Product metrics - Audit API Logs Sink Service Load Testing

Application - audit-api-logs-gcs-sink

Git Repo - https://gecgithub01.walmart.com/dsi-dataventures-luminate/audit-api-logs-gcs-sink

Description - Kafka connect as a service for pushing data from Kafka topic to GCS.

Background - As requirement of product metrics this application was created. More info on this can be found in this link API Logs for Product Metrics - ADT

Present NRTI API requests analysis

Description	Count
Requests in a week	~20M
Requests in a day	~3M
Data of request in a week	~60 GB
Data of request in a day	~10 GB

Load testing on upstream system to observe the message consumption and storage to GCS Sink

Load test was run for 30 VUs and 50 VUs over a period of 10 mins. We see close to ~ 1M API requests being handled by the service with 0 failure count. GCS Sink was able to consume all the message and put the same over the GCS bucket.

1. 30 VUs - http://automaton.walmart.net/livereportspage?projectName=audit-api-logs-srv&jobId=9701b04f-405c-45b2-8711-e4b925342e2a
2. 50 VUs - http://automaton.walmart.net/livereportspage?projectName=audit-api-logs-srv&jobId=5517f22b-a5a6-40c8-a6d0-6af742fdefd9

Description	Count
Requests published per sec	~1.9k
Requests consumed per sec	~4k
Published requests size per sec	~2 MB
Consumed requests size per sec	~4 MB

E2E Testing link - Product Metrics E2E testing