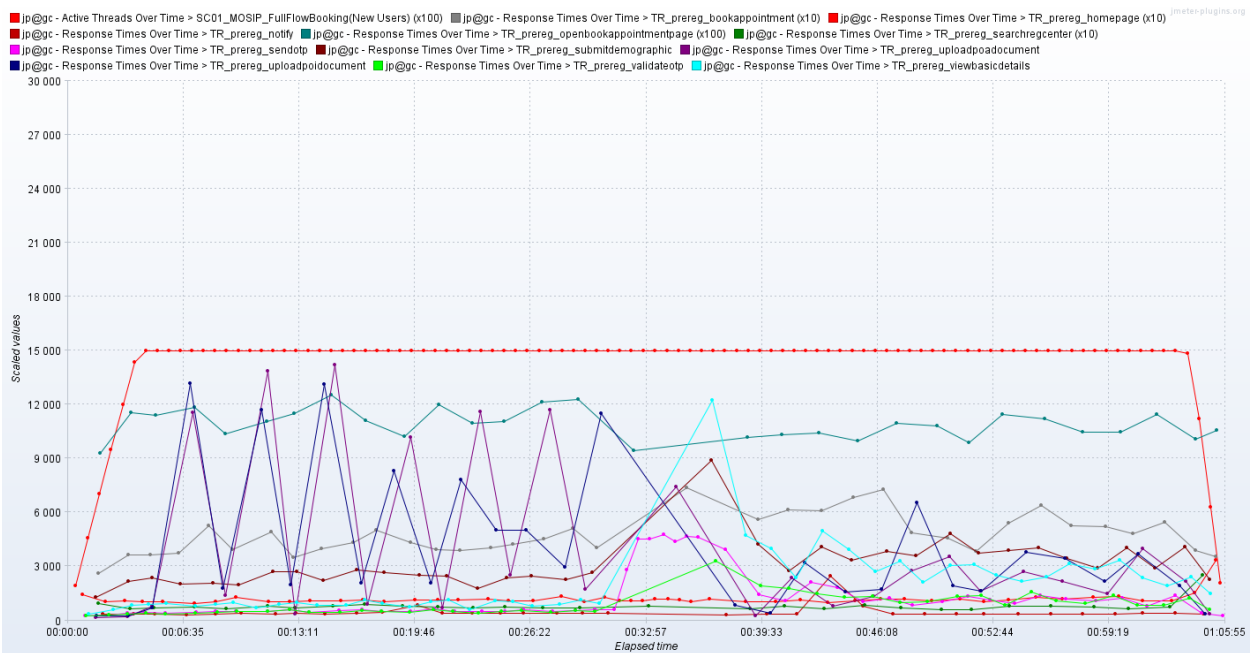
## Response Time Graph

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

1. TR\_prereg\_viewbasicdetails -3.165 sec
2. TR\_prereg\_submitdemographic - 3.296 sec
3. TR\_prereg\_uploadpoidocument - 4.838 sec
4. TR\_prereg\_uploadpodocument -4.840 sec

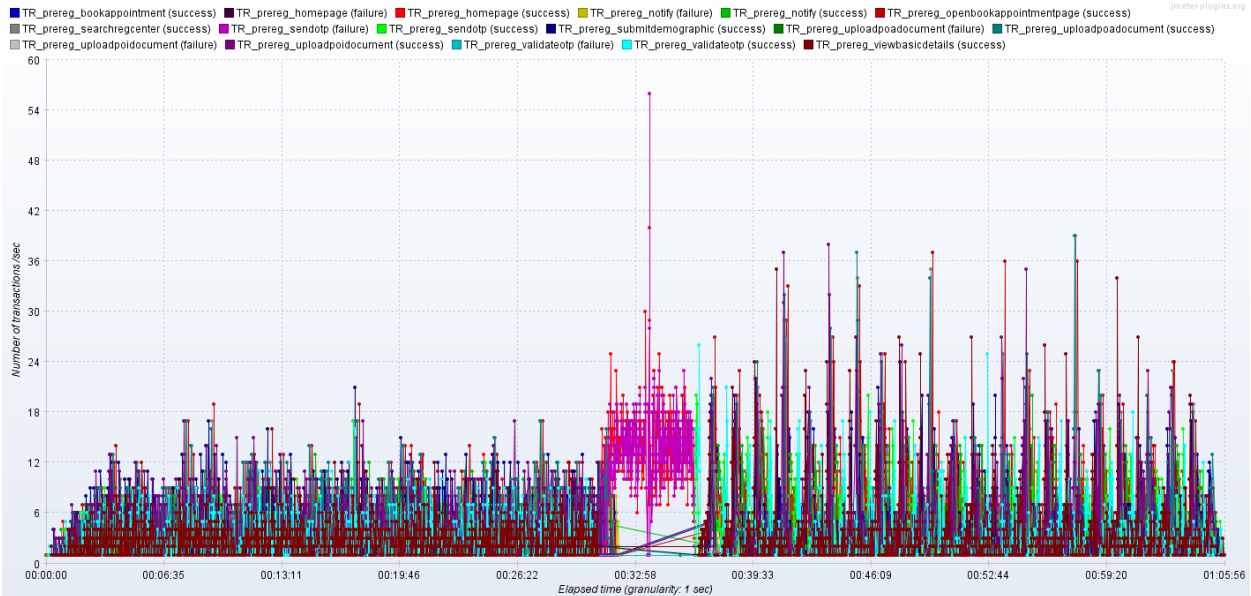


## Active threads vs response times over time:





## Transactions per second:



## Conclusion and Next Steps

We have raised the defects in jira for the issues found in performance test for application ,The slot availability batch job execution time for 3 months after design changes is very less compared to earlier design ,Since this batch job execution is successful will continue testing for 4 months ,5 months and 6 months.