Kubernetes understanding

Features

Kubernetes vs docker

Architecture

Nodes, pods , cluster, ingress, volumes

Ip addresses and ports

Kubernetes master architecture

Labels ,Selector, Annotations ,name , namespace, service

Manifest file

Kubernetes installation and creating a cluster with one master and 2 nodes

Deploying an application

Creating a service

Accessing service using node port

Created Kubernetes frontend backend and database and attached labels

Deleting and editing a pod

Persistent volumes and types

Kubernetes networking

Rolebased access control

Cluster role

Role binding

Cluster role binding

Troubleshooting