Mindtree

Performance Test Report for Execution of Expiring Batch Job with 20% of Peak enrollments per day

Date: 27th Nov 2019

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Summary

This report presents the observations and findings of the Expiry batch job execution in which Expiring 4160 enrollments (i.e. 20% of Peak enrollments per day as per workload modelling document is 20800 and 2600/hour)

The objective of this batch job execution was to observe and record the behavior of the batch job for expiring the 4160 booked appointments with existing expired data

Below are the scenario details:

Batch job execution Name:

Expiring 4160 enrollments (i.e.20% of Peak enrollments per day in workload modelling document is 20800 and 2600/hour)

Steps:

1) Create book appoints test data of 20800 (which is per day enrollments)

2) 20% of the booked appointments (20800) are expired is 4160

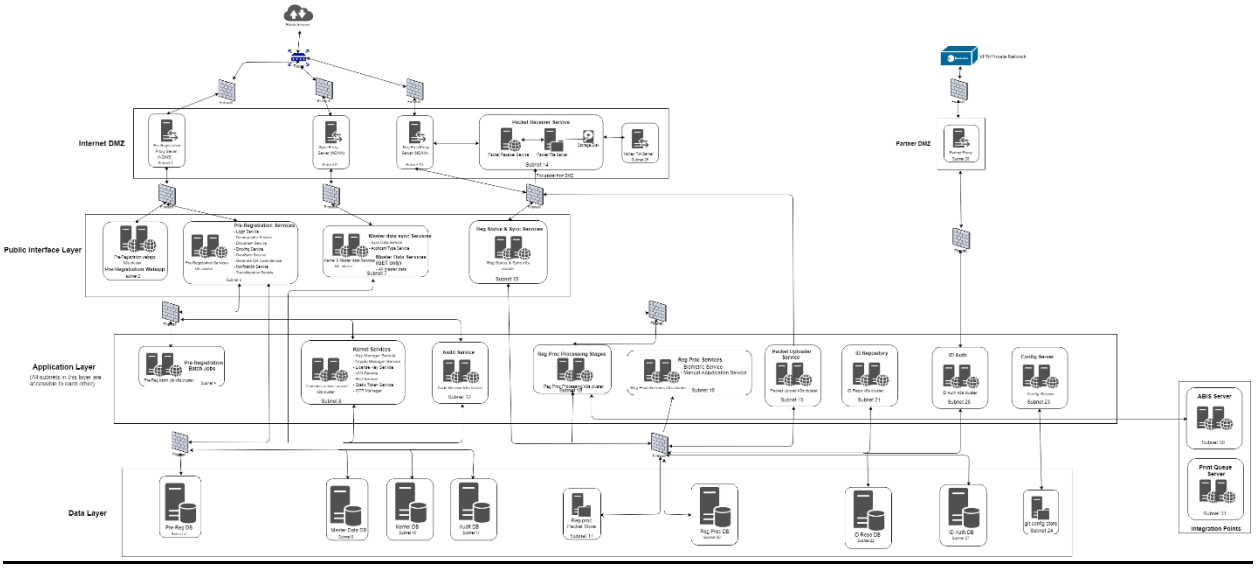
3) Run the expiry batch job

4) Calculate the batch job execution time

5) Checking the functionality of batch job

6) Raising a Jira ticket for functionality issues of batch job if any

Test Environment (scaled down of below proposed architecture)



Before running expiry batch job below are the details:

- Total number of Booked appointments =702386
- Total number of records already present with yesterday date =11643
- Total number of records which changed to yesterday's date (26th nov) =4160 (20% of Peak booked appointments)
- Total number of expired appointments currently in DB =31051

Batch job execution status:

instance_id	Create_Time	Start_Time	End_Time	Execution Time	Status
980	2019-11-27 09:49:05.396	2019-11-27 09:49:05.408	2019-11-27 09:49:32.312	00:00:27	COMPLETED

