Final project

Java application mini kube deployment

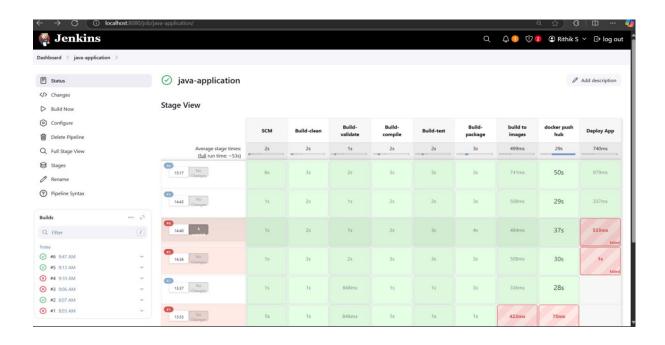
```
pipeline {
  agent any
  stages {
    stage('SCM') {
      steps {
        git branch: 'main', url: 'https://github.com/Rithik2005/devOps2/tree/main'
      }
    }
    stage('Build-clean') {
      steps{
        sh 'mvn clean'
      }
    }
       stage('Build-validate') {
      steps{
               sh 'mvn validate'
      }
    }
       stage('Build-compile') {
      steps{
              sh 'mvn compile'
```

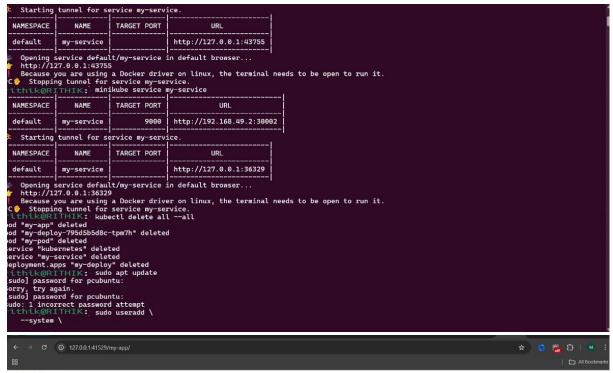
```
}
}
   stage('Build-test') {
  steps{
          sh 'mvn test'
  }
}
   stage('Build-package') {
  steps{
          sh 'mvn package'
  }
}
stage('build to images') {
  steps {
  script{
    sh "docker build -t rithik/simplewebapp2 ."
  }
  }
}
stage('docker push hub') {
  steps {
  script{
   withDockerRegistry(credentialsId: 'docker_cred', url: 'https://index.docker.io/v1/') {
    sh 'docker push rithik2005/simplewebapp2'
  }
  }
  }
```

```
}
    stage('deploy') {
      steps {
      script{
        withKubeCredentials(kubectlCredentials: [[caCertificate: ", clusterName: 'minikube',
contextName: 'minikube', credentialsId: 'cred_1', namespace: '', serverUrl:
'https://192.168.39.226:8443']]) {
  sh 'kubectl apply -f deploy.yml --validate=false'
}
      }
      }
      }
    }
 }
apiVersion: apps/v1
kind: Deployment
metadata:
 name: webnginx2
 labels:
  name: webnginx2
spec:
 replicas: 1
 selector:
  matchLabels:
   apptype: web-backend
 strategy:
  type: RollingUpdate
```

template:
metadata:
labels:
apptype: web-backend
spec:
containers:
- name: webnginx2
image: rithik2005/simplewebapp:latest
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

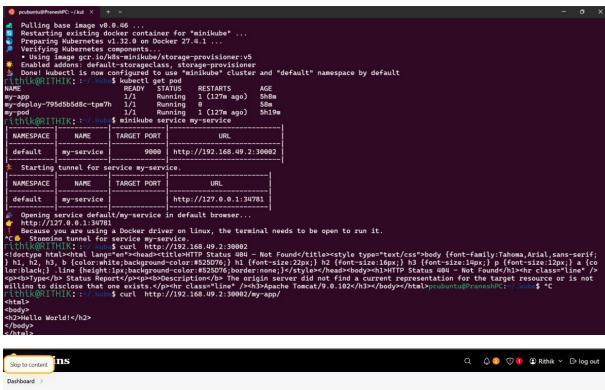


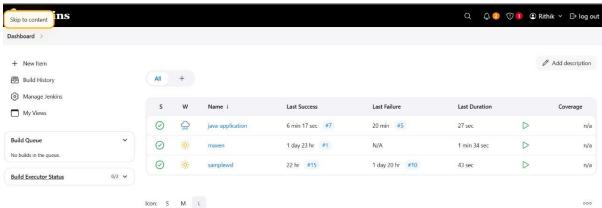


Hello World!

```
walling. apt-key is depretated. Hanage keyring files in clust
OK
deb https://packages.grafana.com/oss/deb stable main
Ign:1 https://pkg.jenkins.io/debian-stable binary/ InRelease
prometheus-2.47.1.linux-amd64/NOTICE
prometheus-2.47.1.linux-amd64/prometheus.yml
prometheus-2.47.1.linux-amd64/consoles/
prometheus-2.47.1.linux-amd64/consoles/prometheus.html
prometheus-2.47.1.linux-amd64/consoles/prometheus-overview.html
prometheus-2.47.1.linux-amd64/consoles/jndex.html.example
prometheus-2.47.1.linux-amd64/consoles/jndex.html.example
prometheus-2.47.1.linux-amd64/consoles/node-disk.html
prometheus-2.47.1.linux-amd64/consoles/node-overview.html
prometheus-2.47.1.linux-amd64/promtool
prometheus-2.47.1.linux-amd64/promtool
prometheus-2.47.1.linux-amd64/console_libraries/
prometheus-2.47.1.linux-amd64/console_libraries/
prometheus-2.47.1.linux-amd64/console_libraries/
prometheus-2.47.1.linux-amd64/console_libraries/
prometheus-2.47.1.linux-amd64/prometheus/
p
```

```
Mar 22 06:40:08 PraneshPC systemd[1]: prometheus.service: Failed with result 'exit-code'.
...skipping...
• prometheus.service - Prometheus
```





ocalhost 2000/#skip/Zontent
REST API Jenkins 2.492.2