Microservices Advanced Session 2- Assignment

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Source Code: https://github.com/AnkitaKhurana/Microservices_Advanced_2

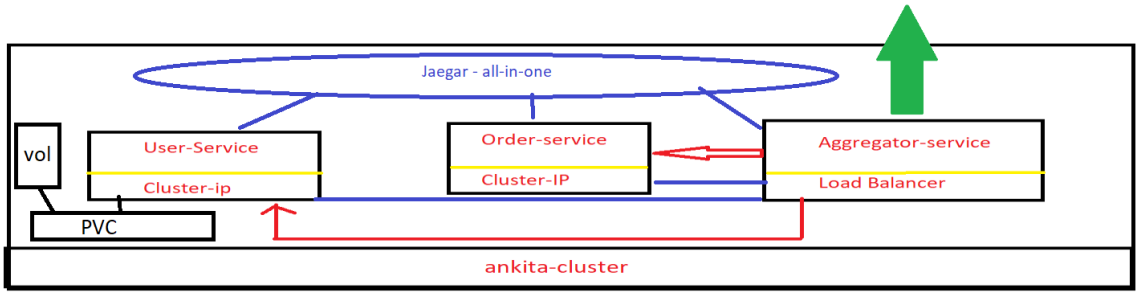
The repo contains
1. Services (User, order, aggregated) – (Node.js)
2. Deployment yml files for persistence volume claim, mysql deployment

Docker Hub image links:

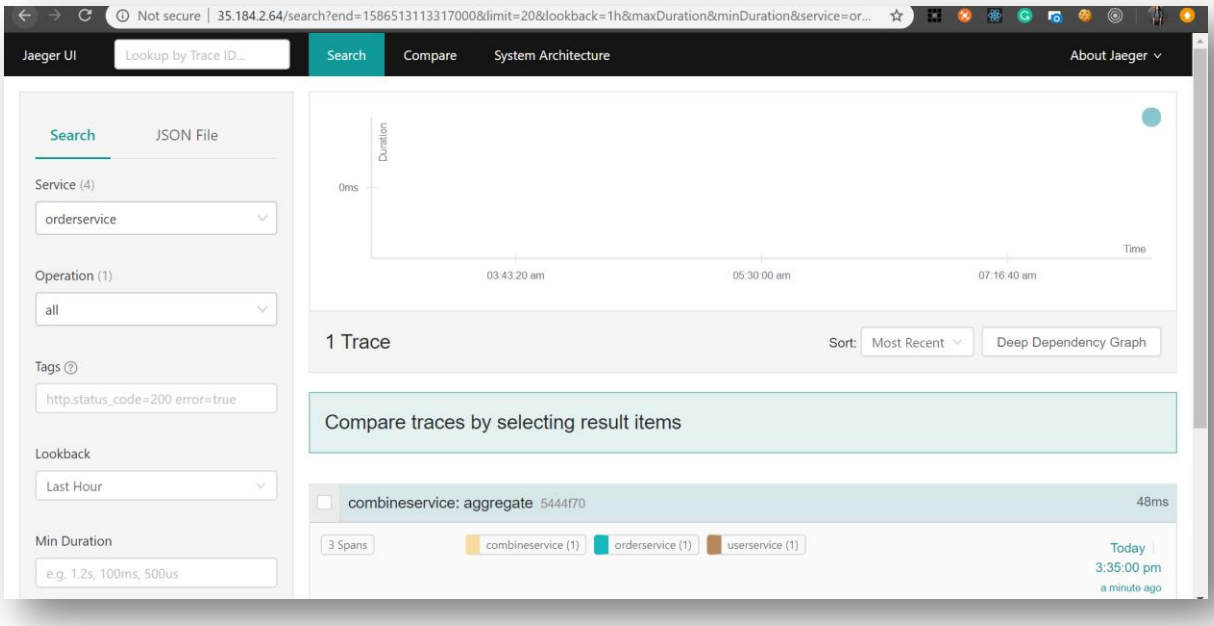
1. User-service Image: https://hub.docker.com/r/ankitakhurana25/service-user
2. Order-service image: https://hub.docker.com/r/ankitakhurana25/service-order
3. Aggregator-service image: https://hub.docker.com/r/ankitakhurana25/service-aggregator

Deployment using Kubernetes

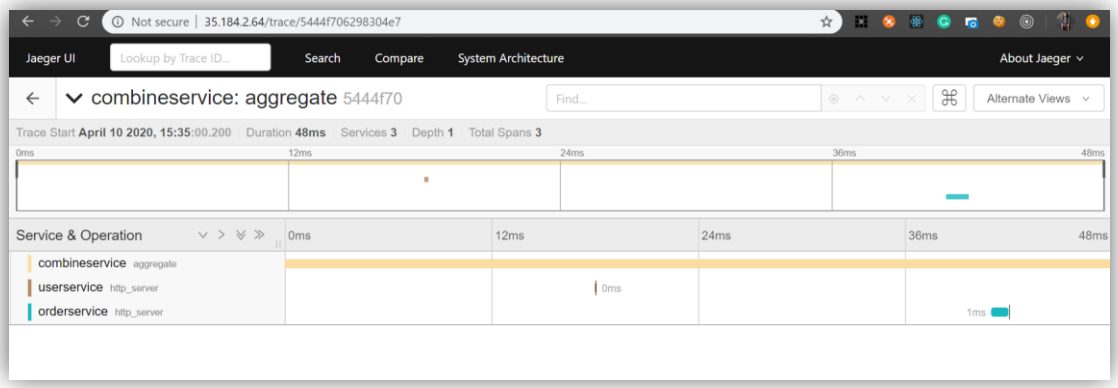
- The three services are deployed for this assignment. User and order service are accessible within the cluster using cluster-ip service type and aggregator service is exposed to the internet using load balance service type.
- User service uses mysql database using PVC.
- Distributed tracing is done using Jaeger, jaeger-client package is used for client -agent communication.



