

DevOps-Day 05:Task_Completed

Command:

```
jenkins ALL=(ALL) NOPASSWD: ALL
```

```
sudo systemctl restart ssh.service
```

```
sudo systemctl restart sshd.service
```

```
sudo apt update
```

```
sudo apt install openssh-server
```

```
sudo systemctl restart ssh
```

```
sudo systemctl status ssh
```

```
ls /etc/systemd/system/sshd.service or
```

```
ls /usr/lib/systemd/system/sshd.service
```

```
sudo systemctl daemon-reload
```

```
sudo systemctl status ssh
```

```
sudo systemctl restart ssh.service
```

```
cat /home/sathiyaseelan/.minikube/profiles/minikube/client.key
```

```
pipeline {
```

```
  agent any
```

```
  stages {
```

```
    stage('SCM') {
```

```
      steps {
```

```
        git branch: 'main', url: 'https://github.com/ragules/simple-web-app'
```

```

    }
}
stage('Build'){
    steps {
        bat 'mvn clean install'
    }
}
stage('build to images') {
    steps {
        script{
            bat "docker build -t ragul1177/webapplication ."
        }
    }
}
stage('docker push hub') {
    steps {
        script{
            withDockerRegistry(credentialsId: 'docker_crud', url:
'https://index.docker.io/v1/') {
                bat 'docker push ragul1177/webapplication'
            }
        }
    }
}
// stage('test') {
//     steps {
//         // withKubeConfig(caCertificate: '', clusterName: 'minikube', contextName:
'minikube', credentialsId: 'minikube', namespace: '', restrictKubeConfigAccess: false,
serverUrl: 'https://192.168.39.226:8443')

