

```
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
minikube start
minikube v1.35.0 on Debian kali-rolling
Using the docker driver based on existing profile
Starting "minikube" primary control-plane node in "minikube" cluster
Pulling base image v0.8.46 ...
Restarting existing docker container for "minikube" ...
Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...
Verifying Kubernetes components...
Using image gcr.io/k8s-minikube/storage-provisioner:v5
Enabled addons: default-storageclass, storage-provisioner
Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
amudhavan@kali:~/Documents/devops/docker/day2$ kubectl apply -f service.yml
Warning: resource deployments/my-deploy is missing the kubect.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.
deployment.apps/my-deploy configured
Warning: resource services/my-service is missing the kubect.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 output for service.yml

```
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| NAMESPACE | NAME | TARGET PORT | URL |
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| default | my-service | 9000 | http://192.168.49.2:30002 |
|-----|
Opening service default/my-service in default browser...
```

## Output for service.yml

## Commands

```
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
```