Mindtree

Performance Test Report

For

Execution of

ID-Auth (Demographic) – 40 users

Date: 24 June 2020

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Summary

This report presents the observations and findings of the load test conducted for a load of 40 users on IDAuthentication demographic (address based) authentication API.

The objective of this load test was to observe and record behavior of the application when user load is kept at 40.

Two other tests were executed for 25 users and 50 users where throughput was below the once achieved in this test. *Three replica of id-authentication service and Two replicas of audit-service were set up during the test.*

Below are the scenario details:

Script/Report Name	ID Authentication demographic
Run Date	24-June-2020
Period	05:47:49 UTC to 06:48:49 UTC
Number of concurrent users	40
Ramp up	01 user per second
Run Duration	---
Ramp down	NA

The transaction response times observed were as below:

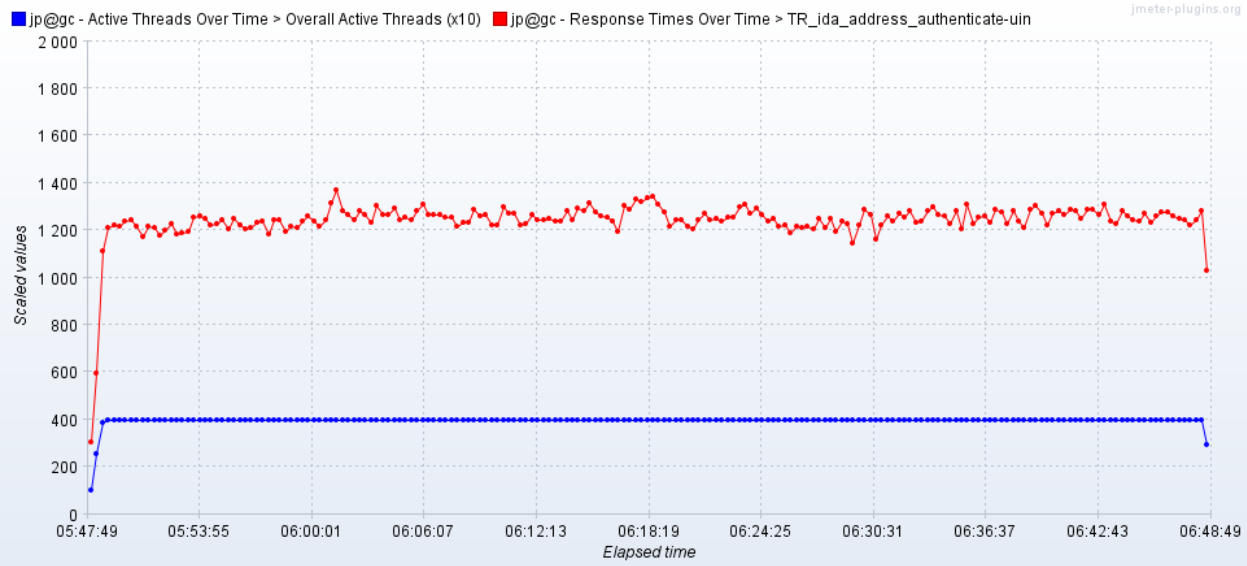
Label	# Samples	Average(ms)	90% Line(ms)	Min(ms)	Max(ms)	Error %	Throughput
TR_ida_address_ authenticate-uin	63651	1281	1874	35	3385	0.11%	17.4/sec

