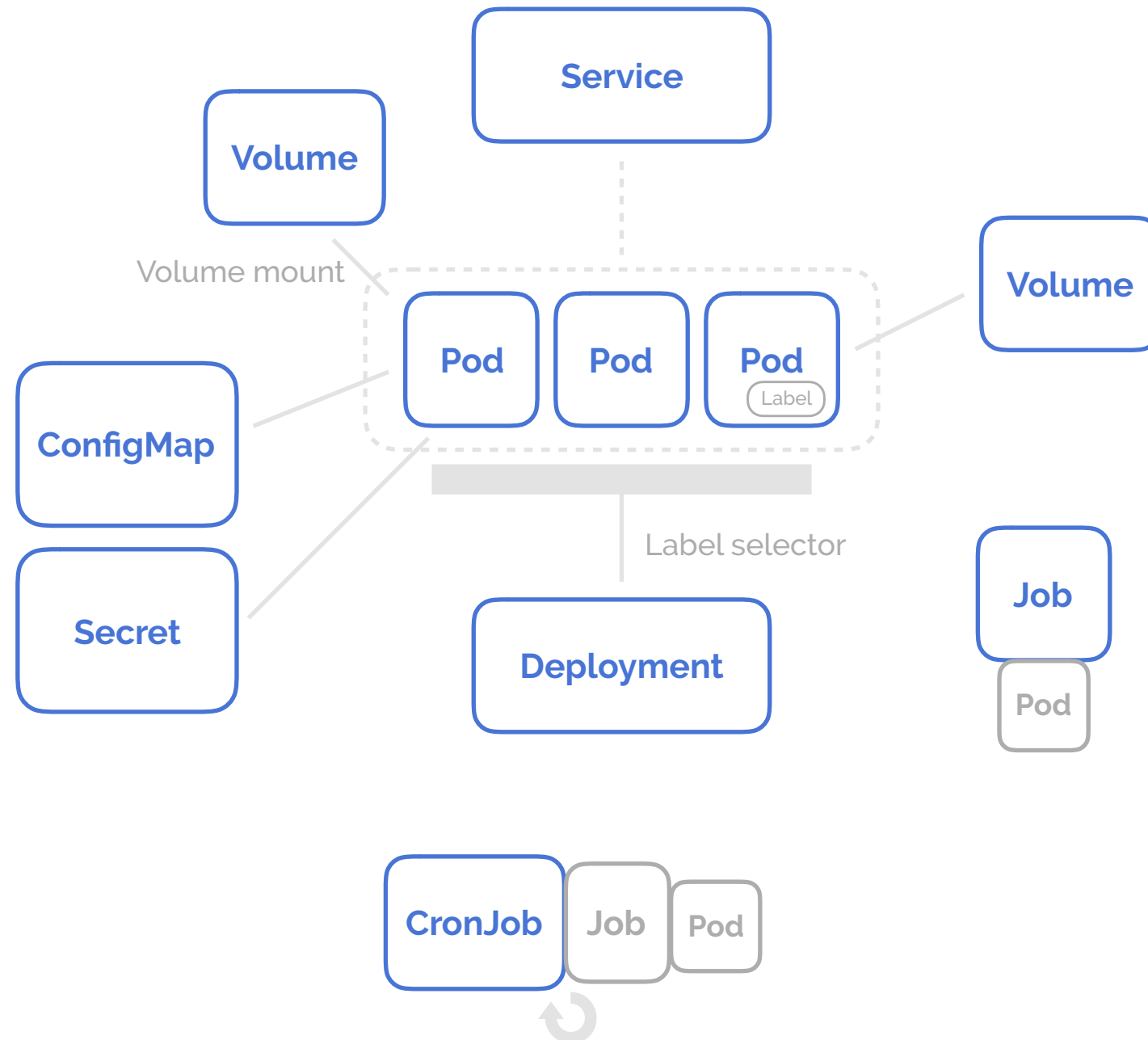
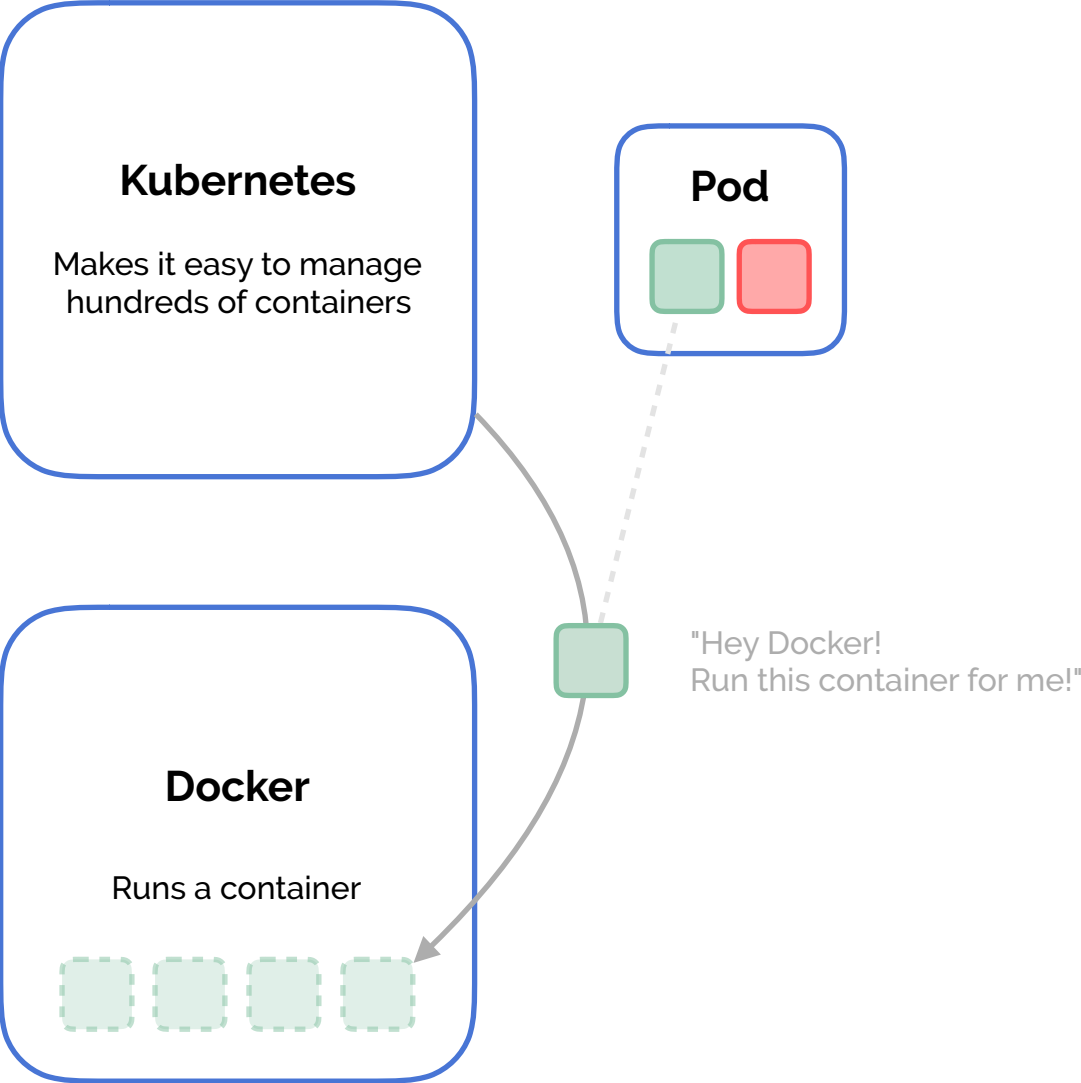
