Performance Test Report For Execution of Expiring Batch Job with 30% 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 6240 enrollments (30% 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 6240 booked appointments

Below are the scenario details:

Batch job execution Name:

Expiring 6240 (30% of Peak enrollments per day as per workload modelling is 20800 and 2600/hour)

Steps:

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

2) 30% of the booked appointments (20800) are expired is 6240

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 (Using Jmeter script we have created Pre enrollments)

Total number of records which changed to yesterday's date (09th June) =6240 (30% of Peak booked appointments per day)

Total number of expired appointments in DB =112

Batch job execution status:

instance_id	Create_Time	Start_Time	End_Time	Execution Time	Status
1085	11:10:37.367	11:10:37.378	11:12:45.415	00:02:08	COMPLETED

After running expiry batch job execution:

Total number of Booked appointments =20800

Total number of records which changed to yesterday's date (09th June) =6240 (30% of Peak booked appointments per day)

Total number of expired appointments in DB =6352 (6240+112)

Conclusion and Next Steps

Expiry batch job this scenario taken <mark>02:08</mark> min to complete execution and expired appointments are matching as per the scenario ,so we execute this batch by keeping this scale data in database means without clearing database and we will validate for other scenarios like 10%,20% and 30% of peak enrollments per day.