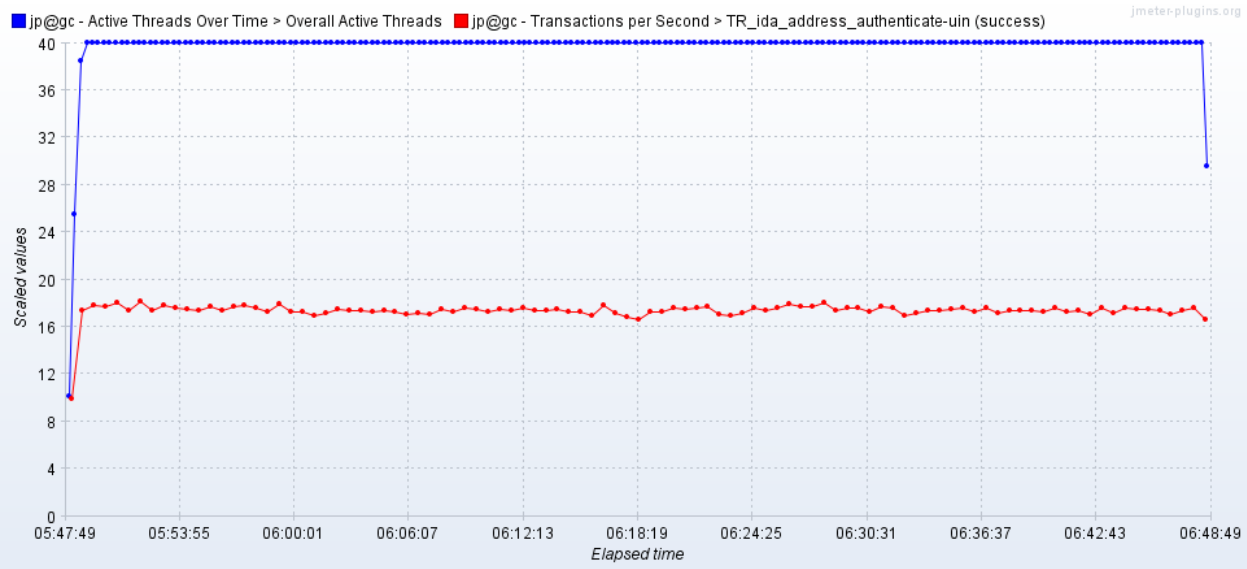
Performance Test Execution Details

We have executed JMeter script for IdAuthentication demographic authentication, which has transactions mentioned in the above table.

Average response time of the APIs is 1.3 sec with error rate approx.

Response Time and TPS Graph:





As seen in the response time graph, response time of the API remains constant at around 1.2 seconds. Throughput of the API remains uniform at around 18 per second.

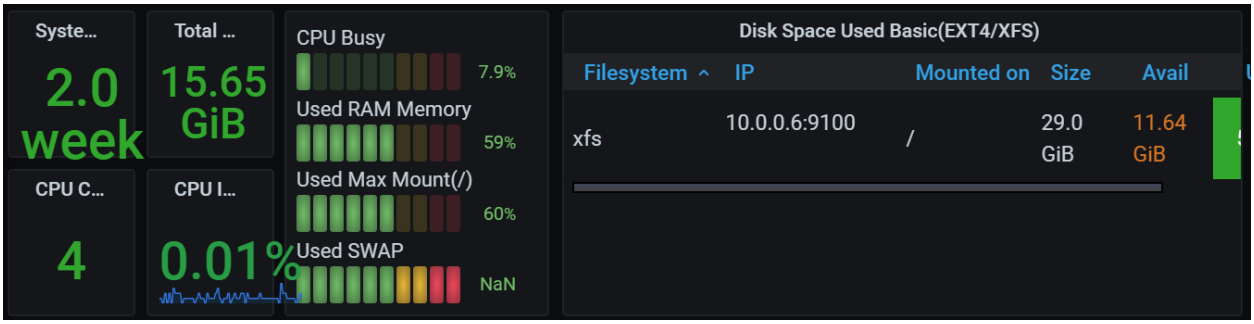
Resource Usage:

