Praveen J-22CSR152 ||CSE C

DevOps Day 3 Task

https://kubernetes.io/docs/tasks/tools/install-kubectl-linux/

 curl -LO https://dl.k8s.io/release/v1.32.0/bin/linux/amd64/kubectl

sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl

chmod +x kubectl

mkdir -p ~/.local/bin

mv ./kubectl ~/.local/bin/kubectl

kubectl version --client

https://kubernetes.io/docs/tasks/tools/install-kubectl-linux/


https://dl.k8s.io/release/v1.32.0/bin/linux/amd64/kubectl


sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl



chmod +x kubectl

mkdir -p ~/.local/bin

mv ./kubectl ~/.local/bin/kubectl


kubectl version --client

https://minikube.sigs.k8s.io/docs/start/?arch=%2Fwindows%2Fx86-64%2Fstable%2F.exe+download

https://github.com/kubernetes/minikube/releases/latest/download/minikube-linux-amd64

sudo install minikube-linux-amd64 /usr/local/bin/minikube CC rm minikube-linux-amd64

minikube start

minikube start

```
cp, 127.0.0.1:32771->2376/tcp, 127.0.0.1:32770->5000/tcp, 127.0.0.1:32769->8443/tcp, 127.0.0.1:32768->32443/tcp    minikube
Praveen@DESKTOP-ELKSV5N:~$sudo docker exec-it mugesh_web_1 mysql-u root-p
OCI runtime exec failed: exec failed: unable to start container process: exec: "mysql": executable file not found in $PATH: unknown
Praveen@DESKTOP-ELKSV5N:~$sudo docker exec-it mugesh_web_1 mysql-u root-p
OCI runtime exec failed: exec failed: unable to start container process: exec: "mysql": executable file not found in $PATH: unknown
Praveen@DESKTOP-ELKSVSN:~$sudo apt install docker-compose-y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
docker-compose is already the newest version (1.29.2-6ubuntu1).
0 upgraded. 0 newly installed. 0 to remove and 56 not upgraded.
Praveen@DESKTOP-ELKSV5N:~$sudo docker exec-it mugesh_web_1 mysql -u root -p
OCI runtime exec failed: exec failed: unable to start container process: exec: "mysql": executable file not found in $PATH: unknown
Praveen@DESKTOP-ELKSV5N:~$sudo docker exec-it mugesh_db_1 mysql -u root-p
Enter password:
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)
Praveen@DESKTOP-ELKSV5N:~$sudo docker exec-it mugesh_db_1 mysql-u root-p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 9.2.0 MySQL Community Server - GPL

Copyright (c) 2000, 2025, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> |
```

minikube status

kubectl get pod

kubeclt get deploy

kubectl get replica

kubectl get pod -o wide

version: '3'

services:

  web:

    image: nginx:latest

    ports:

      - 80:80


  db:

    image: mysql:latest

    environment:

      - MYSQL_ROOT_PASSWORD=secret

docker exec -it david-db-1 /bin/bash

mysql -u root -p

DevOps Day 3 Task

Tasks Completed:

- I have installed minikube and executed several commands.