

# **Performance Test Report**

## **For**

## **Execution of**

## **PreRegistration module – 300 users (preprod env)**

Date: 28 Aug 2019

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### **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 5-hour duration in preprod environment

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 to create volume of preregistrations in DB.

Below are the scenario details:

<b>Sprint/Report Name</b>	Booking appointments
<b>Run Date</b>	28-Aug-2019
<b>Period</b>	16:37 to 21:45 (UTC)
<b>Number of concurrent users</b>	300
<b>Ramp up</b>	4 min
<b>Run Duration</b>	5 hour
<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	61881	307	901	48	4235	0.00%	3.35012
TR_prereg_sendotp	61856	5.866	15868	107	43063	35.40%	3.34887
TR_prereg_validateotp	39946	2602	8145	118	37163	0.43%	2.16318
TR_prereg_viewbasicdetails	39751	421	641	97	12822	0.00%	2.1544
TR_prereg_submitdemographic	39744	3078	5658	43	42675	0.01%	2.1536
TR_prereg_uploadpoidocument	39729	25381	66700	57	175206	5.44%	2.15321
TR_prereg_uploadpoadocument	37521	22.409	66398	37	175279	6.43%	2.03223
TR_prereg_searchregcenter	35074	83	159	20	2588	0.01%	1.90191
TR_prereg_openbookappointmentpage	35043	2937	7493	123	42824	0.00%	1.90181
TR_prereg_bookappointment	35021	23.194	47301	283	86080	0.00%	1.90066
TR_prereg_notify	34974	2398	7338	85	180014	6.03%	1.89924
TR_prereglogout	32849	1883	5062	171	35038	0.00%	1.78383

## Performance Test Execution Details

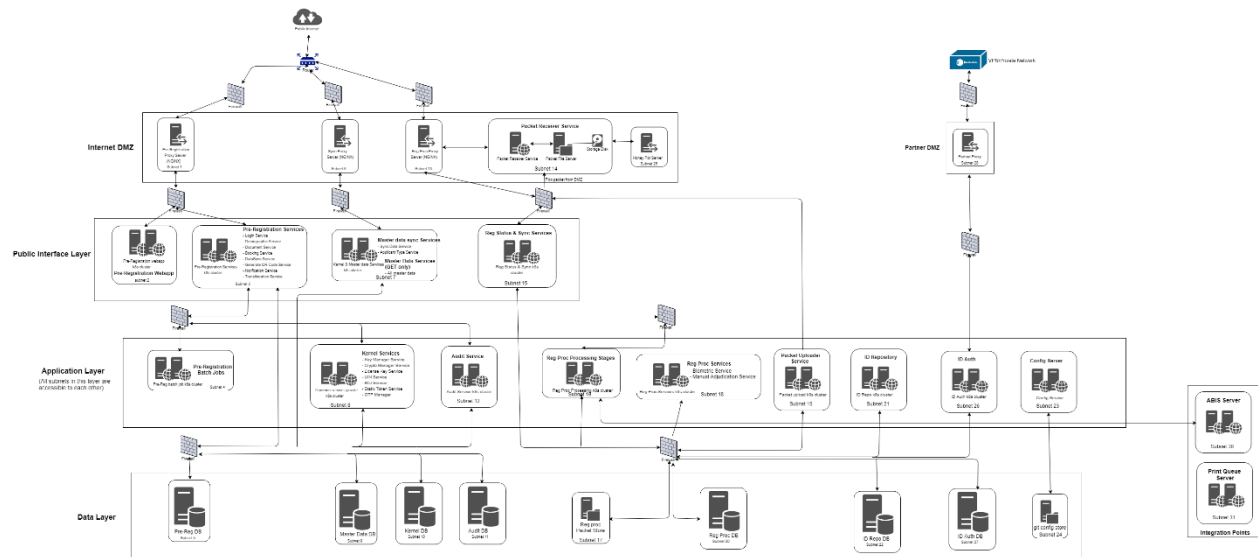
We have executed the booking appointment user flow, which has transactions mentioned in above table.