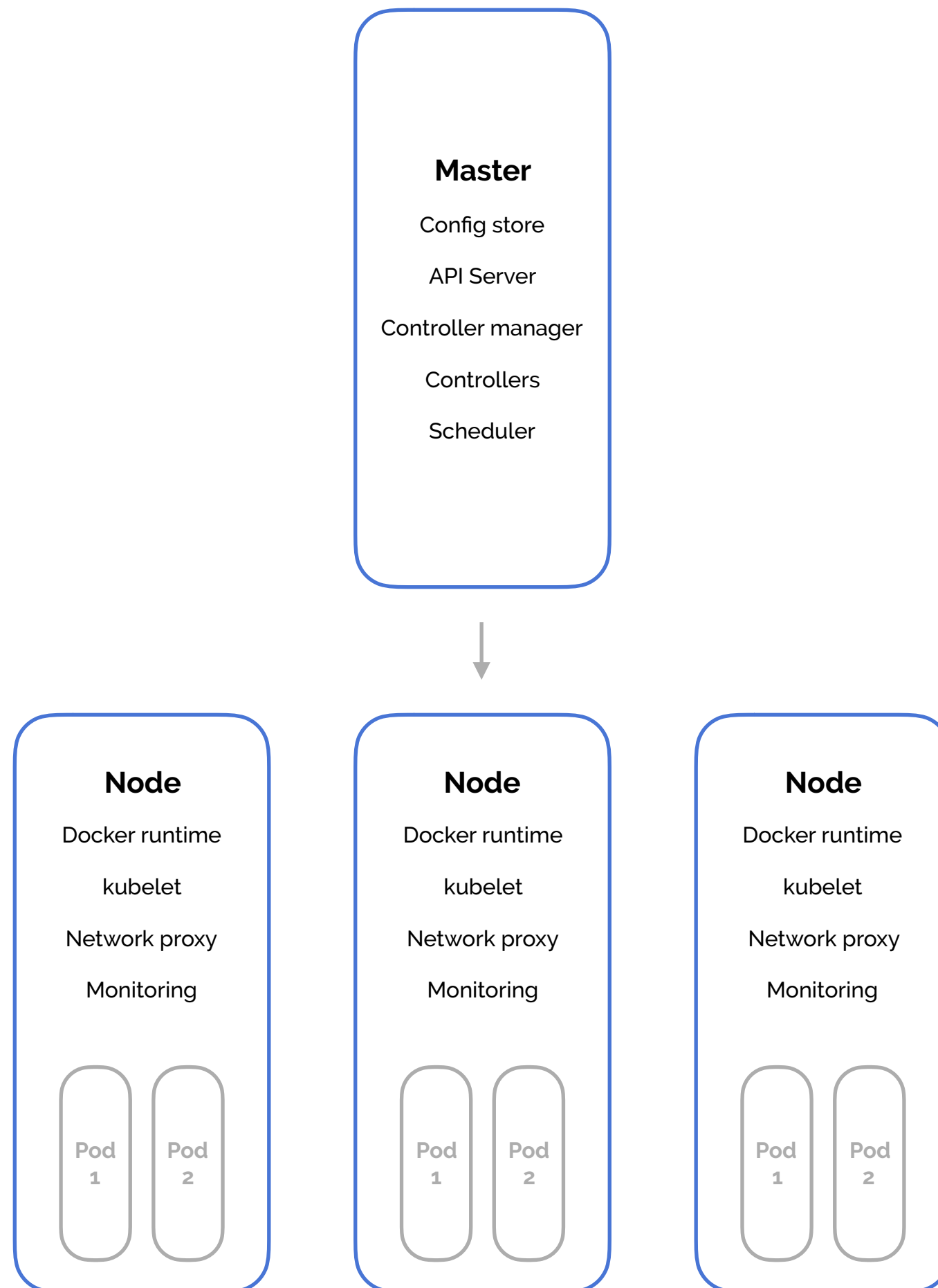


