**KUBERNETS**

**i)**[**dashboard-adminuser.yaml**](https://github.com/IBM-EPBL/IBM-Project-7946-1658903749/blob/main/Project%20Development%20Phase/Sprint%204/Source%20Code/kubernetes/dashboard-adminuser.yaml)

apiVersion: v1

kind: ServiceAccount

metadata:

name: admin-user

namespace: kubernetes-dashboard

---

apiVersion: v1

kind: Secret

metadata:

name: admin-user-token

namespace: kubernetes-dashboard

annotations:

kubernetes.io/service-account.name: admin-user

type: kubernetes.io/service-account-token

---

apiVersion: rbac.authorization.k8s.io/v1

kind: ClusterRoleBinding

metadata:

name: admin-user

roleRef:

apiGroup: rbac.authorization.k8s.io

kind: ClusterRole

name: cluster-admin

subjects:

- kind: ServiceAccount

name: admin-user

namespace: kubernetes-dashboard

ii)[**flask\_deployment.yaml**](https://github.com/IBM-EPBL/IBM-Project-7946-1658903749/blob/main/Project%20Development%20Phase/Sprint%204/Source%20Code/kubernetes/flask_deployment.yaml)

apiVersion: apps/v1

kind: Deployment

metadata:

name: phase-finallist

spec:

replicas: 3

selector:

matchLabels:

app: phase-finallist

template:

metadata:

labels:

app: phase-finallist

spec:

containers:

- name: finaldeliverable

image: rajkiranss/finaldeliverable

imagePullPolicy: Never

ports:

- containerPort: 5000

protocol: TCP

iii)[**Flask\_ingress.yaml**](https://github.com/IBM-EPBL/IBM-Project-7946-1658903749/blob/main/Project%20Development%20Phase/Sprint%204/Source%20Code/kubernetes/flask_ingress.yaml)

apiVersion: networking.k8s.io/v1

kind: Ingress

metadata:

name: flask-app-ingress

annotations:

kubernetes.io/ingress.class: nginx

nginx.ingress.kubernetes.io/ssl-redirect: "false"

spec:

# ingressClassName: nginx

rules:

- http:

paths:

- backend:

service:

name: phase-finallist

port:

number: 5000

path: /

pathType: Prefix

apiVersion: networking.k8s.io/v1

kind: Ingress

metadata:

name: flask-app-ingress

annotations:

kubernetes.io/ingress.class: nginx

nginx.ingress.kubernetes.io/ssl-redirect: "false"

spec:

# ingressClassName: nginx

rules:

- http:

paths:

- backend:

service:

name: phase-finallist

port:

number: 5000

path: /

pathType: Prefix

**IV)**[**Flask\_service.yaml**](https://github.com/IBM-EPBL/IBM-Project-7946-1658903749/blob/main/Project%20Development%20Phase/Sprint%204/Source%20Code/kubernetes/flask_service.yaml)

apiVersion: v1

kind: Service

metadata:

name: phase-finallist

spec:

type: ClusterIP

ports:

- port: 5000

selector:

app: app-flask-deliverables

V)[Ibm\_deployment.yaml](https://github.com/IBM-EPBL/IBM-Project-7946-1658903749/blob/main/Project%20Development%20Phase/Sprint%204/Source%20Code/kubernetes/ibm_deployment.yaml)

apiVersion: apps/v1

kind: Deployment

metadata:

name: phase-finallist

spec:

replicas: 3

selector:

matchLabels:

app: phase-finallist

template:

metadata:

labels:

app: phase-finallist

spec:

containers:

- name: finaldeliver

image: jp.icr.io/finaldeliverable/finaldeliver

imagePullPolicy: Always

ports:

- containerPort: 5000

protocol: TCP