Kubernetes - 5

You have been asked to:

- Use the previous deployment
- Deploy an nginx deployment of 3 replicas
- Create an nginx service of type clusterip
- Create an ingress service /apache to apache service /nginx to nginx service

1) To deploy an Nginx deployment with 3 replicas, create a file named nginx-deployment.yaml with the following content:

apiVersion: apps/v1 kind: Deployment metadata: name: nginx-deployment spec: replicas: 3 selector: matchLabels: app: nginx template: metadata: labels: app: nginx spec: containers: - name: nginx image: nginx:latest ports:

- containerPort: 80

2) To create an Nginx service of type ClusterIP, create a file named nginx-service.yaml with the following content:

apiVersion: v1 kind: Service metadata: name: nginx-service spec: selector: app: nginx ports: - name: http

port: 80 targetPort: 80

type: ClusterIP

3) To create an ingress that routes traffic to /apache to an Apache service and traffic to /nginx to the Nginx service, create a file named ingress.yaml with the following content:

```
apiVersion: networking.k8s.io/v1
kind: Ingress
metadata:
 name: my-ingress
 annotations:
  nginx.ingress.kubernetes.io/rewrite-target:/
spec:
 rules:
 - http:
   paths:
   - path: /apache
    pathType: Prefix
    backend:
     service:
      name: apache-service
      port:
        name: http
   - path: /nginx
    pathType: Prefix
    backend:
     service:
      name: nginx-service
      port:
        name: http
```



