Mindtree

Performance Test Report

For

Execution of

Masterdata templates – 1200 users

Date: 22 April 2020

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Summary

This report presents the observations and findings of the load test conducted for a load of 1200 users on masterdata templates API.

The objective of this load test was to observe and record behavior of the application when user load is increased from 500 to 1200.

Below are the scenario details:

Script/Report Name	Masterdata templates API
Run Date	22-April-2020
Period	04:40:12 UTC to 06:12:56 UTC
Number of concurrent users	500 to 1200
Ramp up	01 users per second
Run Duration	---
Ramp down	NA

The transaction response times observed were as below:

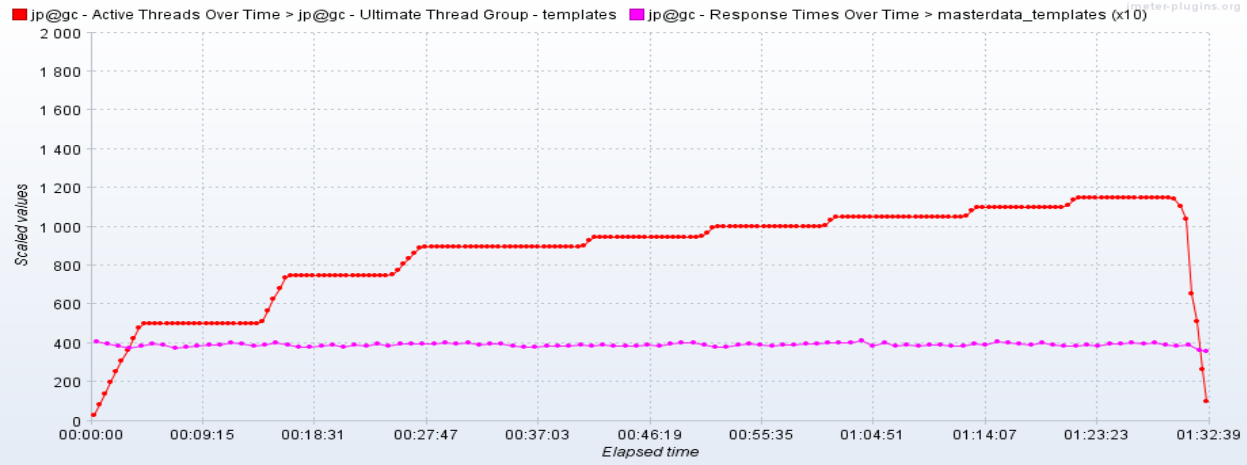
Label	# Samples	Average(ms)	90% Line(ms)	Min(ms)	Max(ms)	Error %	Throughput
TOTAL	559938	39	57	21	1064	0.00%	100.7

