Task 4 – Kubernetes Using Shell Script

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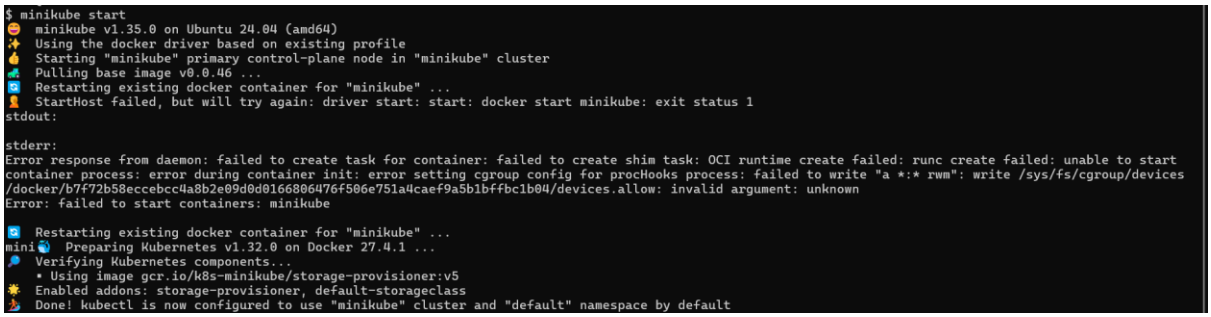
Step 1: MiniKube

Start the minikube using minikube start command



Step 2: Folder Creation

- Create a folder named task4 and change the directory to task4.
- Create a new vim file named a.yaml
- Enter the yaml file code using the insert
- Apply the changes made in the devops.yaml file

Step 3: Get the pods information to check if it is running or not using the following command and Open the service springboot-app in the browser

Kubectl get pods

Minikube service springboot-app

```
$ kubectl get pods
NAME                              READY   STATUS        RESTARTS      AGE
pet-5c5dd74f55-btvbj              1/1     Running       3 (4m4s ago)  18h
springboot-app-59d4d4f67d-px9x7   1/1     Running       0             9s
springboot-app-9df9d6d8b-2bls7    1/1     Terminating   1 (4m4s ago)  9m10s
$ minikube service springboot-app
|-----------|----------------|-------------|---------------------------|
| NAMESPACE |      NAME      | TARGET PORT |            URL            |
|-----------|----------------|-------------|---------------------------|
| default   | springboot-app | http/8080   | http://192.168.49.2:32720 |
|-----------|----------------|-------------|---------------------------|
🏃  Starting tunnel for service springboot-app.
|-----------|----------------|-------------|------------------------|
| NAMESPACE |      NAME      | TARGET PORT |          URL           |
|-----------|----------------|-------------|------------------------|
| default   | springboot-app |             | http://127.0.0.1:45103 |
|-----------|----------------|-------------|------------------------|
🎉  Opening service default/springboot-app in default browser...
👉  http://127.0.0.1:45103
❗  Because you are using a Docker driver on linux, the terminal needs to be open to run it.
```

Step 4: The output is shown in the browser in the localhost