**Lesson 6 Demo 8**

**Working with Network Policy Resources**



Steps to be followed:

1. Creating a new network policy

**Step 1: Creating a new network policy**

1. Create a network policy configuration file using the following command:

***vi networkpolicy.yaml***



1. Add the following code to the file created:

***apiVersion: networking.k8s.io/v1***

***kind: NetworkPolicy***

***metadata:***

***name: test-network-policy***

***namespace: default***

***spec:***

***podSelector:***

***matchLabels:***

***role: db***

***policyTypes:***

***- Ingress***

***- Egress***

***ingress:***

***- from:***

***- ipBlock:***

***cidr: 172.17.0.0/16***

***except:***

***- 172.17.1.0/24***

***- namespaceSelector:***

***matchLabels:***

***project: myproject***

***- podSelector:***

***matchLabels:***

***role: frontend***

***ports:***

***- protocol: TCP***

***port: 6379***

***egress:***

***- to:***

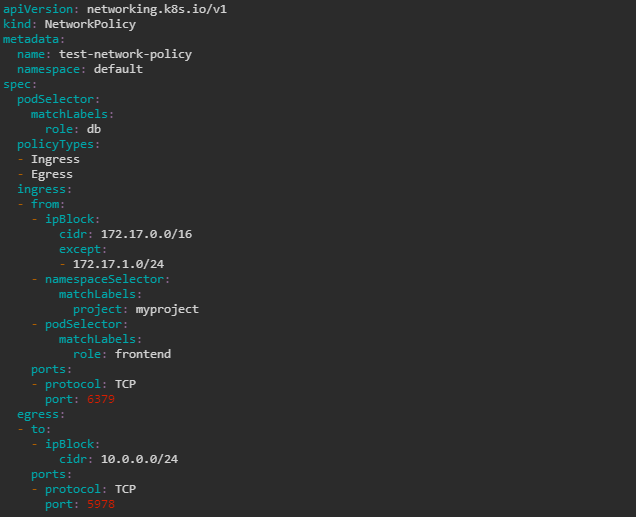
***- ipBlock:***

***cidr: 10.0.0.0/24***

***ports:***

***- protocol: TCP***

***port: 5978***



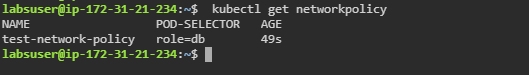
1. Create the resource using the following command:

***kubectl apply -f networkpolicy.yaml***



1. Use the following command to check the newly created network policy:

***kubectl get networkpolicy***



1. Describe the network policy using the below command:

***kubectl describe networkpolicy test-network-policy***

