DevOps-Day 03:

Tasks Completed:

• I have installed minikube and executed several commands.

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- 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/

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- chmod +x kubectl
- mkdir -p ~/.local/bin
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- kubectl version --client
- https://minikube.sigs.k8s.io/docs/start/?arch=%2Fwindows%2Fx8
 6-64%2Fstable%2F.exe+download
- https://github.com/kubernetes/minikube/releases/latest/downloa d/minikube-linux-amd64
- sudo install minikube-linux-amd64 /usr/local/bin/minikube && rm minikube-linux-amd64
- minikube start
- minikube start
- minikube status

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kubectl get pod

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- kubeclt get deploy
- kubectl get replica
- kubectl get pod -o wide

- version: '3'
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- services:
- web:
- image: nginx:latest
- ports:
- -80:80
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- db:
- image: mysql:latest
- environment:
- MYSQL_ROOT_PASSWORD=secret
- docker exec -it david-db-1 /bin/bash

Step 1: Download Minikube Binary

Downloaded the latest Minikube binary compatible with Linux (amd64 architecture).

Step 2: Install Minikube

• Installed the Minikube binary by moving it to the system's executable path, making it accessible from anywhere.

Step 3: Cleanup

• Deleted the downloaded Minikube file to keep the directory clean.