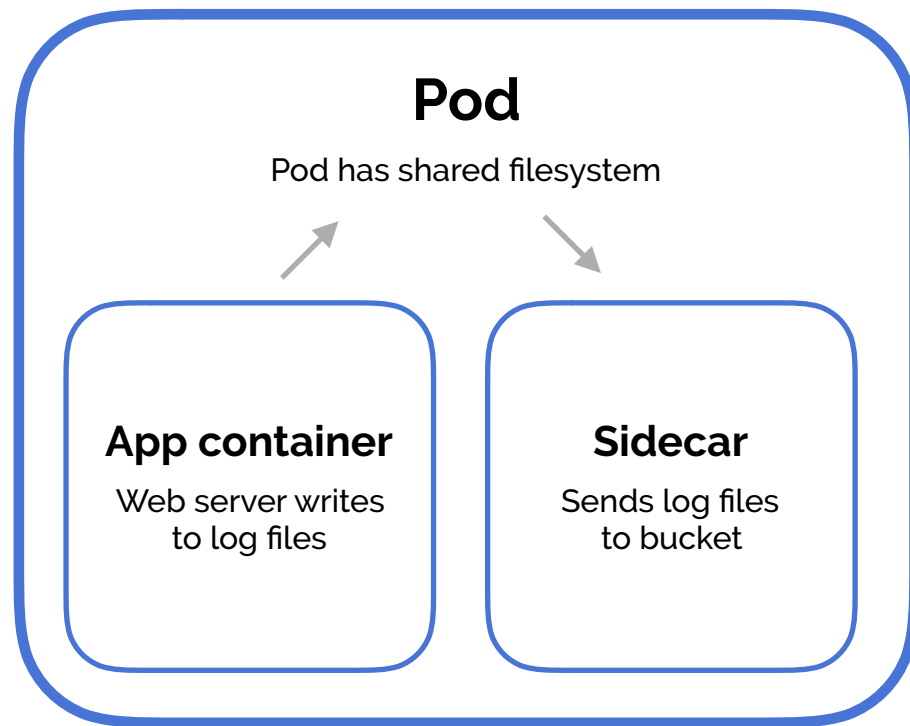
Namespace



