Task 6 - Deploy with Kubernetes and Save Output Logs

22 November 2022   07:59

```
(.devops) voclabs:~/environment/operationalise-ML (main) $ ./run_kubernetes.sh
Error from server (AlreadyExists): pods "udaprojml" already exists
NAME        READY   STATUS    RESTARTS   AGE
udaprojml   1/1     Running   0          12m
Forwarding from 127.0.0.1:8000 -> 80
Forwarding from [::1]:8000 -> 80
```

```
(.devops) voclabs:~/environment/operationalise-ML (main) $ ./make_prediction.sh
Port: 8000
{
  "prediction": [
    20.35373177134412
  ]
}
(.devops) voclabs:~/environment/operationalise-ML (main) $
```

```
(.devops) voclabs:~/environment/operationalise-ML (main) $ ./make_prediction.sh
Port: 8000
{
  "prediction": [
    20.35373177134412
  ]
}
(.devops) voclabs:~/environment/operationalise-ML (main) $ ./make_prediction.sh >> kubernetes_out.txt
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100   260  100    48  100   212    720   3183 --:--:-- --:--:-- --:--:--  4333
(.devops) voclabs:~/environment/operationalise-ML (main) $
```

```
(.devops) voclabs:~/environment/operationalise-ML (main) $ ./run_kubernetes.sh
Error from server (AlreadyExists): pods "udaprojml" already exists
NAME        READY   STATUS    RESTARTS   AGE
udaprojml   1/1     Running   0          12m
Forwarding from 127.0.0.1:8000 -> 80
Forwarding from [::1]:8000 -> 80
Handling connection for 8000
Handling connection for 8000
^C(.devops) voclabs:~/environment/operationalise-ML (main) $ minikube stop
    Stopping node "minikube"  ...
    Powering off "minikube" via SSH ...
    1 node stopped.
(.devops) voclabs:~/environment/operationalise-ML (main) $
```

Showing another pod for demo

```
(.devops) voclabs:~/environment/operationalise-ML (main) $ ./run_kubernetes.sh
pod/udaprojnew created
NAME            READY   STATUS              RESTARTS          AGE
udaprojml       1/1     Running             1 (4m48s ago)     23m
udaprojnew      0/1     ContainerCreating   0                 1s
error: unable to forward port because pod is not running. Current status=Pending
(.devops) voclabs:~/environment/operationalise-ML (main) $
```

```
(.devops) voclabs:~/environment/operationalise-ML (main) $ kubectl get pods
NAME            READY   STATUS    RESTARTS        AGE
udaprojml       1/1     Running   1 (8m56s ago)   27m
udaprojnew      1/1     Running   0               4m9s
(.devops) voclabs:~/environment/operationalise-ML (main) $
```

```
(.devops) voclabs:~/environment/operationalise-ML (main) $ ./run_kubernetes.sh
Error from server (AlreadyExists): pods "udaprojnew" already exists
NAME            READY   STATUS    RESTARTS        AGE
udaprojml       1/1     Running   1 (9m29s ago)   27m
udaprojnew      1/1     Running   0               4m42s
Forwarding from 127.0.0.1:8000 -> 80
Forwarding from [::1]:8000 -> 80
```