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

1. TR\_prereg\_sendotp - **5.866 sec**
2. TR\_prereg\_uploadpoidocument-**25.381 sec**
3. TR\_prereg\_uploadpoadocument-**22.409 sec**

## Test Environment :

Architecture is available below:



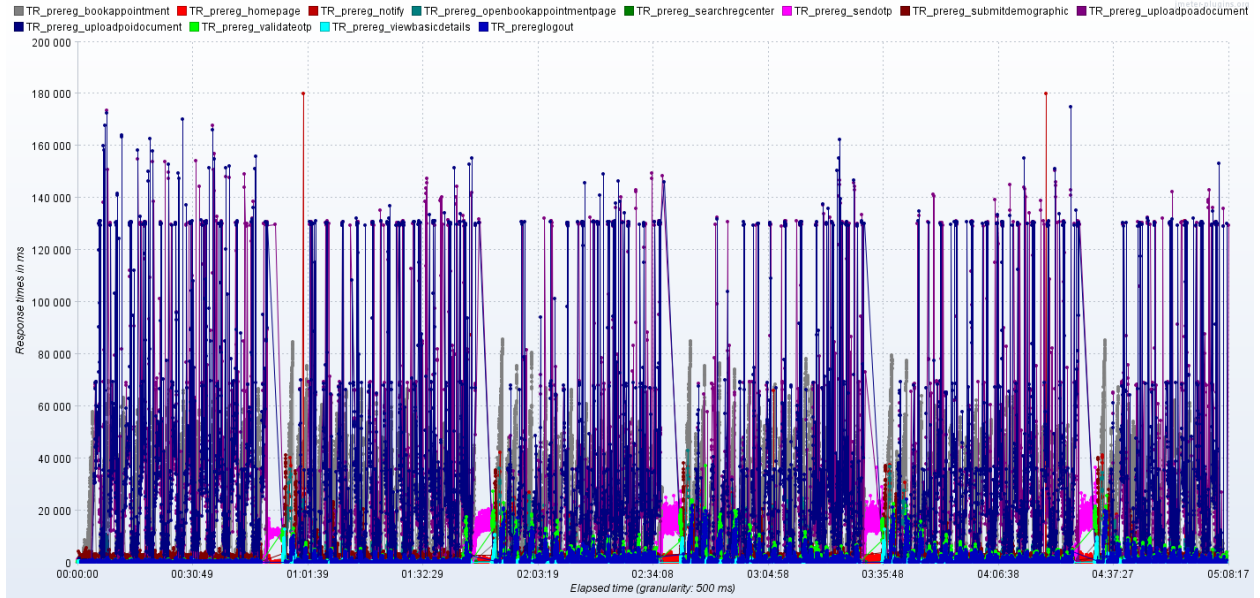
## Active threads over Time:



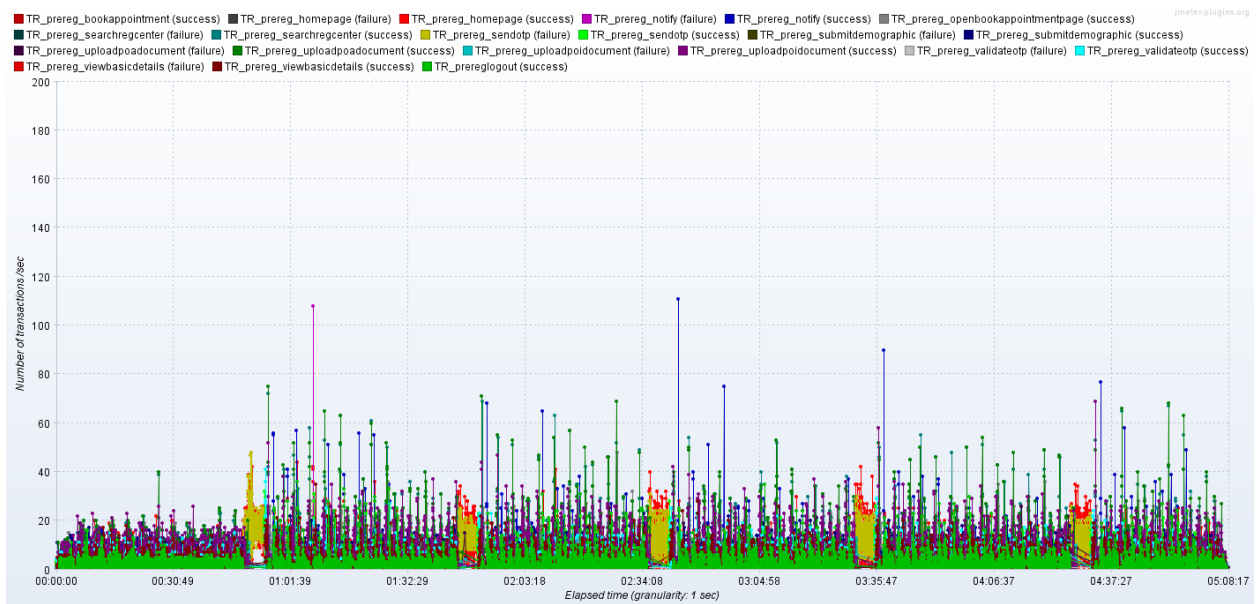
### Response Time Graph

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

1. TR\_prereg\_sendotp - 5.866 sec
2. TR\_prereg\_uploadpoidocument-25.381 sec
3. TR\_prereg\_uploadpoadocument-22.409 sec



