apiVersion: apps/v1

kind: Deployment

metadata:

name: frontend-app

spec:

replicas: 3 # Number of desired replicas

selector:

matchLabels:

app: frontend-app

template:

metadata:

labels:

app: frontend-app

spec:

containers:

- name: frontend-container

image: your-frontend-image:latest # Replace with your frontend Docker image

ports:

- containerPort: 80 # Port your frontend application listens on

---

apiVersion: v1

kind: Service

metadata:

name: frontend-service

spec:

selector:

app: frontend-app

ports:

- protocol: TCP

port: 80 # Port for the service

targetPort: 80 # Port your frontend application listens on

type: LoadBalancer # Type of service (LoadBalancer, NodePort, etc.)

# networking

apiVersion: networking.k8s.io/v1

kind: NetworkPolicy

metadata:

name: allow-same-app

spec:

podSelector:

matchLabels:

app: myapp

ingress:

- from:

- podSelector:

matchLabels:

app: myapp

#run the command

kubectl apply -f your-policy-file.yaml