Mindtree

Performance Test Report for Execution of Consumed Batch Job for 70% consumed status

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Author: Anand Babaleshwar

Summary

This report presents the observations and findings of the Consumed batch job execution in which 21000 consumed status (70% of the peak enrollments and 30% 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 21000 consumed status appointments.

Below are the scenario details:

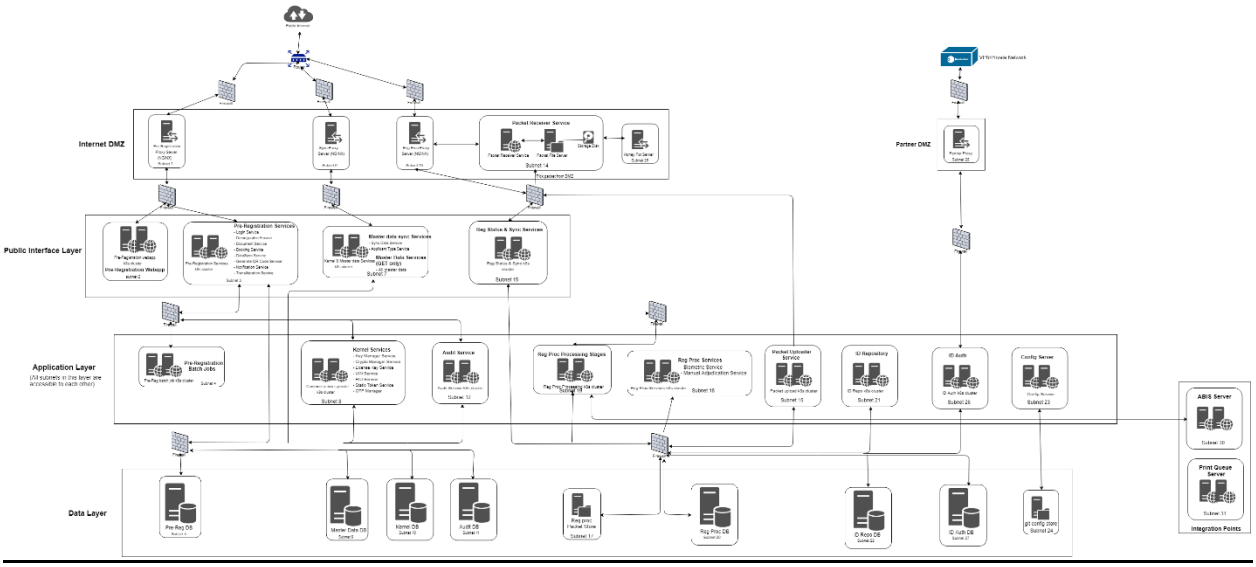
Batch job execution Name:

Consumed batch job execution in which 21000 consumed status (70% of the peak enrollments and 30% cancelled appointments as per the workload model document peak enrollments is 30000)

Steps:

1. Creating Pre Registrations test data of 21,000 with booked status (which is 70% of peak enrollments per day) using Jmeter tool
2. Execution of calling data sync API script with 21,000 Pre RegIds input data and each time 50 preRegIds will sent for processing
3. Once all the 21000 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:

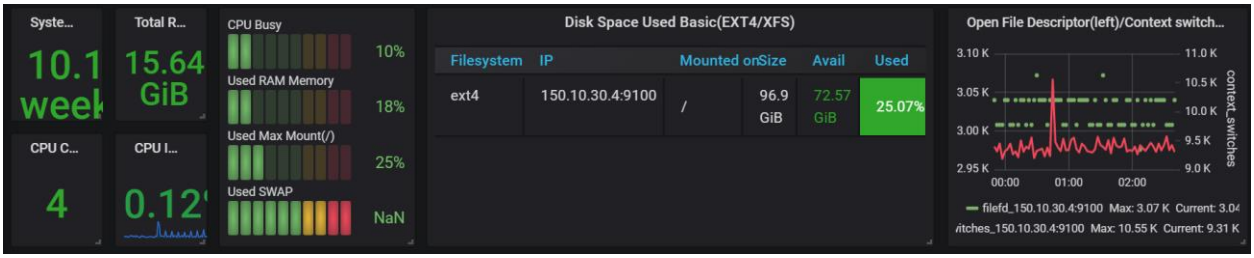
- Total number of Booked appointments =800000
- Total number booking appointments changed status from "booked" to "consumed" = 21000(70% of 30000 enrollments) –by running sync rest call

