Mindtree

Performance Test Report

For

Execution of

Masterdata applicanttype – 1000 users

Date: 24 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 applicanttype API.

The objective of this load test was to observe and record behavior of the application when user load is increased from 250 to 1000.

Below are the scenario details:

Script/Report Name	Masterdata applicanttype API
Run Date	24-April-2020
Period	05:37:36 UTC to 07:31:56 UTC
Number of concurrent users	250 to 1000
Ramp up	01 users per second
Run Duration	---
Ramp down	NA

The transaction response times observed were as below:

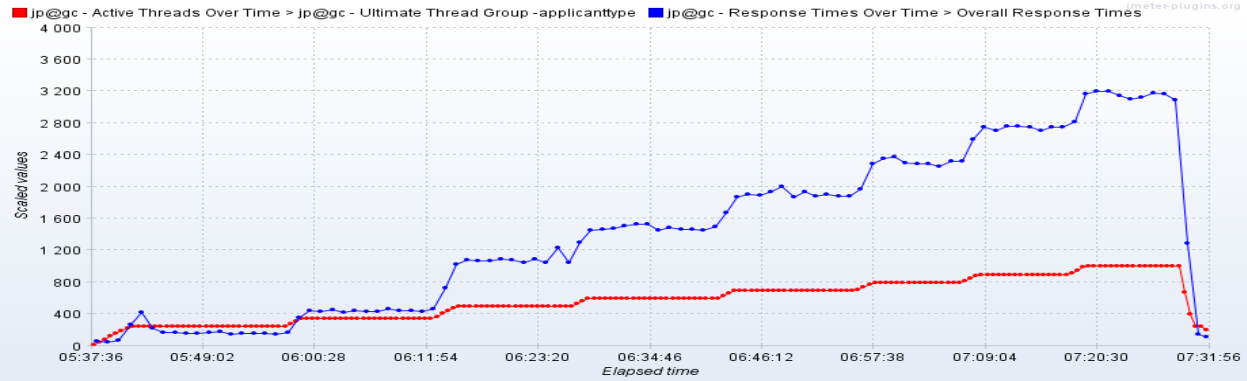
Label	# Samples	Average(ms)	90% Line(ms)	Min(ms)	Max(ms)	Error %	Throughput
TR_masterdata_ applicanttype	1586784	1491	2967	10	7644	0.01%	231.4

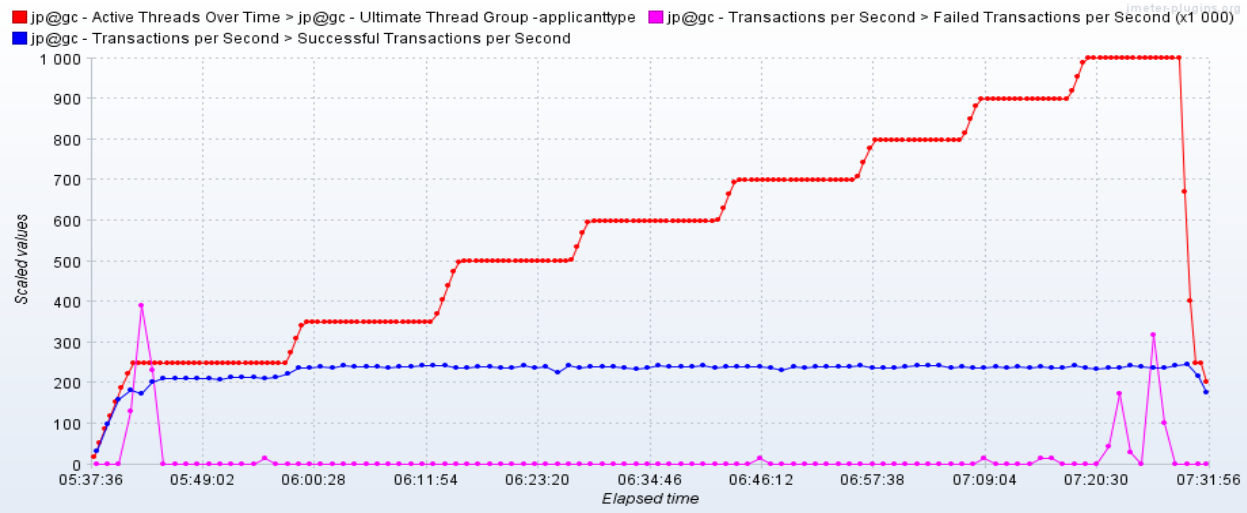
Performance Test Execution Details

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

Average response time of the APIs is 1491 ms with error rate ~0 %.

Response Time and TPS Graph:





As seen in the graph, response time of the APIs is approx 200.0 ms when 250 users are active, then response time increases with increase in number of users.

Response time reaches 3200 ms when 1000 users are active.

Throughput (TPS) of the APIs approxes 240 when 350 users are active and stays almost at same level with increasing user load.

