Performance Test Report for Execution of Consumed Batch Job for 80% consumed status

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Summary

This report presents the observations and findings of the Consumed batch job execution in which 24000 consumed status (80% of the peak enrollments and 20% cancelled appointments as per the workload model document peak enrollments is 30000) with existing volume of 8 lac volume enrollments in DB

The objective of this batch job execution was to observe and record the behavior of the batch job for consuming the 24000 consumed status appointments.

# Below are the scenario details:

Batch job execution Name:

Consumed batch job execution in which 24000 consumed status (80% of the peak enrollments and 20% cancelled appointments as per the workload model document peak enrollments is 30000)

Steps:

1. Creating Pre Registrations test data of 24,000 with booked status (which is 90% of peak enrollments per day) using Jmeter tool
2. Execution of calling data sync API script with 24,000 Pre RegIds input data and each time 50 preRegIds will sent for processing
3. Once all the 24000 Pre-Regids passed without any errors and execute the consumed batch job
4. Calculate the batch job execution time
5. Checking the functionality of batch job
6. Consumed batch job status is "C**ompleted**" without any errors after developers fixed the defect https://mosipid.atlassian.net/browse/MOS-25723

Test Environment (scale down similar to below architecture)
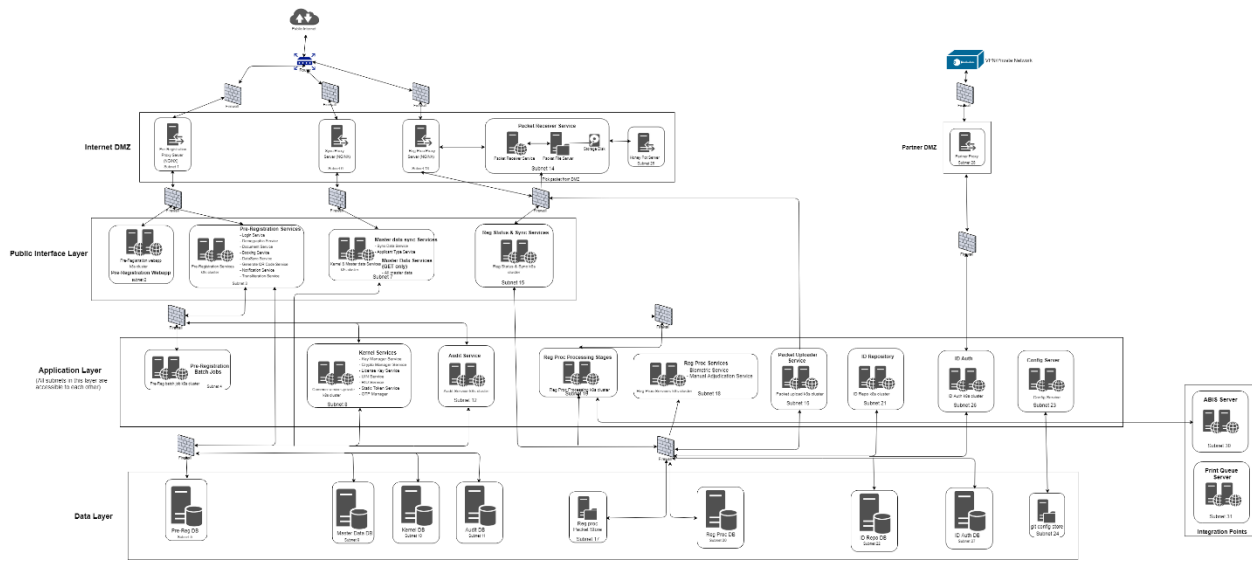
Before running expiry batch job below are the details:

