

TASK : 4

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## Starting minikube

```
swetha@SWETHA:~$ minikube start
🐳 minikube v1.35.0 on Ubuntu 24.04 (amd64)
🌟 Using the docker driver based on existing profile
👉 Starting "minikube" primary control-plane node in "minikube" cluster
📡 Pulling base image v0.0.46 ...
🐳 docker "minikube" container is missing, will recreate.
👉 Creating docker container (CPUs=2, Memory=2200MB) ...
🔥 StartHost failed, but will try again: recreate: creating host: create: creating: create kic node: create container: docker run -d -t --privileged --security-opt seccomp=unconfined --tmpfs /tmp --tmpfs /run -v /lib/modules:/lib/modules:ro --hostname minikube --name minikube --label created_by=minikube.sigs.k8s.io=true --label name=minikube.sigs.k8s.io=minikube --label role=minikube.sigs.k8s.io= --label mode=minikube.sigs.k8s.io=minikube --network minikube --ip 192.168.49.2 --volume minikube:/var --security-opt apparmor=unconfined --memory=2200mb --cpus=2 -e container=docker --expose 8443 --publish=127.0.0.1::8443 --publish=127.0.0.1::22 --publish=127.0.0.1::2376 --publish=127.0.0.1::5000 --publish=127.0.0.1::32443 docker.io/kicbase/stable:v0.0.46: exit status 125
stdout:

stderr:
docker: Cannot connect to the Docker daemon at unix:///var/run/docker.sock. Is the docker daemon running?

Run 'docker run --help' for more information

🐳 docker "minikube" container is missing, will recreate.
👉 Creating docker container (CPUs=2, Memory=2200MB) ...
🔥 Failing to connect to https://registry.k8s.io/ from both inside the minikube container and host machine
👉 To pull new external images, you may need to configure a proxy: https://minikube.sigs.k8s.io/docs/reference/networking/proxy/
📡 Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...
🔧 Configuring bridge CNI (Container Networking Interface) ...
📡 Verifying Kubernetes components...
  * Using image gcr.io/k8s-minikube/storage-provisioner:v5
🌟 Enabled addons: storage-provisioner, default-storageclass
👉 Done! kubectrl is now configured to use "minikube" cluster and "default" namespace by default
swetha@SWETHA:~$ mkdir task4
swetha@SWETHA:~$ cd task4
swetha@SWETHA:~/task4$ vim task4.yml
```

## yml code

```
swetha@SWETHA: ~/task4
metadata:
  labels:
    app: springboot-app
  name: springboot-app
spec:
  replicas: 1
  selector:
    matchLabels:
      app: springboot-app
  template:
    metadata:
      labels:
        app: springboot-app
    spec:
      containers:
        - name: my-springboot-app
          image: swethar22csr/petclinic
          imagePullPolicy: Always
          ports:
            - containerPort: 80
              name: http
              protocol: TCP
# service type loadbalancer
---
apiVersion: v1
kind: Service
metadata:
  labels:
    app: springboot-app
    k8s-app: springboot-app
  name: springboot-app
spec:
  ports:
    - name: http
      port: 8080
      protocol: TCP
      targetPort: 8080
  type: NodePort
  selector:
    app: springboot-app
"task4.yml" 42L, 758B
41,11 Bot
```

# Port no of the petclinic

```
swetha@SWETHA:~/task4$ kubectl get pods
NAME                                READY    STATUS    RESTARTS   AGE
r1-98c6f9c9f-w6mpb                 0/1     ImagePullBackOff    0          22h
r2-5cb4d7959d-p66xs                 1/1     Running             3 (9m57s ago)    21h
r3-7795f668cc-kf14h                 1/1     Running             2 (9m52s ago)    18h
r4-77b459dff6-6f8dh                 1/1     Running             2 (9m51s ago)    18h
swetha@SWETHA:~/task4$ minikube service r4

```

| NAMESPACE | NAME | TARGET PORT | URL                       |
|-----------|------|-------------|---------------------------|
| default   | r4   | 8080        | http://192.168.58.2:30300 |

```

Starting tunnel for service r4.

```

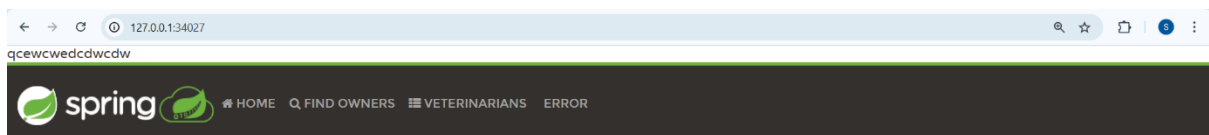
| NAMESPACE | NAME | TARGET PORT | URL                    |
|-----------|------|-------------|------------------------|
| default   | r4   |             | http://127.0.0.1:34027 |

```

Opening service default/r4 in default browser...
http://127.0.0.1:34027
Because you are using a Docker driver on linux, the terminal needs to be open to run it.

```

<https://127.0.0.1:34027>



???welcome Aranganathan 79998wdd???



127.0.0.1:34027