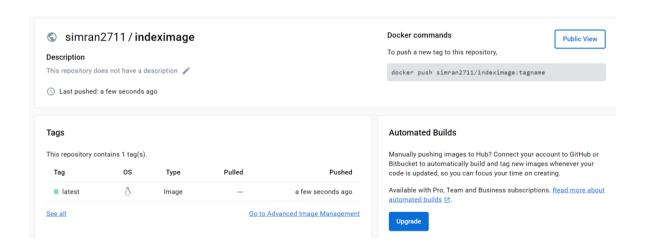
Project Deployment using Kubernetes

Python file

• Docker File

Requirements



```
PS C:\Users\User\Desktop\Docker> kubectl get pods
                                                                            STATUS
NAME
                                                            READY
                                                                                                                                              RESTARTS
                                                                                                                                                                      AGE
flask-6f4f9ffb76-m54fh
                                                                                                                                                                      3h10m
                                                            1/1
                                                                             Running
mysqldb-7ffffd74d4-zdc88 0/1 CreateContainerConfigError 0 3h10m
PS C:\Users\User\Desktop\Docker> kubectl run flask-6f4f9ffb76-m54fh --image==simran2711/indeximage:latest --port==5000
PS C:\Users\User\Desktop\Docker> kubectl run flask-of4f9ffb76-m54fh --image=-simran2711/indeximage:latest --port==5000 error: Invalid image name "=simran2711/docker:latest": invalid reference format

PS C:\Users\User\Desktop\Docker> kubectl run flask-of4f9ffb76-m54fh --image==simran2711/docker:latest --port==5000 error: Invalid image name "=simran2711/docker:latest": invalid reference format

PS C:\Users\User\Desktop\Docker> kubectl run flask-of4f9ffb76-m54fh --image=simran2711/docker:latest --port==5000 error: strconv.Atoi: parsing "=5000": invalid syntax
PS C:\User\Desktop\Docker> kubectl run flask-6f4f9ffb76-m54fh --image=simran2711/docker:latest --port=5000 Error from server (AlreadyExists): pods "flask-6f4f9ffb76-m54fh" already exists

PS C:\Users\User\Desktop\Docker> kubectl run pod1 --image==simran2711/docker:latest --port=5000 error: Invalid image name "=simran2711/docker:latest": invalid reference format
PS C:\Users\User\Desktop\Docker> kubectl run pod1 --image=simran2711/docker:latest --port=5000
pod/pod1 created
PS C:\Users\User\Desktop\Docker> kubectl get pods
NAME READY STATUS
                                                                                                                                             RESTARTS AGE
```

```
PS C:\Users\User\Desktop\Docker> kubectl get pods

NAME

Flask-6f4f9ffb76-m54fh

1/1 Running

0 3h15m

mysqldb-7ffffd7d4-zdc88

0/1 CresteContainerConfigErro

0 3h14m

pod1

9/1 ContainerCreating

0 9s

PS C:\Users\User\Desktop\Docker> kubectl expose pod pod1 --name=pod1svc --port=5000

service/pod1svc exposed

PS C:\Users\User\Desktop\Docker> kubectl get svc

NAME

TYPE

CLUSTER-IP

EXTERNAL-IP

FORT(S)

AGE

Kubernetes ClusterIP

10.966.09.243

(none)

433/TCP

43h

mysql

ClusterIP

10.186.20.243

(none)

3306/TCP

31h5m

pod1svc

ClusterIP

10.1106.20.243

(none)

5000/TCP

31h9m

PS C:\Users\User\Desktop\Docker> kubectl

pod1svc

ClusterIP

10.1106.20.243

(none)

5000/TCP

31h9m

PS C:\Users\User\Desktop\Docker> kubectl

prt-forward service/pod1svc

5000/TCP

3000/TCP

3000/TCP
```