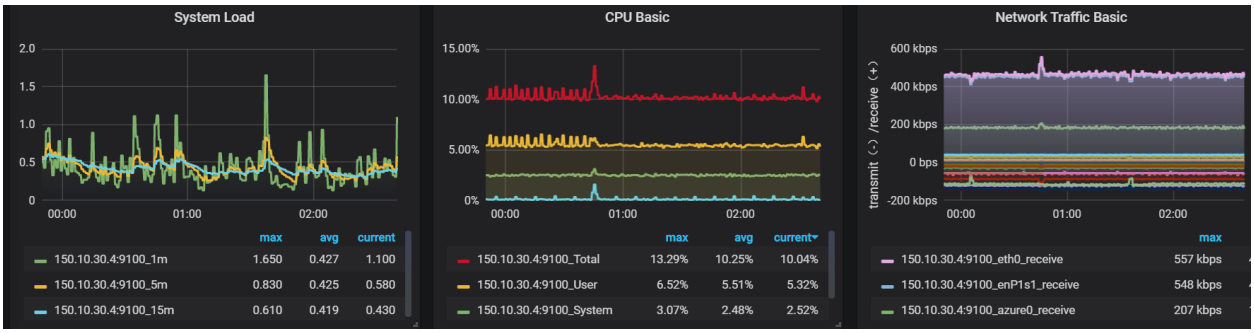
Batch job execution status:

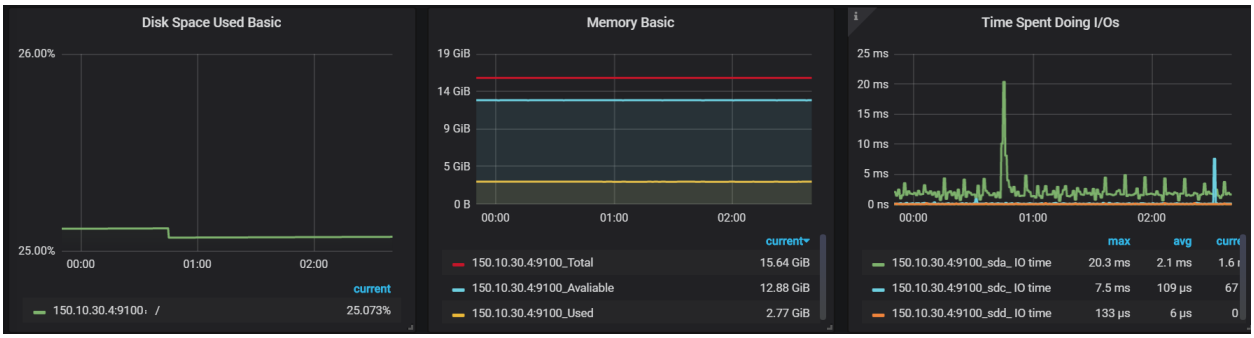
instance_id	Create_Time	Start_Time	End_Time	Execution Time	Status	Exit code
940	2019-11-26 00:00:00.405	2019-11-26 00:00:00.413	2019-11-26 02:19:59.916	02:20:00	COMPLETED	COMPLETED

02:20:00 time has taken to consume 21,000 pre-regIds

Node utilizations(cluster level):







Preregistration DB utilization:

After running consumed batch job execution:

- Total number of Booked appointments =779000 (21K are moved to consumed)
- Total number of records in the prereg.reg_appointment_consumed table =21000

Conclusion and Next Steps:

Expiry batch job this scenario taken **02:20:00 sec** to complete execution with 1 month preregistrations in DB and consumed appointments are matching as per the scenario,

So we have completed testing batch jobs as per performance testing approach with 70% consumed status and 30% failed appointments. ***We need confirmation from the stake holders whether batch execution time is in acceptable or not ?***

We need to test with 80% and 90% consumed appointments.