Devops day3

Minikube installation done.
commands learned

Kubernetes commands

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

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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 && rm minikube-linux-amd64

minikube start

minikube start

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
```

```
6e909acdb790: Pull complete
5eaa34f5b9c2: Pull complete
417c4bccf534: Pull complete
e7e0ca015e55: Pull complete
373fe654e984: Pull complete
97f5c0f51d43: Pull complete
c22eb46e871a: Pull complete
Digest: sha256:124b44bfc9ccd1f3cedf4b592d4d1e8bddb78b51ec2ed5056c52d3692baebc19
Status: Downloaded newer image for nginx:latest
Pulling db (mysql:latest)...
latest: Pulling from library/mysql
804bb8ae89de: Pull complete
1b515e7ceb69: Pull complete
eaa11c0a9f08: Pull complete
8d18181893b8: Pull complete
e0a910cc8604: Pull complete
bc0c792ca096: Pull complete
8d73d2a73425: Pull complete
4a7e00d873b9: Pull complete
27a2553d6a80: Pull complete
69e76254f502: Pull complete
Digest: sha256:9b9d0aab4860798acff13d2a0ece3bc26639fe18b83fa5cd3e3d0e16b3ed05dd
Status: Downloaded newer image for mysql:latest
Creating pavis_db_1  ... done
Creating pavis_web_1 ... done
pavis@pavish-kumar:~$
```

```
5bdef8ead500    mysql:latest                          "docker-entrypoint.s…"    52 seconds ago    Up 49 sec
onds    3306/tcp, 33060/tcp
                                    pavis_db_1
c848afa4daef    nginx:latest                          "/docker-entrypoint.…"    52 seconds ago    Up 49 sec
onds    0.0.0.0:80->80/tcp, :::80->80/tcp
                                    pavis_web_1
c3a978961242    gcr.io/k8s-minikube/kicbase:v0.0.46   "/usr/local/bin/entr…"    2 hours ago       Up 23 min
utes    127.0.0.1:32772->22/tcp, 127.0.0.1:32771->2376/tcp, 127.0.0.1:32770->5000/tcp, 127.0.0.1:32769->8
443/tcp, 127.0.0.1:32768->32443/tcp   minikube
pavis@pavish-kumar:~$ sudo docker exec -it pcubuntu_db_1 mysql -u root -p
Error response from daemon: No such container: pcubuntu_db_1
pavis@pavish-kumar:~$ sudo docker exec -it pavis_db_1 mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 9
Server version: 9.2.0 MySQL Community Server - GPL

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

mysql>
```