FINAL PROJECT

DevOps-Day06:

JAVA APPLICATION DEPLOYEMENT IN MINIKUBE

```
PIPELINE:
pipeline {
  agent any
  stages {
    stage('SCM') {
     steps {
       git branch: 'main', url: 'https://github.com/MugeshS-04/guvidevopsday1.git'
     }
   }
    stage('Build-clean') {
     steps{
       sh 'mvn clean'
     }
   }
       stage('Build-validate') {
     steps{
              sh 'mvn validate'
     }
   }
```

```
stage('Build-compile') {
     steps{
              sh 'mvn compile'
     }
   }
       stage('Build-test') {
     steps{
              sh 'mvn test'
     }
   }
       stage('Build-package') {
     steps{
              sh 'mvn package'
     }
   }
   stage('build to images') {
     steps {
     script{
       sh "docker build -t mugeshs04/webapplication."
     }
     }
   }
   stage('docker push hub') {
     steps {
     script{
      withDockerRegistry(credentialsId: 'docker-hub-cred', url:
'https://index.docker.io/v1/') {
       sh 'docker push mugeshs04/webapplication'
```

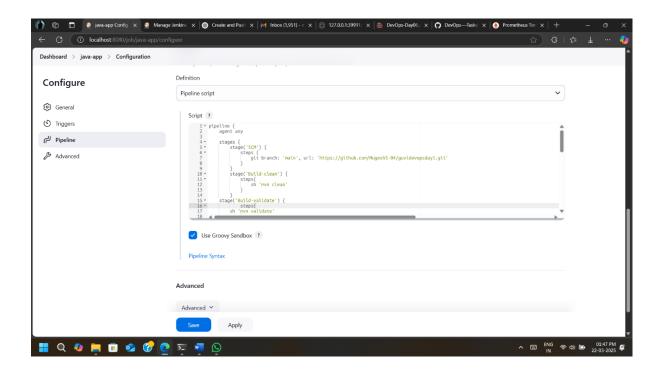
```
}
     }
     }
   }
   stage('deploy webapp') {
     steps{
       withKubeConfig(caCertificate: '', clusterName: 'minikube', contextName:
'minikube', credentialsId: 'minikube-cred', namespace: '', restrictKubeConfigAccess:
false, serverUrl: 'https://192.168.39.226:8443') {
         sh 'kubectl apply -f deployment.yml --validate=false'
       }
     }
 }
}
}
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: mugeshs04/guvidevopsday1
ports:
- containerPort: 9000
apiVersion: v1
kind: Service
metadata:
name: my-service
labels:
app: my-service
spec:
type: NodePort
ports:
- port: 9000
targetPort: 8080

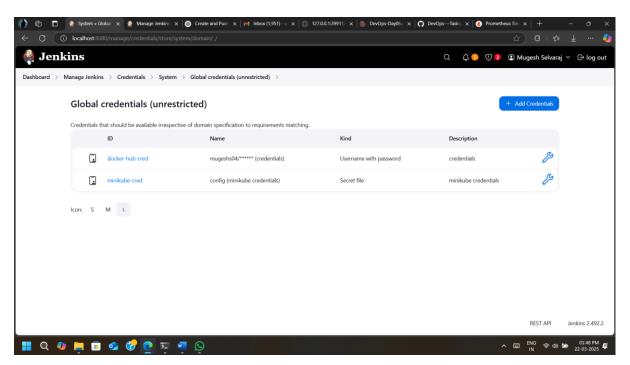
nodePort: 30002

selector:

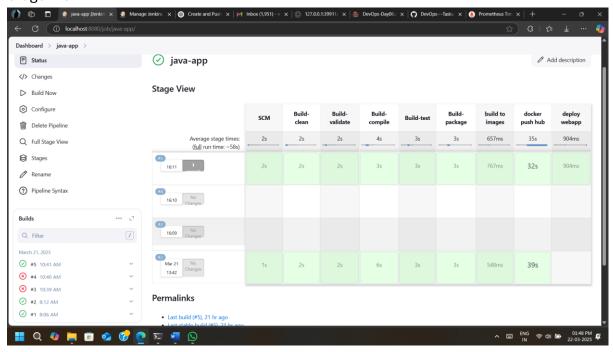
apptype: web-backend



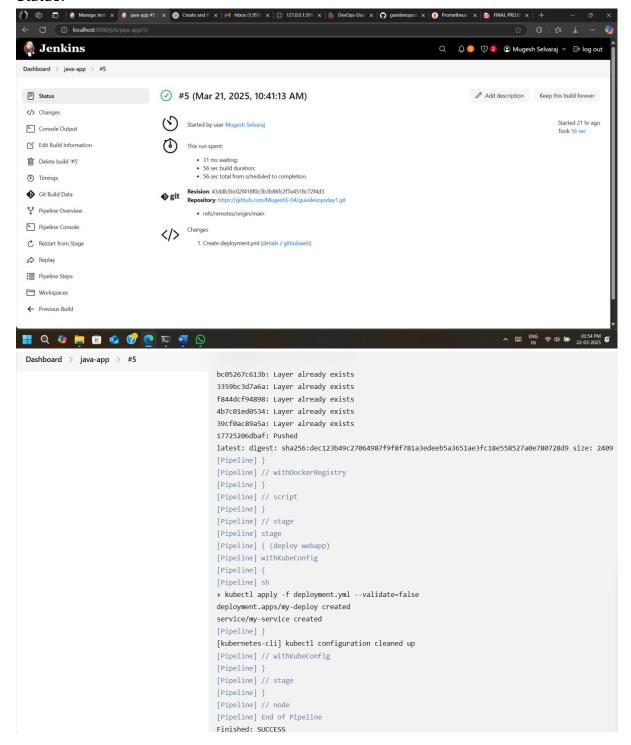
Credentials:



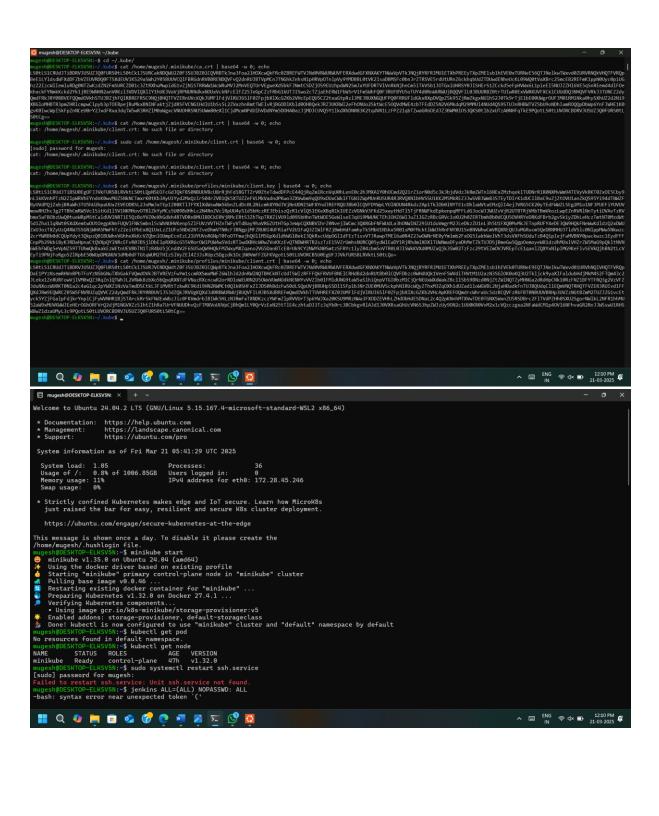
Stage View:

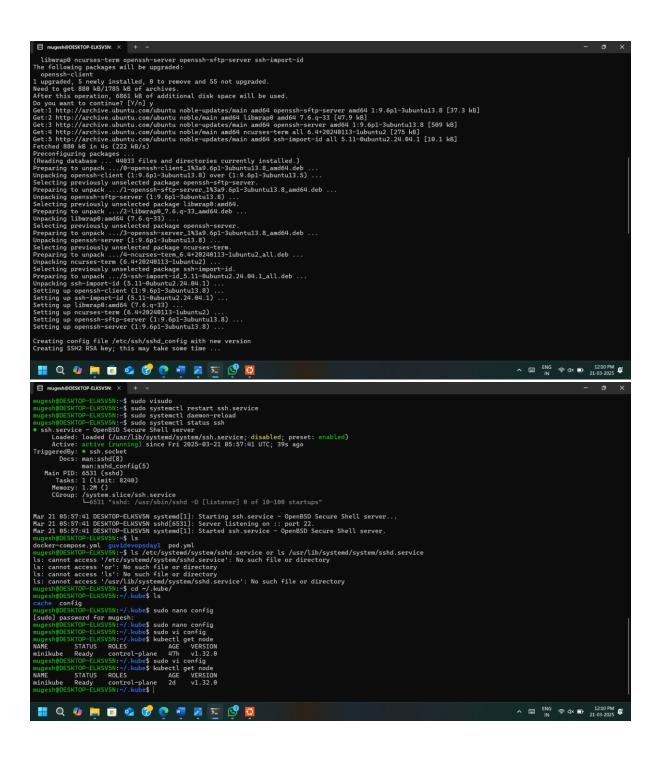


Status:



Minikube commands:





Output:

