Deploymnet of App in IBM

Deploy in Kubernetes Cluster

Date	8 November 2022
Team ID	PNT2022TMID13483
Project Name	Inventory Managment System for Retailers

Deploy in Kubernetes Cluster

```
# Please edit the object below. Lines beginning with a '#' will be ignored,
# and an empty file will abort the edit. If an error occurs while saving this file wil
# reopened with the relevant failures.
#
apiVersion: apps/v1
kind: Deployment
metadata:
  annotations:
    deployment.kubernetes.io/revision: "1"
    kubectl.kubernetes.io/last-applied-configuration: |
      {"apiVersion":"apps/v1","kind":"Deployment","metadata":{"annotations":{},"name":
eployment-nautilus","namespace":"default"},"spec":{"replicas":1,"selector":{"matchLabe
":"python_app"}},"template":{"metadata":{"labels":{"app":"python_app"}},"spec":{"conta
"image":"poroko/flask-app-demo","name":"python-container-nautilus","ports":[{"containe
00}]}]}}}}
  creationTimestamp: "2021-09-10T16:02:11Z"
  generation: 1
  name: python-deployment-nautilus
  namespace: default
  resourceVersion: "3959"
  uid: 177c6c69-ff69-4af5-8f8b-bdcbd55281f1
spec:
  progressDeadlineSeconds: 600
  replicas: 1
  revisionHistoryLimit: 10
  selector:
    matchLabels:
      app: python_app
  strategy:
```

```
  creationTimestamp: "2021-09-10T16:02:11Z"
  generation: 1
  name: python-deployment-nautilus
  namespace: default
  resourceVersion: "3959"
  uid: 177c6c69-ff69-4af5-8f8b-bdcbd55281f1
spec:
  progressDeadlineSeconds: 600
  replicas: 1
  revisionHistoryLimit: 10
  selector:
    matchLabels:
      app: python_app
  strategy:
    rollingUpdate:
      maxSurge: 25%
      maxUnavailable: 25%
    type: RollingUpdate
  template:
    metadata:
      creationTimestamp: null
      labels:
        app: python_app
    spec:
      containers:
      - image: poroko/flask-demo-app
        imagePullPolicy: Always
        name: python-container-nautilus
        ports:
```

```
thor@jump_host ~$ kubectl get deploy
NAME                        READY   UP-TO-DATE   AVAILABLE   AGE
python-deployment-nautilus  1/1     1            1           4m23s
thor@jump_host ~$
thor@jump_host ~$ kubectl get pods
NAME                                         READY   STATUS    RESTARTS   AGE
python-deployment-nautilus-767b6d4c9b-znb7m  1/1     Running   0          76s
thor@jump_host ~$
thor@jump_host ~$ kubectl edit svc
service/kubernetes skipped
service/python-service-nautilus edited
thor@jump_host ~$
thor@jump_host ~$ kubectl get svc
NAME                     TYPE        CLUSTER-IP     EXTERNAL-IP   PORT(S)          AGE
kubernetes               ClusterIP   10.96.0.1      <none>        443/TCP          39m
python-service-nautilus  NodePort    10.96.40.136   <none>        5000:32345/TCP   5m42s
thor@jump_host ~$
```