SAHASRAN M-22CSR167 ||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

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

kubectl version --client

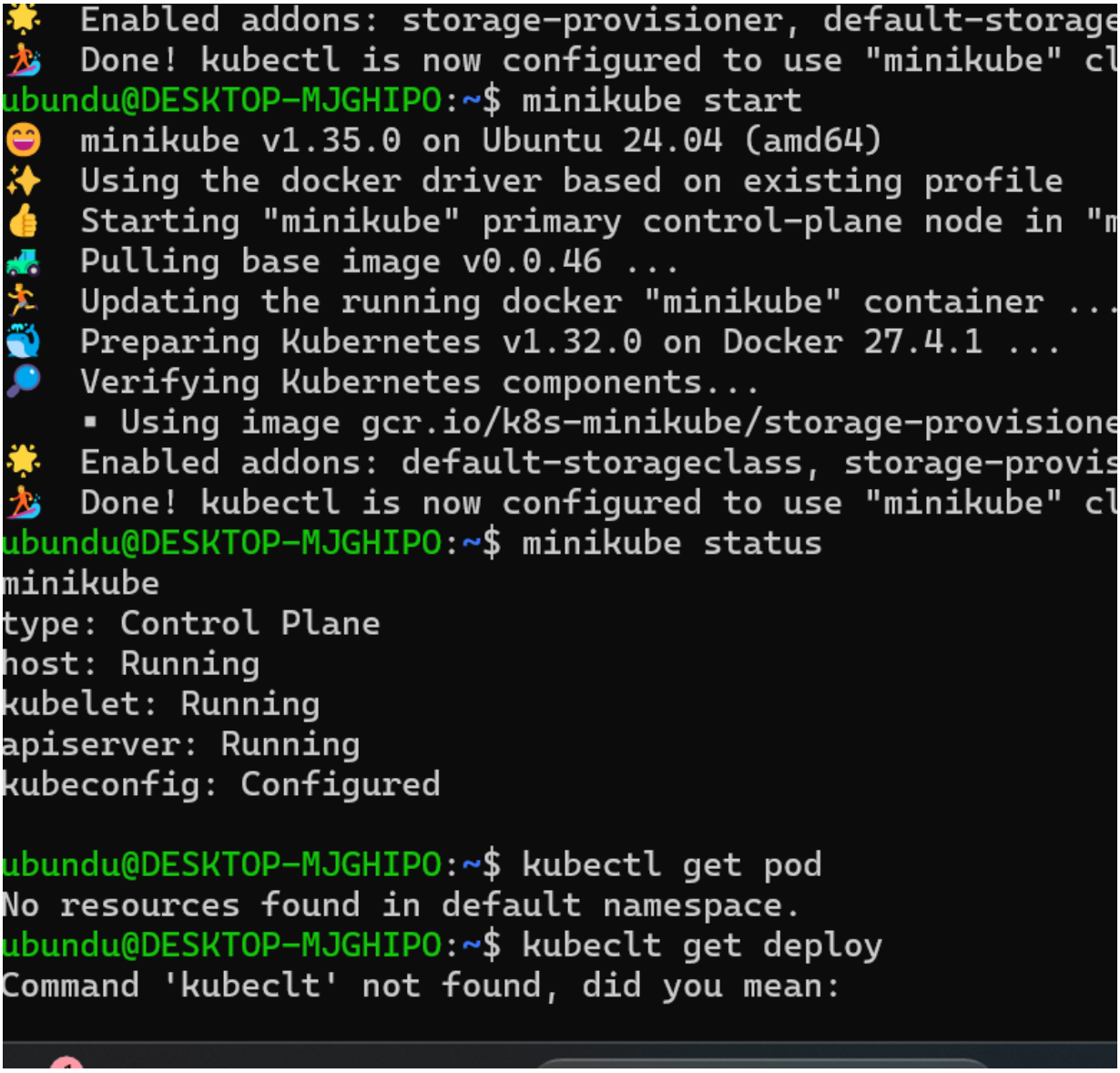
https://minikube.sigs.k8s.io/docs/start/?arch=%2Fwindows%2Fx86-64%2Fstable%2F.exe+download

