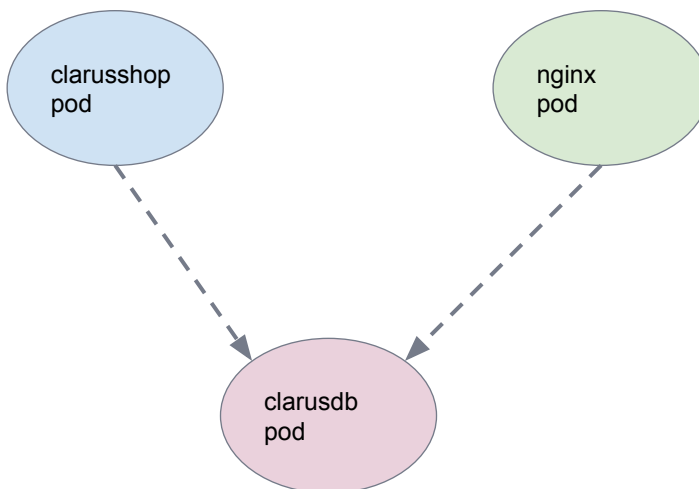




# Network Policies

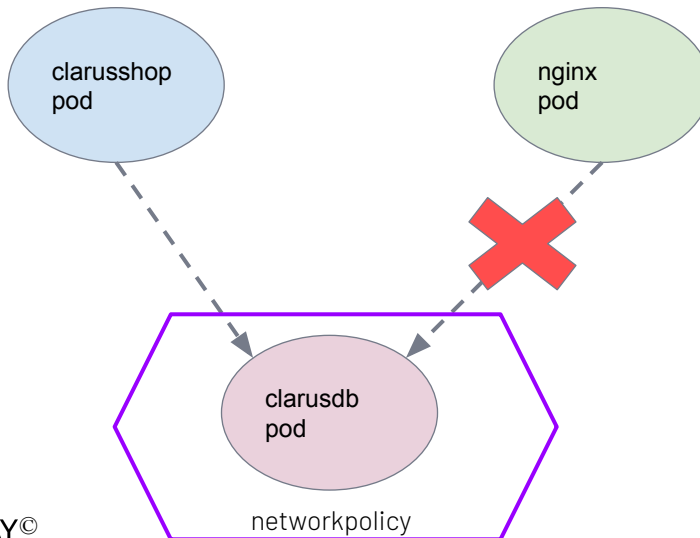


# Network Policies





## Network Policies



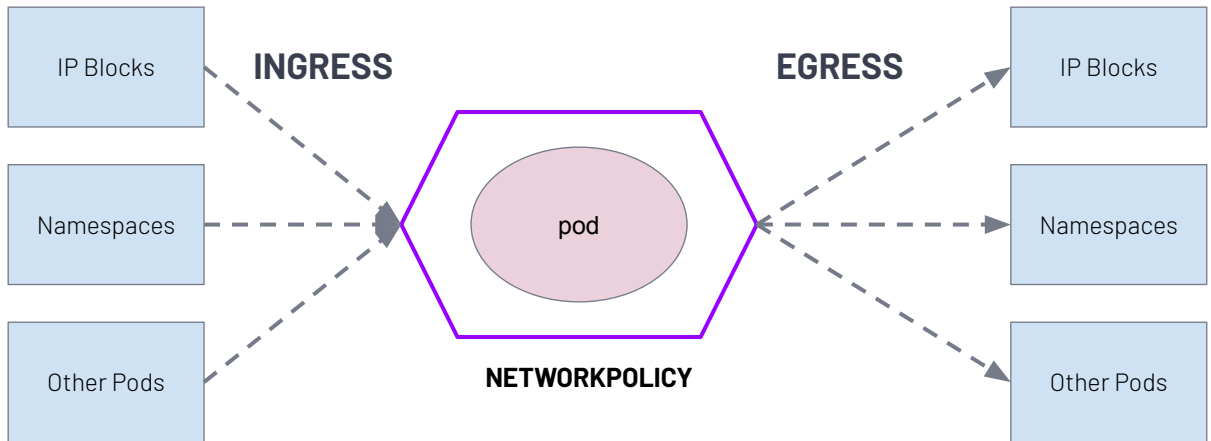
## Network Policies

The entities that a Pod can communicate with are identified through a combination of the following 3 identifiers:

1. Other pods that are allowed (exception: a pod cannot block access to itself)
2. Namespaces that are allowed
3. IP blocks



# Network Policies

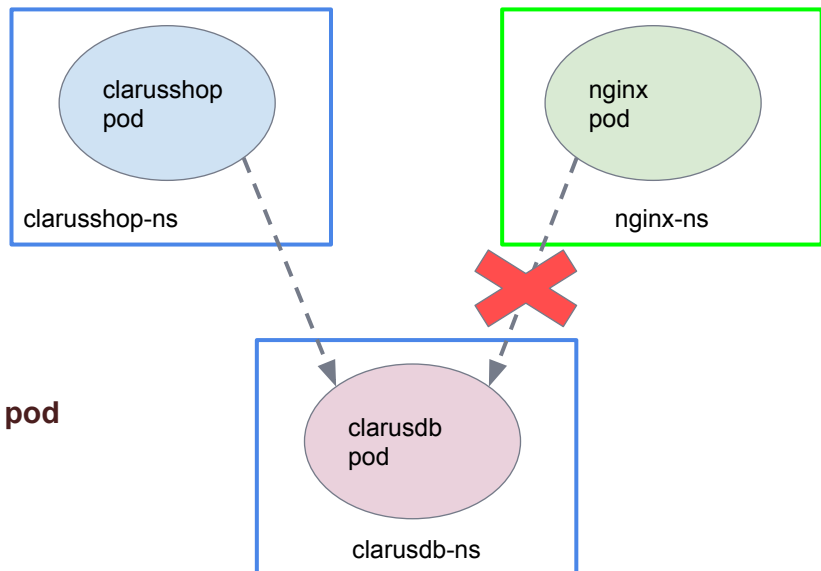


# Hands-on

There are 3 namespaces.

- clarusshop-ns
- nginx-ns
- clarusdb-ns

Our aim is just to allow communication to the **clarusdb-pod** from **any pod in the clarusshop-ns namespace**.





# Hands-on

```
apiVersion: networking.k8s.io/v1
kind: NetworkPolicy
metadata:
  name: test-network-policy
  namespace: clarusdb-ns
spec:
  podSelector:
    matchLabels:
      db: clarusdb
  policyTypes:
    - Ingress
  ingress:
    - from:
        - namespaceSelector:
            matchLabels:
              kubernetes.io/metadata.name: clarusshop-ns
      ports:
        - protocol: TCP
          port: 80
```



# THANKS!