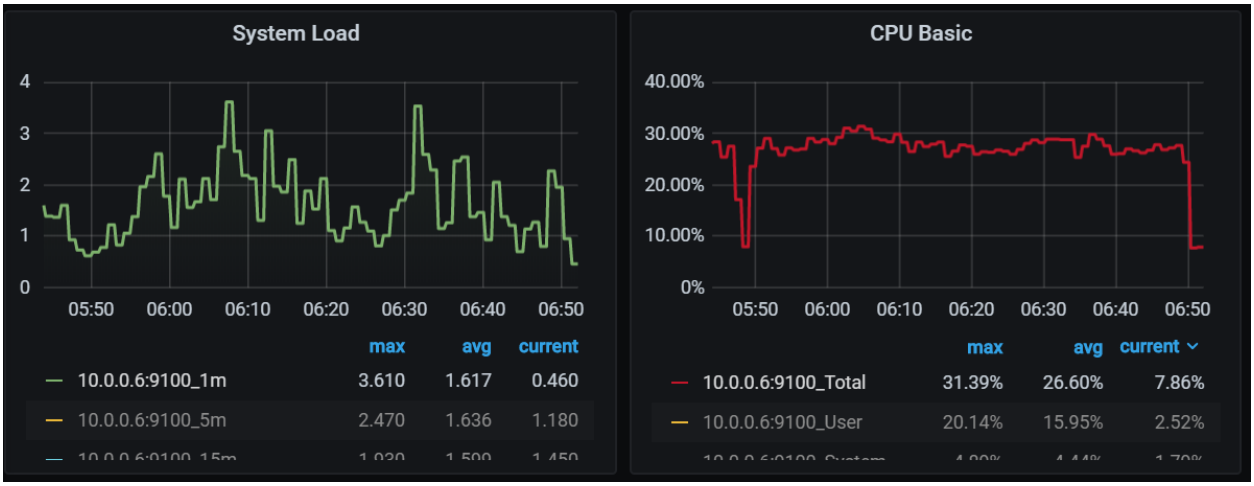
Three replica of the id-authentication service are spawned on mzworker0, mzworker6 and mzworker8.

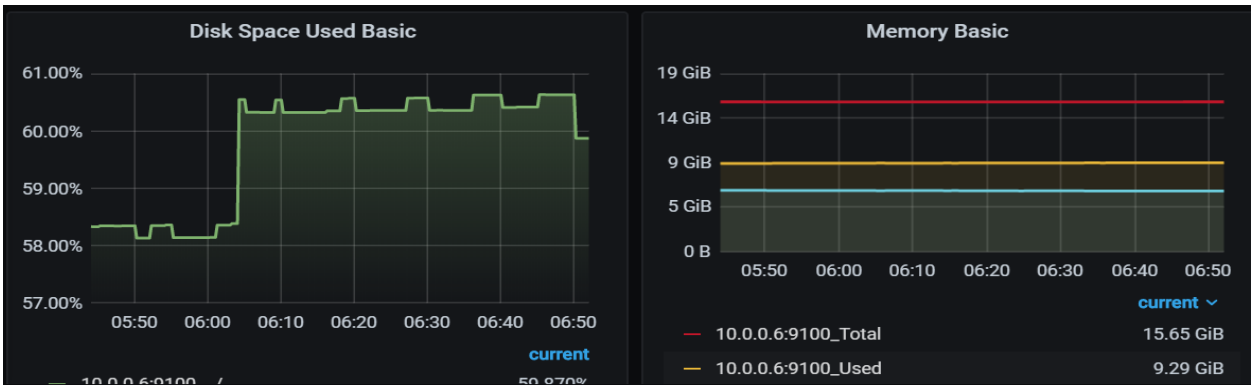
mzworker0:

