

Stage view

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: nginx # <-- Added valid image
          ports:
            - containerPort: 9000
```

service.yml

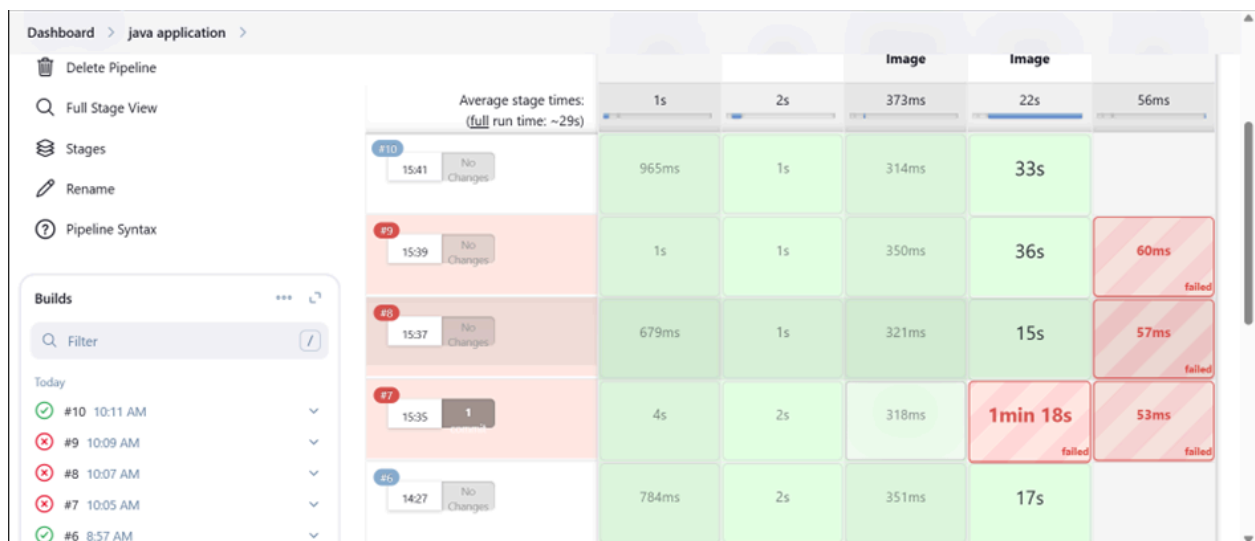
```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: my-deploy
  labels:
    name: my-deploy
spec:
  replicas: 1
  selector:
    matchLabels:
      apptype: web-backend
```

```
strategy:
  type: RollingUpdate
template:
  metadata:
    labels:
      apptype: web-backend
  spec:
    containers:
      - name: my-app
        image: amudhavan/simplewebapp:latest
        ports:
          - containerPort: 9000
```

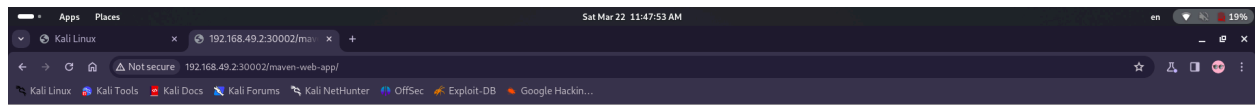
```
apiVersion: v1
kind: Service
metadata:
  name: my-service
  labels:
    app: my-service
spec:
  type: NodePort
  ports:
    - port: 9000
      targetPort: 8080
      nodePort: 30002
  selector:
    apptype: web-backend
```

```
amudhavan@kali: ~/Documents/devops/docker/day2
ls
Jenkinsfile cmd.txt day1 day2
amudhavan@kali:~/Documents/devops/docker$ cd day2
amudhavan@kali:~/Documents/devops/docker/day2$ ls
Jenkinsfile.txt docker-compose.yml service.yml
Screenshot from 2025-03-19 14-46-06.png kube.yml
deployment.yml maven
amudhavan@kali:~/Documents/devops/docker/day2$ kubectl apply -f service.yml
Warning: resource deployments/my-deploy is missing the kubectl.kubernetes.io/last-applied-configuration annotation which is required by kubectl apply. kubectl apply should only be used on resources created declaratively by either kubectl create --save-config or kubectl apply. The missing annotation will be patched automatically.
Warning: resource services/my-service is missing the kubectl.kubernetes.io/last-applied-configuration annotation which is required by kubectl apply. kubectl apply should only be used on resources created declaratively by either kubectl create --save-config or kubectl apply. The missing annotation will be patched automatically.
service/my-service configured
amudhavan@kali:~/Documents/devops/docker/day2$ kubectl replace -f service.yml
deployment.apps/my-deploy replaced
service/my-service replaced
amudhavan@kali:~/Documents/devops/docker/day2$ minikube service my-service
-----
| NAMESPACE | NAME   | TARGET PORT | URL                                     |
|-----|-----|-----|-----|
| default   | my-service | 9000        | http://192.168.49.2:30002            |
-----
Opening service default/my-service in default browser...
```

Terminal for service.yml



Stage View



Output for service.yml