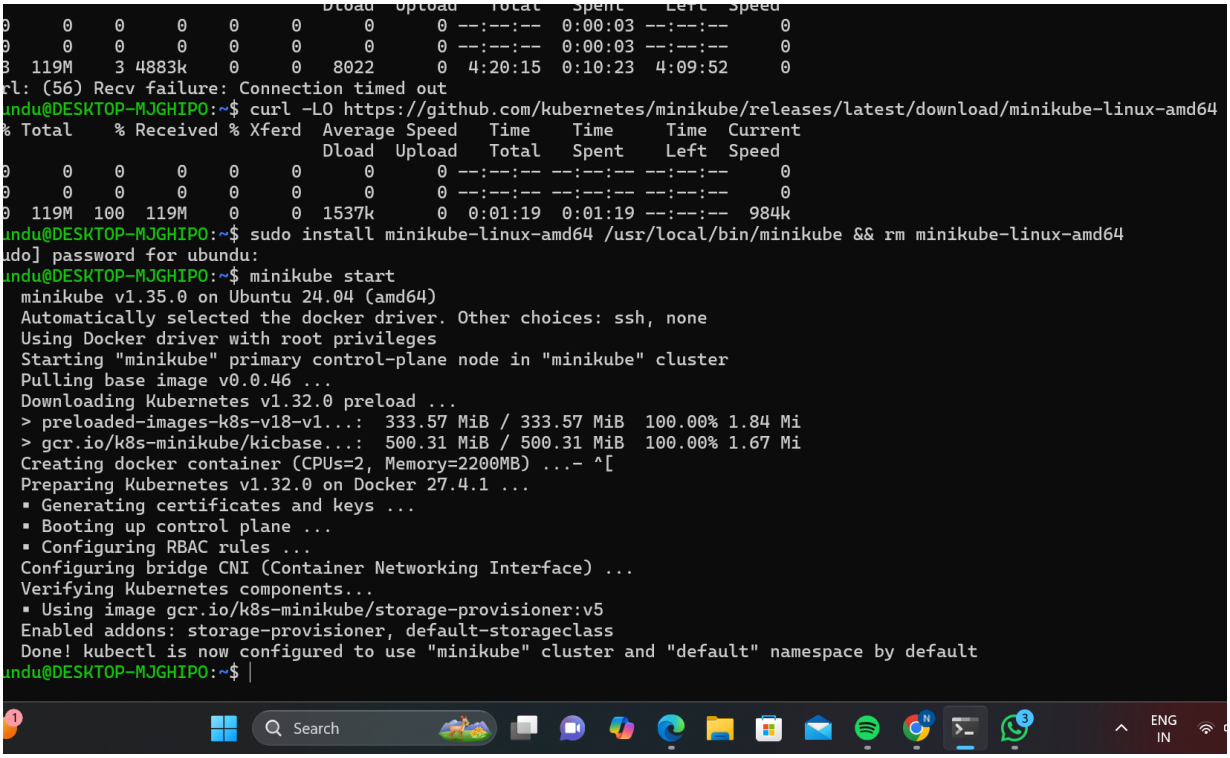
https://github.com/kubernetes/minikube/releases/latest/download/minikube-linux- amd64

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

minikube start

minikube start


🌟 Enabled addons: storage-provisioner, default-storage
🏄 Done! kubectl is now configured to use "minikube" cl
ubundu@DESKTOP-MJGHIPO:~$ minikube start
😄 minikube v1.35.0 on Ubuntu 24.04 (amd64)
✨ Using the docker driver based on existing profile
👍 Starting "minikube" primary control-plane node in "m
🚜 Pulling base image v0.0.46 ...
🏃 Updating the running docker "minikube" container ...
🐳 Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...
🔎 Verifying Kubernetes components...
▪ Using image gcr.io/k8s-minikube/storage-provisione
🌟 Enabled addons: default-storageclass, storage-provis
🏄 Done! kubectl is now configured to use "minikube" cl
ubundu@DESKTOP-MJGHIPO:~$ minikube status
minikube
type: Control Plane
host: Running
kubelet: Running
apiserver: Running
kubeconfig: Configured
ubundu@DESKTOP-MJGHIPO:~$ kubectl get pod
No resources found in default namespace.
ubundu@DESKTOP-MJGHIPO:~$ kubeclt get deploy
Command 'kubeclt' not found, did you mean:



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.