```

```
// sh 'kubectl apply -f deploy.yml --validate=false'

// }}

}

}
```

```
ragul@Admin:~$ minikube start
👉 minikube v1.35.0 on Ubuntu 24.04 (amd64)
🔧 Automatically selected the docker driver. Other choices: ssh, none
🔧 Using Docker driver with root privileges
🔧 Starting "minikube" primary control-plane node in "minikube" cluster
🔧 Pulling base image v0.0.46 ...
🔧 Downloading Kubernetes v1.32.0 preload ...
> preloaded-images-k8s-v18-v1...: 333.57 MiB / 333.57 MiB 100.00% 3.81 Mi
🔧 Creating docker container (CPUs=2, Memory=2200MB) ...
🔧 Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...
  • Generating certificates and keys ...
  • Booting up control plane ...
  • Configuring RBAC rules ...
🔧 Configuring bridge CNI (Container Networking Interface) ...
🔧 Verifying Kubernetes components...
  • Using image gcr.io/k8s-minikube/storage-provisioner:v5
🔧 Enabled addons: storage-provisioner, default-storageclass
🔧 Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
ragul@Admin:~$ minikube service my-service

❌ Exiting due to SVC_NOT_FOUND: Service 'my-service' was not found in 'default' namespace.
You may select another namespace by using 'minikube service my-service -n <namespace>'. Or list out all the services using 'minikube service list'

ragul@Admin:~$ kubectl delete all --all
service "kubernetes" deleted
ragul@Admin:~$ nano deploy.yml
ragul@Admin:~$ kubectl apply -f deploy.yml
deployment.apps/my-deploy created
service/my-service created
ragul@Admin:~$ minikube service my-service
-----
| NAMESPACE | NAME      | TARGET PORT | URL                               |
|-----|-----|-----|-----|
| default   | my-service | 9000        | http://192.168.49.2:30002       |
|-----|-----|-----|-----|

❌ Exiting due to SVC_UNREACHABLE: service not available: no running pod for service my-service found

👉 If the above advice does not help, please let us know:
👉 https://github.com/kubernetes/minikube/issues/new/choose

Please run 'minikube logs --file=logs.txt' and attach logs.txt to the GitHub issue.
Please also attach the following file to the GitHub issue:
```

```
ragul@Admin:~$ kubectl get pod
NAME                                READY   STATUS    RESTARTS   AGE
my-deploy-df6c58bc8-r9mst          0/1     ContainerCreating   0          45s
ragul@Admin:~$ kubectl get pod
NAME                                READY   STATUS    RESTARTS   AGE
my-deploy-df6c58bc8-r9mst          0/1     ContainerCreating   0          51s
ragul@Admin:~$ kubectl get pod
NAME                                READY   STATUS    RESTARTS   AGE
my-deploy-df6c58bc8-r9mst          0/1     ContainerCreating   0          52s
ragul@Admin:~$ kubectl get pod
NAME                                READY   STATUS    RESTARTS   AGE
my-deploy-df6c58bc8-r9mst          0/1     ContainerCreating   0          53s
ragul@Admin:~$ kubectl get pod
NAME                                READY   STATUS    RESTARTS   AGE
my-deploy-df6c58bc8-r9mst          0/1     ContainerCreating   0          53s
ragul@Admin:~$ kubectl get pod
NAME                                READY   STATUS    RESTARTS   AGE
my-deploy-df6c58bc8-r9mst          1/1     Running       0          68s
ragul@Admin:~$ minikube service my-service
-----
| NAMESPACE | NAME      | TARGET PORT | URL                               |
|-----|-----|-----|-----|
| default   | my-service | 9000        | http://192.168.49.2:30002       |
|-----|-----|-----|-----|
🔧 Starting tunnel for service my-service.
-----
| NAMESPACE | NAME      | TARGET PORT | URL                               |
|-----|-----|-----|-----|
| default   | my-service | 9000        | http://127.0.0.1:35011         |
|-----|-----|-----|-----|
🔧 Opening service default/my-service in default browser...
🔧 http://127.0.0.1:35011
🔧 Because you are using a Docker driver on linux, the terminal needs to be open to run it.
^C🔧 Stopping tunnel for service my-service.
ragul@Admin:~$ curl http://192.168.49.2:30002/maven-web-app/
<html>
<body>
<h2>Hello World!</h2>
</body>
```

```

root@Admin:~# sudo apt update
sudo apt install openssl-server
[sudo] password for ragul:
Ign:1 https://pkg.jenkins.io/debian-stable binary/ InRelease
Hit:2 https://pkg.jenkins.io/debian-stable binary/ Release
Hit:3 http://archive.ubuntu.com/ubuntu noble InRelease
Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:6 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:7 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:8 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [151 kB]
Get:9 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [900B]
Get:10 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [364 kB]
Get:11 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:12 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [948 B]
Get:13 http://archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [208 B]
Get:14 http://archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [20.9 kB]
Get:15 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [51.9 kB]
Get:16 http://archive.ubuntu.com/ubuntu noble-backports/universe amd64 C-n-f Metadata [126B]
Get:17 http://archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
Get:18 http://archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Get:19 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [288 B]
Get:20 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [288 B]
Fetched 978 kB in 2s (512 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
28 packages can be upgraded. Run 'apt list --upgradable' to see them.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
openssl-server is already the newest version (1:9.6p1-3ubuntu13.8).
0 upgraded, 0 newly installed, 0 to remove and 28 not upgraded.
root@Admin:~# sudo systemctl restart ssh
ragul@Admin:~# sudo systemctl status ssh
● ssh.service - OpenSSH Secure Shell server
   Loaded: loaded (/usr/lib/systemd/system/ssh.service; disabled; preset: enabled)
   Active: active (running) since Fri 2025-03-21 10:49:42 UTC; 18s ago
   TriggeredBy: ● ssh.socket
     Docs: man:sshd(8)
           man:sshconf(5)
   Process: 88855 ExecStartPre=usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
   Main PID: 88855 (sshd)
     Tasks: 1 (limit: 9331)
    Memory: 1.3M (?)
   CGroup: /system.slice/ssh.service

```

[illegible]

