

[30] Network Policy

Each Pod can connect to any Pod.

Network Policy with Namespaces

- Create a new Network Policy named allowed-port-from-namespace in the existing namespace devops.
- Ensure that the new Network Policy allows pods in namespace migops to connect to port 80 of pods in namespace devops



```
# docs: NetworkPolicy The NetworkPolicy resource
vi allow-port-from-namespace.yaml

apiVersion: networking.k8s.io/v1
kind: NetworkPolicy
metadata:
  name: allowed-port-from-namespace
  namespace: devops
spec:
  podSelector:
    matchLabels:
      app: web
  # namespace devops pod
  policyTypes:
    - Ingress
  ingress:
    - from:
        - namespaceSelector:
            matchLabels:
              team: migops
  # migops namespace
```

```
ports:
  - protocol: TCP
    port: 80
```

```
:wq
```

```
kubectl apply -f allow-port-from-namespace.yaml
kubectl get networkpolicies -n devops allow-port-from-namespace
```

Task (46)

Task Create a new NetworkPolicy named allow-port-from-namespace in the existing namespace echo. Ensure that the new NetworkPolicy allows Pods in namespace my-app to connect to port 9000 of Pods in namespace echo. Further ensure that the new NetworkPolicy:

- does not allow access to Pods, which don't listen on port 9000
- does not allow access from Pods, which are not in namespace my-app
- `//`.

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