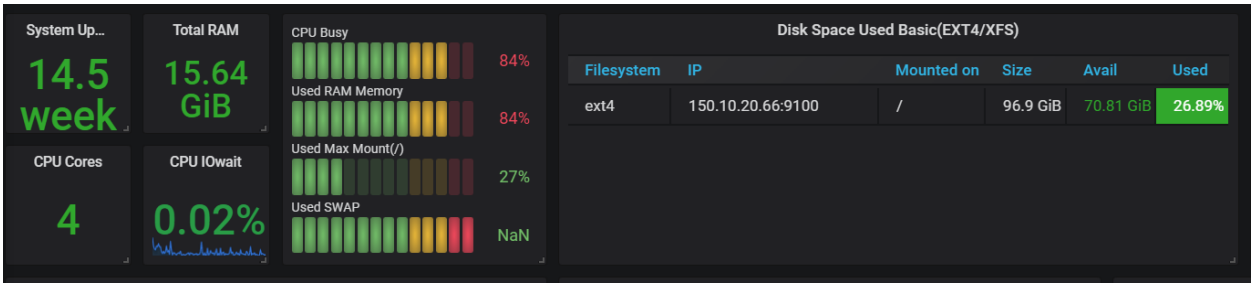
Resource Usage Pattern:

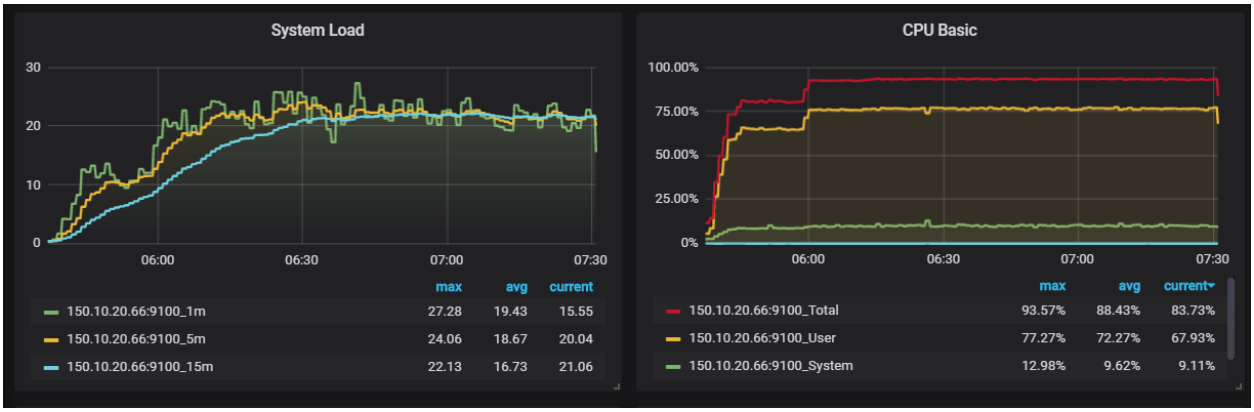
Masterdata Service cluster resource usage:

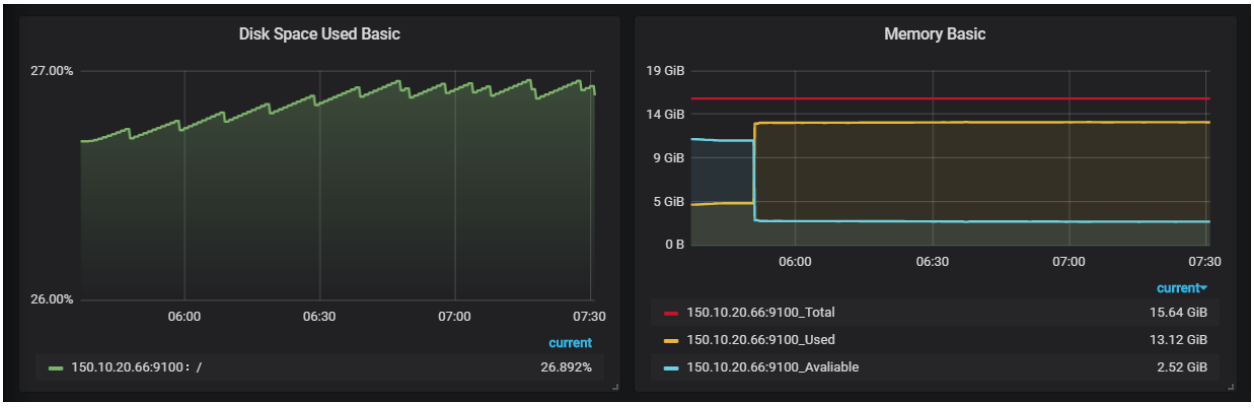
Average system load – 19.43 (4 cores) reaches approx. 20 when 350 users arrive

Average CPU usage – 75 % Reaches when 350 users arrive and stays at same level, TPS also remains same level after that.

Memory used – 13.09 GB / 15.64 GB







Master DB resource usage:

Average system load – 0.065

Average CPU usage – 4.63 %

Memory used – 950 MB / 3.84 GB