System load : 1.6

CPU usage: 26%



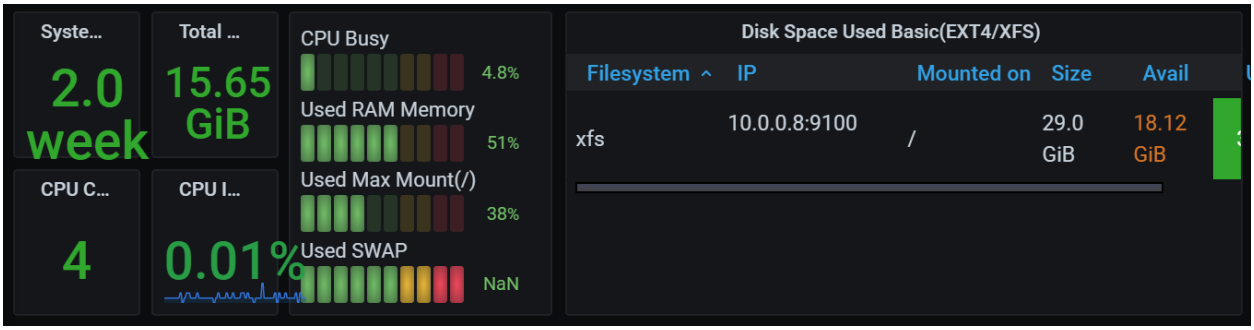


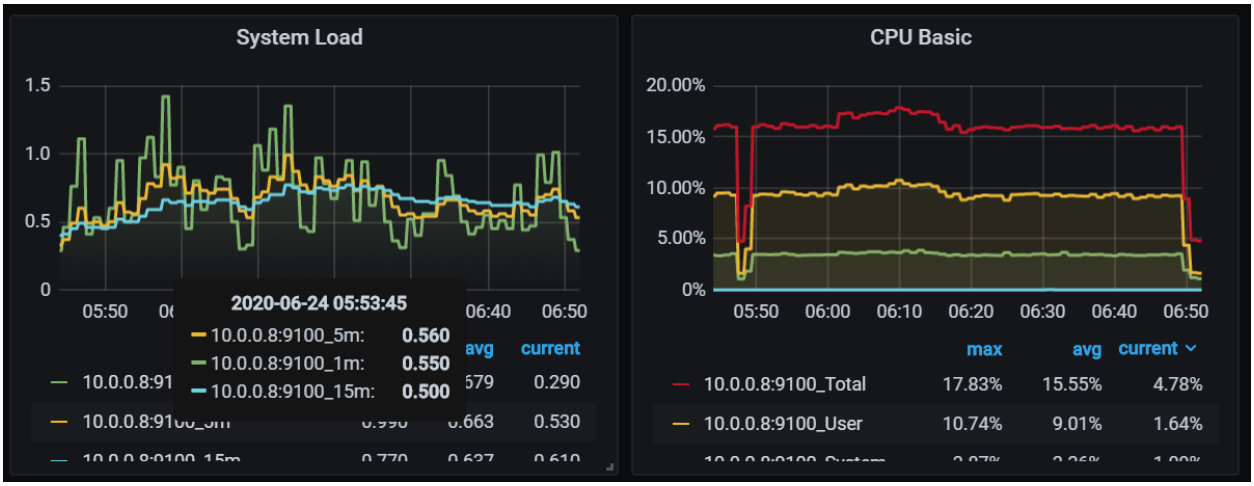


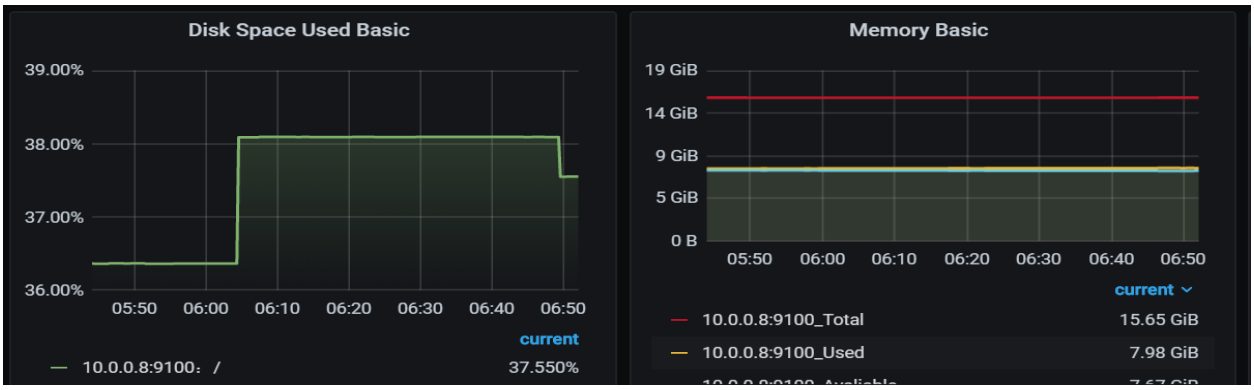
Mzworker6:

System load : 0.6

CPU usage: 15%







Mzworker8:

System load : 0.9

CPU usage: 18%