MINIKUBE INSTALLATION

Steps to install

Step 1:

1. Create one instance
    - Select ubuntu flavor
    - Select instance type as t2 medium
    - Finally launch the instances
2. Connect the instance to the server
3. Switch to root user by the command **sudo-i**
4. Update the server by the command **apt update -y**

Step 2:

1. Installation of **docker** by the commands

sudo apt install curl wget apt-transport-https -y
sudo curl -fsSL https://get.docker.com -o get-docker.sh
chmod 777 get-docker.sh
sh get-docker.sh

2. Perform these commands one by one in terminal to install the docker services

Step 3:

1. Installation of **minikube** by the commands

sudo curl -LO https://storage.googleapis.com/minikube/releases/latest/minikube-linux-amd64
sudo mv minikube-linux-amd64 /usr/local/bin/minikube

sudo chmod +x /usr/local/bin/minikube
sudo minikube version

2. Perform these commands one by one in terminal to install the minikube services

Step 4:

1. Installation of kubectl by the commands

sudo curl -LO "https://dl.k8s.io/release/$(curl -L -s https://dl.k8s.io/release/stable.txt)/bin/linux/amd64/kubectl"
sudo curl -LO "https://dl.k8s.io/$(curl -L -s https://dl.k8s.io/release/stable.txt)/bin/linux/amd64/kubectl.sha256"
udo echo "$(cat kubectl.sha256) kubectl" | sha256sum --check
sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubect
sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl
sudo kubectl version --client --output=yaml
sudo minikube start --driver=docker --force

2. Perform these commands one by one in terminal to install the kubectl services

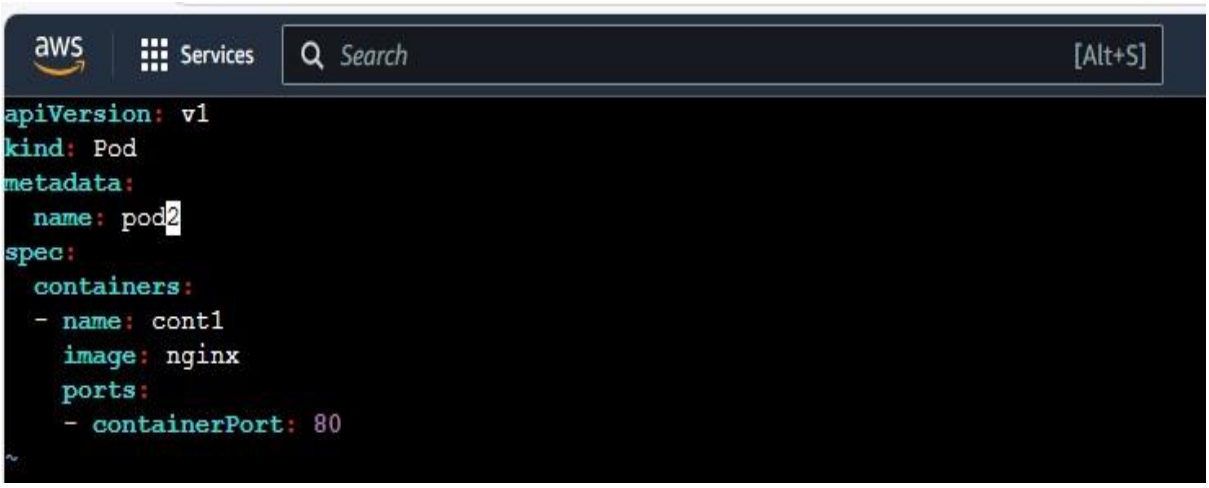
Step 5:

1. Create the pod by the command

kubectl run pod-name --image=image-name

2. Create the yaml file by the command **vi file-name.yml**

3. Write the script in the yml editor as shown in below figure



4. After writing the script in editor save the editor
5. **Kubectl create -f filename.yml -** by this command if pod is created then the work is done
6. **Kubectl get pods –** it is used to see the created pods as shown in below figure