

Deploy in Kubernetes Cluster

TEAM ID

PNT2022TMID27084

PROJECT NAME

SMART FASHION RECOMMENDER

Overview

Worker nodes

Worker pools

DevOps **New**

Pool: Filter... Search

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
000000cb	Normal	default	Milan 01	10.144.217.226	159.122.179.156	1.24.7_1543

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Login

Register

```
Administrator: Command Prompt

C:\Users\Nithi\Downloads>kubectl config current-context
mycluster/cdn0nra0e1911fiv2g

C:\Users\Nithi\Downloads>kubectl apply -f kubernetes/ibm_deployment.yaml
error: the path "kubernetes/ibm_deployment.yaml" does not exist

C:\Users\Nithi\Downloads>kubectl apply -f kubernetes/ibm_deployment.yaml
deployment.apps/flask-app created

C:\Users\Nithi\Downloads>kubectl apply -f kubernetes/flask_service.yaml
service/flask-app-service created

C:\Users\Nithi\Downloads>kubectl apply -f kubernetes/flask_ingress.yaml
ingress.networking.k8s.io/flask-app-ingress created

C:\Users\Nithi\Downloads>kubectl get ing
NAME          CLASS  HOSTS          ADDRESS          PORTS          AGE
flask-app-ingress  <none>  *              10.144.217.226  80             16s

C:\Users\Nithi\Downloads>kubectl get svc
NAME          TYPE          CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
flask-app-service  ClusterIP    172.21.241.30   <none>            5000/TCP          17s
kubernetes        ClusterIP    172.21.0.1      <none>            443/TCP           3223h

C:\Users\Nithi\Downloads>kubectl get nodes -o wide
NAME          STATUS    ROLES          AGE           VERSION          INTERNAL-IP      EXTERNAL-IP      OS-IMAGE          KERNEL-VERSION      CONTAINER-RUNTIME
10.144.217.226  Ready     <none>          3223h        v1.24.7-iks      10.144.217.226   159.122.179.156   Ubuntu 18.04.6 LTS 4.15.0-194-generic  containerd://1.6.8

C:\Users\Nithi\Downloads>kubectl expose deployment flask-app --type=NodePort --name=flask-app
service/flask-app exposed

C:\Users\Nithi\Downloads>kubectl expose deployment flask-app --type=NodePort --name=testingpage1
service/testingpage1 exposed

C:\Users\Nithi\Downloads>kubectl get svc
NAME          TYPE          CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
flask-app     NodePort      172.21.189.138   <none>            5000/TCP          87s
flask-app-service  ClusterIP    172.21.241.30   <none>            5000/TCP          2627s
kubernetes     ClusterIP    172.21.0.1      <none>            443/TCP           3223h
testingpage1   NodePort      172.21.217.64   <none>            5000/30428/TCP   30s
```