Mindtree

Performance Test Report for Execution of Expiring Batch Job with 10% of Peak enrollments per day

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Summary

This report presents the observations and findings of the Expiry batch job execution in which Expiring 2080 enrollments (i.e. 10% 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 2080 booked appointments with existing expired data

Below are the scenario details:

Batch job execution Name:

Expiring 2080 enrollments (i.e.10% 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) 10% of the booked appointments (20800) are expired is 2080

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

	Common proxy server (NGINX)	(Kubernets cluster) apache Tomcat 8.5.31	DB Postgress SQL 10.2
Number Of nodes	1	4	1
RAM	4 GB	112 GB	16GB
PROCESSOR	2 cores	16 core	4 cores

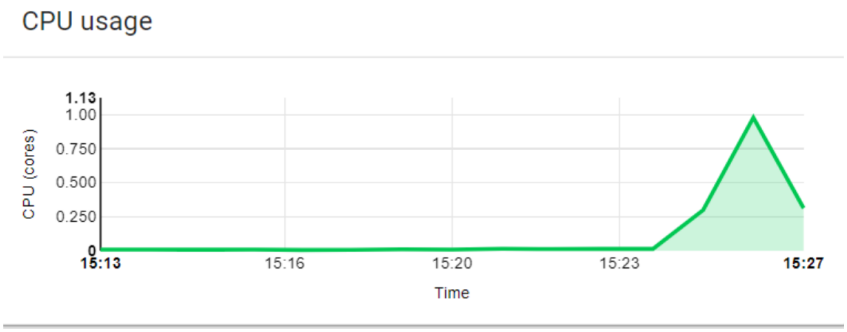
Before running expiry batch job below are the details:

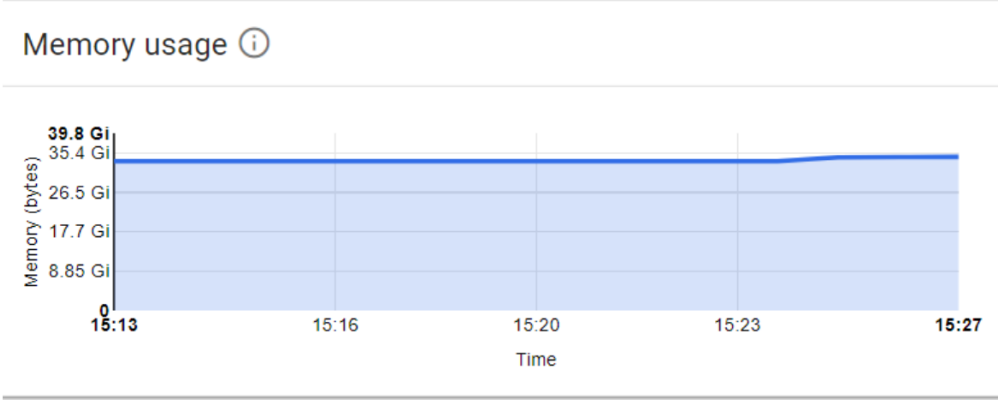
- Total number of Booked appointments =20800
- Total number of records which changed to yesterday's date (10th June) =2080 (10% of Peak booked appointments)
- Total number of expired appointments currently in DB =6360

Batch job execution status:

instance_id	Create_Time	Start_Time	End_Time	Execution Time	Status
1094	2019-06-11 09:55:08.302	2019-06-11 09:55:08.312	2019-06-11 09:56:20.991	00:01:13	COMPLETED

CPU and memory utilization





After running expiry batch job execution:

- Total number of Booked appointments =20800
- Total number of records which changed to yesterday's date (10th June) i.e. Total number of expired appointments in DB =2080
- Total number of expired appointments currently in DB =8440(6360+2080)

Conclusion and Next Steps

Expiry batch job this scenario taken **01:13** min to complete execution and expired appointments are matching as per the scenario ,so we execute this batch by keeping this scale data in Db means without clearing DB and we will validate for other scenarios like 20% and 30% of peak enrollments per day as per workload modelling document.