PIPELINE

A screenshot of a computer

AI-generated content may be incorrect.

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**Visudo:**

1. sudo visudo

2. Add jenkins ALL=(ALL) NOPASSWD: ALL

**ssh installtion:**

1. sudo systemctl restart ssh.service

2. sudo systemctl restart sshd.service

3. sudo apt update

4. sudo apt install openssh-server

5. sudo systemctl restart ssh

6. sudo systemctl status ssh

7. ls /etc/systemd/system/sshd.service or ls /usr/lib/systemd/system/sshd.service

8. sudo systemctl daemon-reload

9. sudo systemctl status ssh

**Deployment:**

1. cd ~/.kube

2. ls

3. cat config

4. sudo vi config

5. i

6. -data

7. cat url | base64 -w 0; echo

8. minikube start

9. kubectl get node

A screenshot of a computer screen

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**Deployment.yml**

apiVersion: apps/v1

kind: Deployment

metadata:

name: my-deploy

labels:

name: my-deploy

spec:

replicas: 1

selector:

matchLabels:

apptype: web-backend

strategy:

type: RollingUpdate

template:

metadata:

labels:

apptype: web-backend

spec:

containers:

- name: my-app

image:

ports:

- containerPort: 7070

---

apiVersion: v1

kind: Service

metadata:

name: my-service

labels:

app: my-service

type: backend-app

spec:

type: NodePort

ports:

- targetPort: 8080

port: 7070

nodePort: 30002

selector:

apptype: web-backend

**JenkinsFile - pipeline script**

**pipeline {**

**agent any**

**stages {**

**stage('scm') {**

**steps {**

**git branch: 'main', url: 'https://github.com/DEEPIKAS22CSR040/new1.git'**

**}**

**}**

**stage('build') {**

**steps {**

**sh 'mvn clean'**

**sh 'mvn install'**

**}**

**}**

**stage('build to images') {**

**steps {**

**script {**

**sh 'docker build -t deepika040/mysimplewebapplication .'**

**}**

**}**

**}**

**stage('push to hub') {**

**steps {**

**script {**

**withDockerRegistry(credentialsId: 'docker-hub-credential', url: 'https://index.docker.io/v1/') {**

**sh 'docker push deepika040/mysimplewebapplication'**

**}**

**}**

**}**

**}**

**}**

**}**