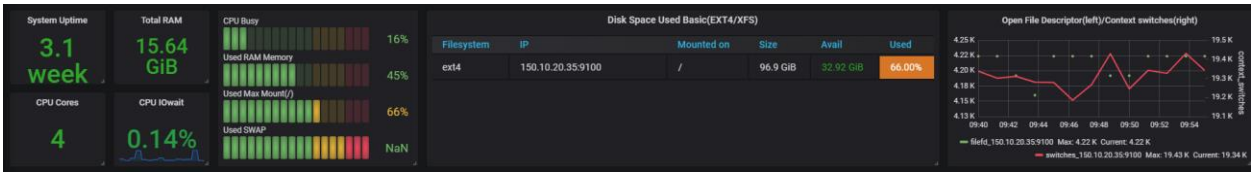
** Batch job completed without errors and it has expired 4160 preg ids in 27 sec*

After running expiry batch job execution:

- Total number of Booked appointments = 702386
- Total number of records which changed to yesterday's date (27th Nov) i.e. Total number of expired appointments in DB =4160
- Total number of expired appointments currently in DB=35211(31051+4160)

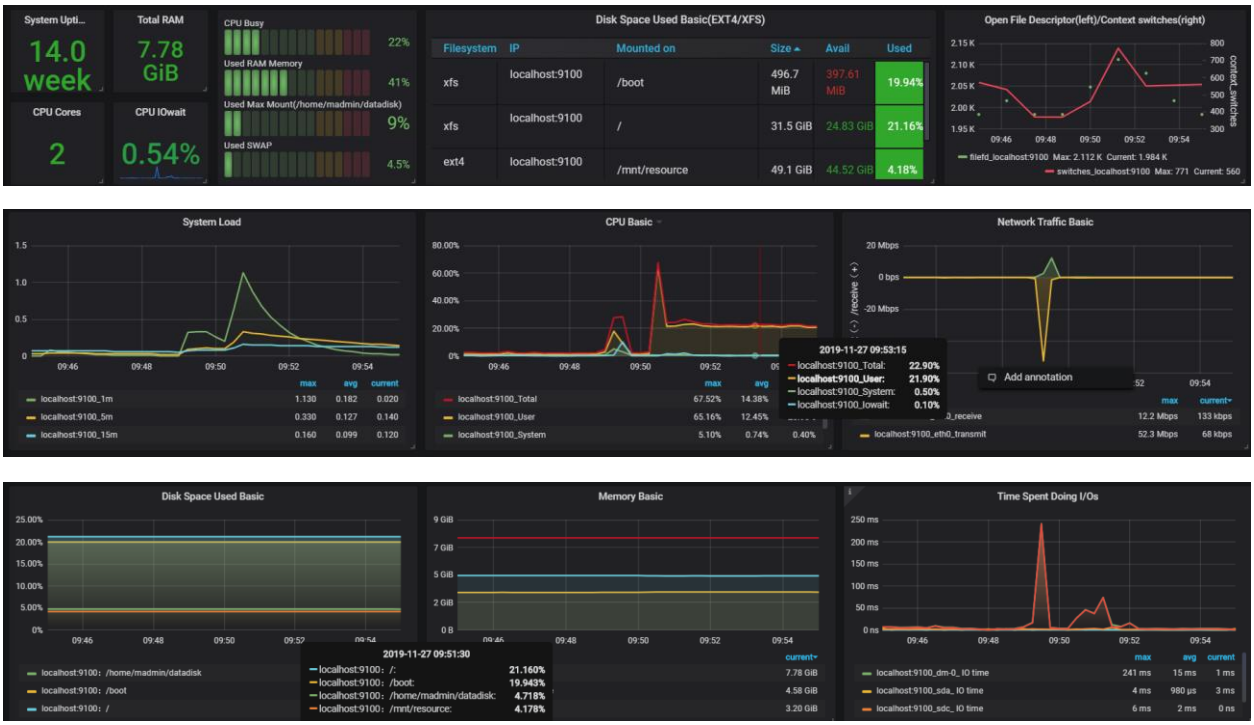
Cluster level node monitoring:

Max Total CPU utilization is 17.25% , No major findings for cluster node utilization



DB level node monitoring:

Max Total CPU utilization is 67.52% , No major findings for cluster node utilization



Conclusion and Next Steps

Expiry batch job executed successfully without any errors after defect https://mosipid.atlassian.net/browse/MOS-29675 fixed and execution time is 27 sec and

it has expired 4160 pre-reg ids

As next step I will execute the expiry batch job for 30% of Peak enrollments per day as per workload modelling document is 20800.