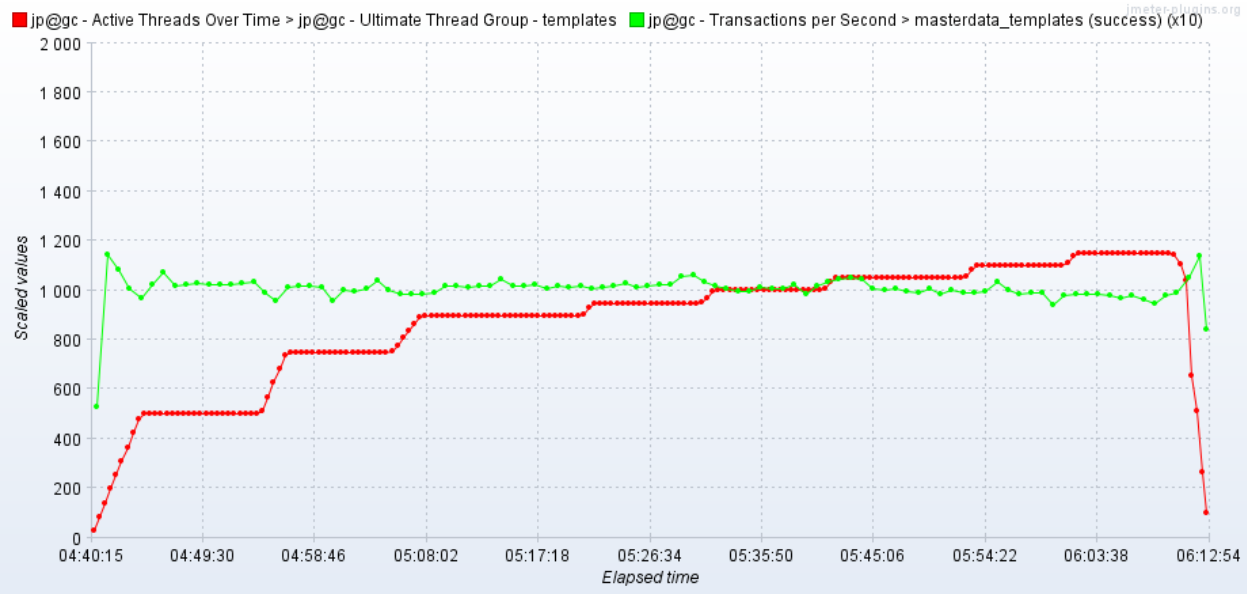
Performance Test Execution Details

We have executed JMeter script for kernel templates service, which has transactions mentioned in the above table.

Average response time of the APIs is 39 ms with error rate 0 %.

Response Time and TPS Graph:





As seen in the graph, response time of the APIs is approx 40.0 ms when 500 users are active, then response time stays at almost same level. Throughput (TPS) of the APIs approxes 100 when 500 users are active and stays almost at same level with increasing user load.

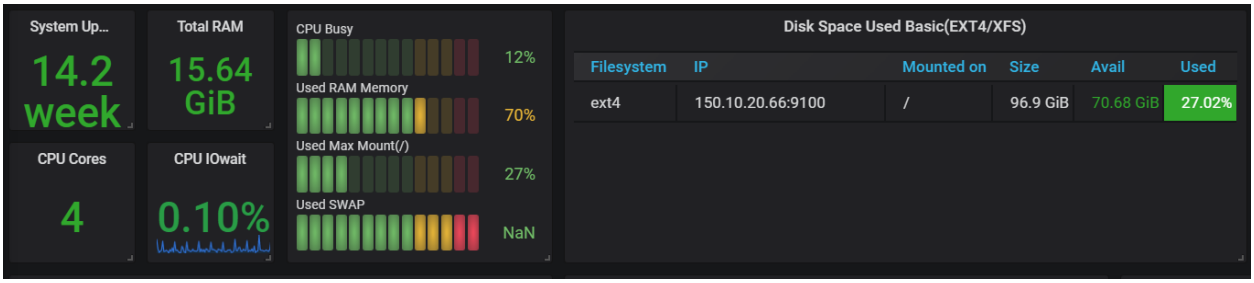
Resource Usage Pattern:

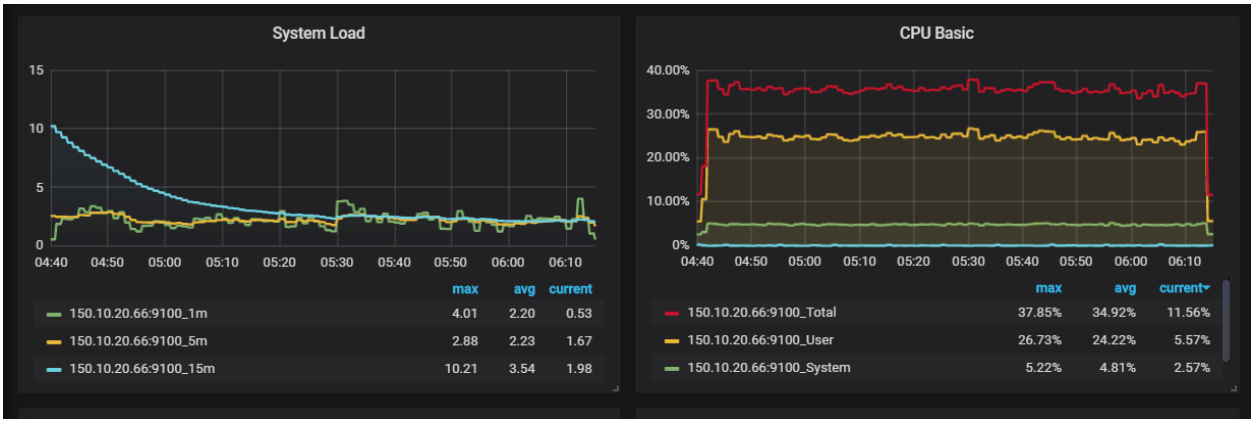
Masterdata Service cluster resource usage:

Average system load – 2.0 (4 cores)

Average CPU usage – 34.92 %

Memory used – 10.94 GB / 15.64 GB





Master DB resource usage:

Average system load – 0.03

Average CPU usage – 2.44 %

Memory used – 720 MB / 3.84 GB