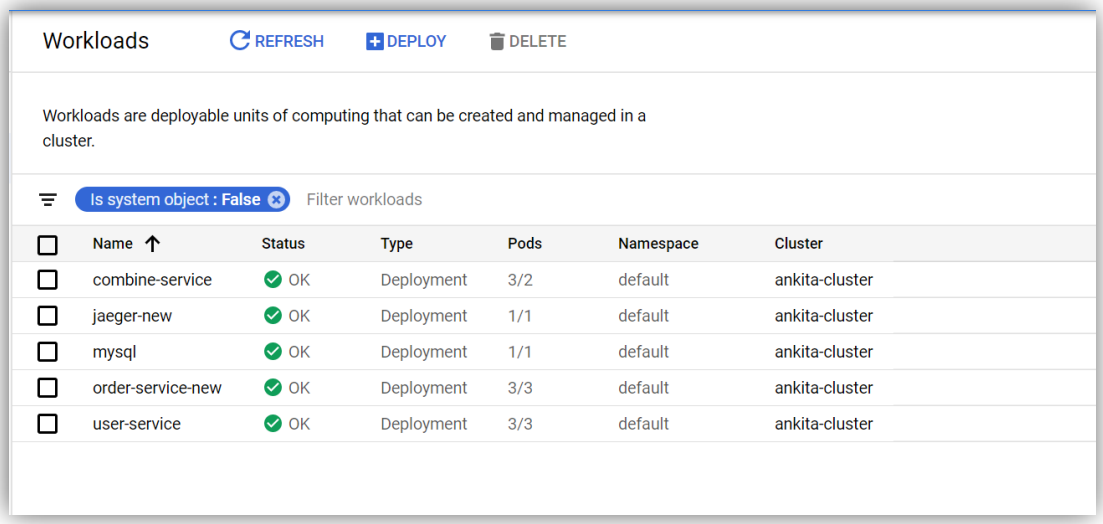
JAEGER UI



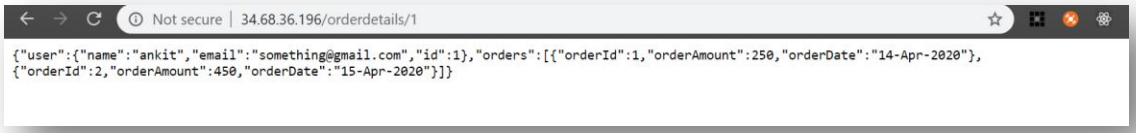
JAEGER UI – Aggregator service call



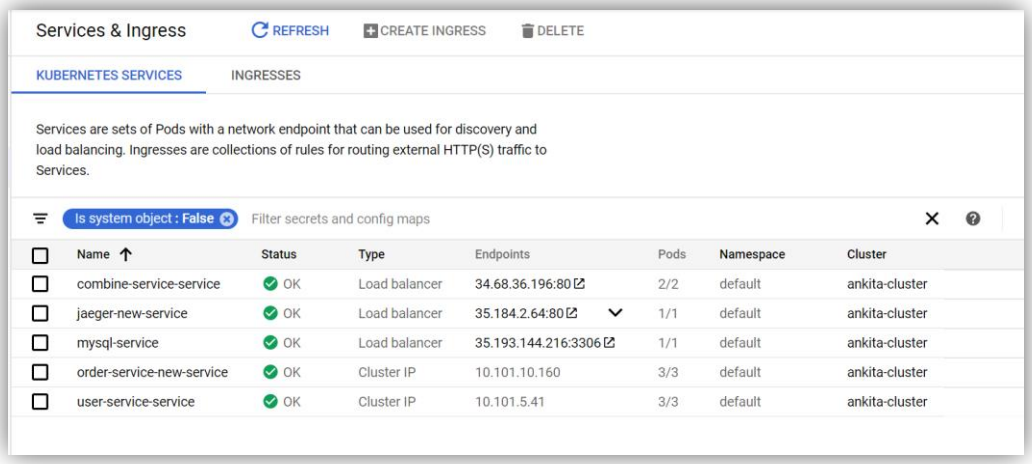
Deployments in Cluster



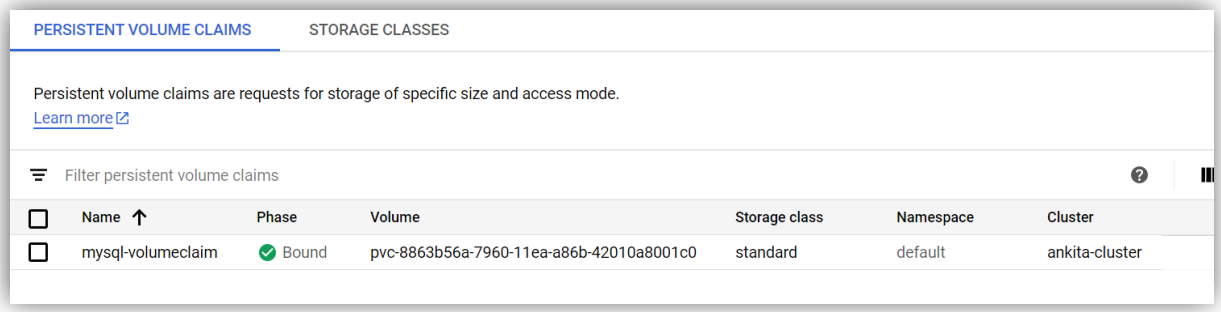
Aggregator Service Call



Cluster Services



Cluster Persistent Volume Claims



Cluster Configurations