- Total number of Booked appointments = 729386
- Total number of consumed appointments in db = 69100
- Total number booking appointments changed status from "booked" to "consumed" = 93100(69100+24000 (80% of 30000 enrollments)) –by running sync rest call
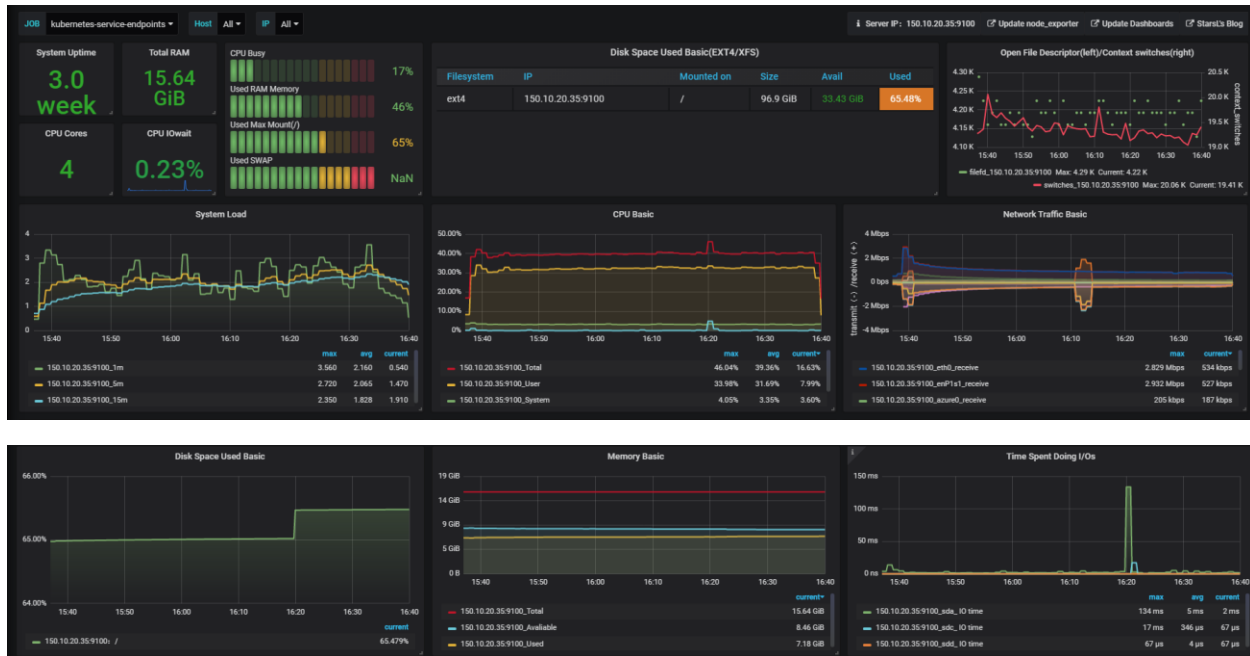
Batch job execution status:

instance_id	Create_Time	Start_Time	End_Time	Execution Time	Status	Exit code
970	2019-11-26 15:38:11.057	2019-11-26 15:38:11.069	2019-11-26 16:38:45.732	01:00:05	COMPLETED	COMPLETED

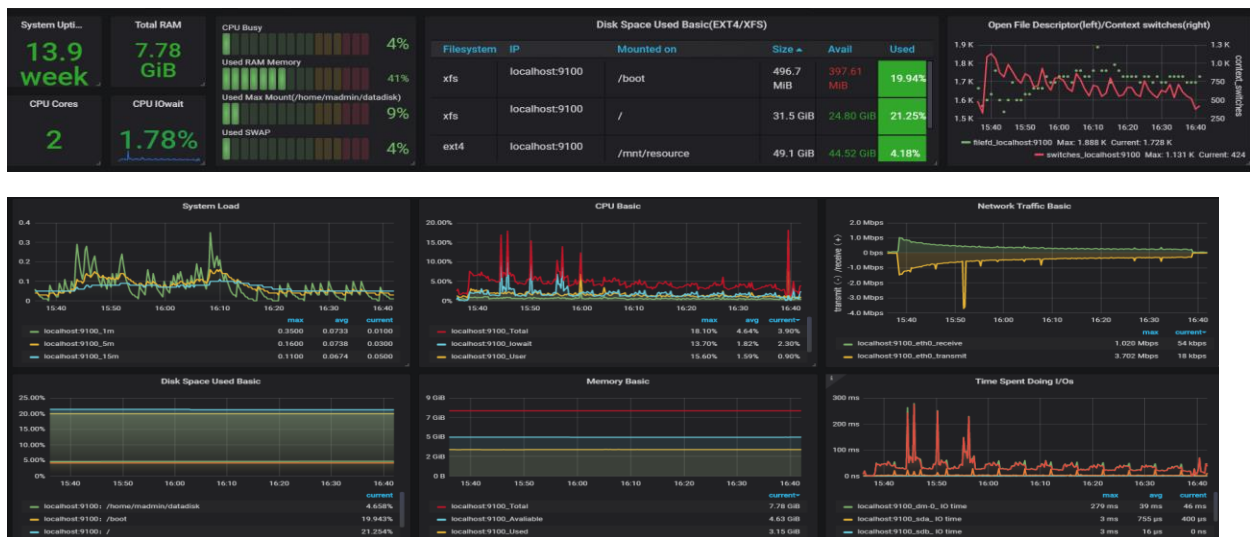*consumed batch executed for 01 hr 5 sec time to consume 24000 prids*

Cluster level node monitoring:

Max Total CPU utilization is 46.04% , No major findings for cluster node utilization

Prereg DB level node monitoring:

Max CPU utilization was 18.10% ,No major findings for DB node utilization

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After running consumed batch job execution:

- ➢ Total number of Booked appointments =705386 (24K are moved to consumed)
- ➢ Total number of records in the prereg.reg_appointment_consumed table =93100

Conclusion and Next Steps:

Consumed batch job has taken ==01:00:05 sec== to complete execution with 1 month preregistrations in DB and consumed appointments are matching as per the scenario (24K prids).So we have completed testing batch jobs as per performance testing approach with 80% consumed status and 20% failed appointments. *We need confirmation from the stake holders whether batch execution time is in acceptable or not ?*

Next run we will test with 90% consumed appointments and check on batch execution time