

Devops Task - 4

```
mani@DESKTOP-0RGTAQI:~$ vim file.txt
```

```
mani@DESKTOP-0RGTAQI: ~  
apiVersion: apps/v1  
kind: Deployment  
metadata:  
  labels:  
    app: test  
  name: test  
spec:  
  replicas: 1  
  selector:  
    matchLabels:  
      app: test  
  template:  
    metadata:  
      labels:  
        app: test  
    spec:  
      containers:  
      - name: test  
        image: mani1711/t2  
        imagePullPolicy: Always  
        ports:  
        - containerPort: 3000  
          name: http  
          protocol: TCP  
~  
~  
~  
~  
~
```

```
mani@DESKTOP-0RGTAQI:~$ vim expose.txt
```

mani@DESKTOP-0RGTAQI: ~

```
apiVersion: v1
kind: Service
metadata:
  name: test-service # Corrected the name field
  labels:
    app: test
spec:
  selector:
    app: test # Ensures it matches the label in the corresponding deployment/pod
  ports:
    - name: http
      port: 80
      protocol: TCP
      targetPort: 80
  type: NodePort # Exposes service on a node port
```

```
mani@DESKTOP-0RGTAQI:~$ kubectl apply -f file.txt
deployment.apps/test unchanged
mani@DESKTOP-0RGTAQI:~$ kubectl apply -f expose.txt
service/test-service unchanged
mani@DESKTOP-0RGTAQI:~$
```

```
mani@DESKTOP-0RGTAQI:~$ minikube service test-service
[+] Executing "docker container inspect minikube --format={{.State.Status}}" took an unusually long time: 2.703943705s
[+] Restarting the docker service may improve performance.

-----
| NAMESPACE | NAME       | TARGET PORT | URL                |
-----
| default    | test-service | http/80      | http://192.168.49.2:32675 |
-----
[+] Starting tunnel for service test-service.

-----
| NAMESPACE | NAME       | TARGET PORT | URL                |
-----
| default    | test-service |             | http://127.0.0.1:46063 |
-----
[+] Opening service default/test-service in default browser...
[+] http://127.0.0.1:46063
[+] Because you are using a Docker driver on linux, the terminal needs to be open to run it.
```



127.0.0.1:46063



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