## Transactions per second:



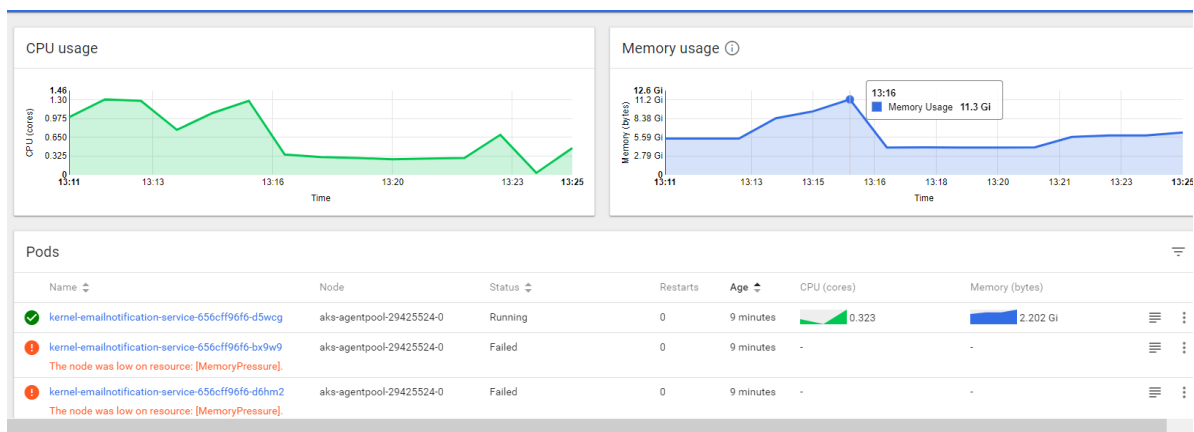
All key transactions error rate is less than 1% except below:

1. TR\_prereg\_sendotp - **35.40%**
2. TR\_prereg\_uploadpoidocument - **5.44%**
3. TR\_prereg\_uploadpoadocument - **6.43%**
4. TR\_prereg\_notify- **6.03%**

Below are the few error details:

#### Send otp request error details:

```
{
  "id": "mosip.pre-registration.login.sendotp",
  "version": "1.0",
  "responsetime": "2019-08-28T12:53:08.307Z",
  "response": null,
  "errors": [
    {
      "errorCode": "null",
      "message": "KER-ATH-501 --> 503 Service Temporarily Unavailable"
    }
  ]
}
```



Kernel email notification service pods failed due after few minutes of the run due to memory pressure suspecting memory leakage

#### Upload POI and POA document request error details:

```
{
  "id": "mosip.pre-registration.document.upload",
  "version": "1.0",
  "responsetime": "2019-08-28T13:57:41.649Z",
  "response": null,
  "errors": [
    {
      "errorCode": "PRG_CORE_REQ_017",
      "message": "Document type code is invalid"
    }
  ]
}
```

```
{
  "id": "mosip.pre-registration.document.upload",
  "version": "1.0",
  "responsetime": "2019-08-28T12:30:48.103Z",
  "response": null,
  "errors": [
    {
      "errorCode": "IIS_GEN_ANTIVIRUS_SERVICE_NOT_ACCESSIBLE",
      "message": "The anti virus service is not accessible"
    }
  ]
}
```

**Notification error details:**

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

**Validate OTP:**

```
{"id":"mosip.pre-registration.login.useridotp","version":"1.0","responsetime":"2019-08-28T15:57:06.979Z","response":null,"errors":[{"errorCode":"PRG_PAM_CORE_001","message":"Request id is invalid"}]}
```

## **Conclusion and Next Steps**

This execution main purpose to create volume of test data creations for preregistrations, During this we identified above errors and defects are raised for issues observed , Following up with issues and continuing executions to create volume of test data creations until we create 2 lac preregistrations in preprod environment.