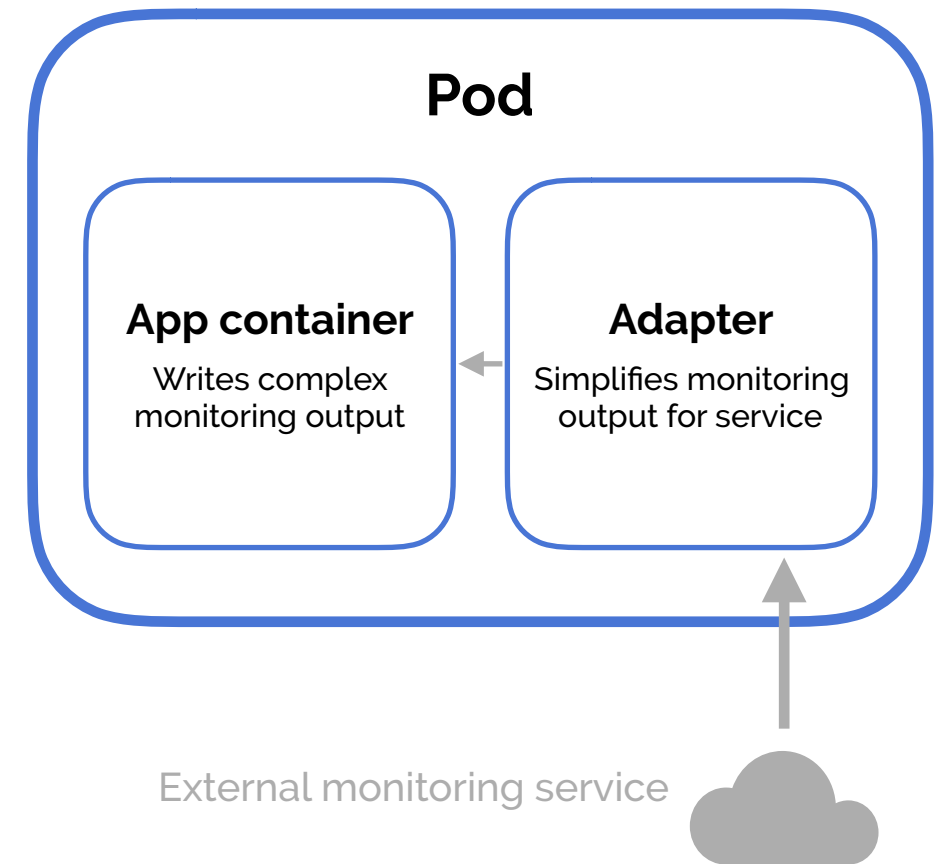




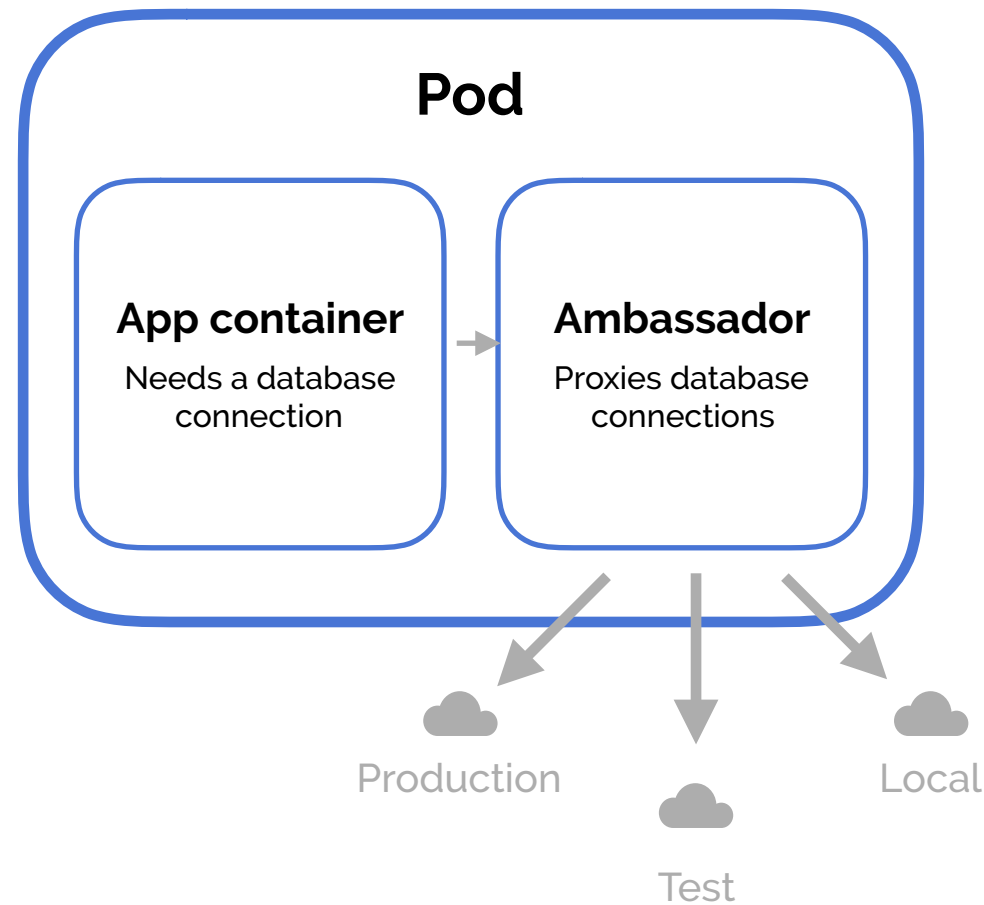
Sidecar



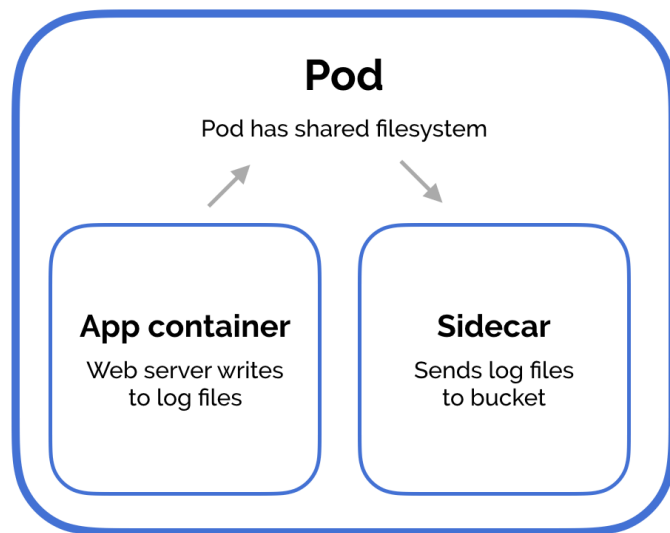
Adapter



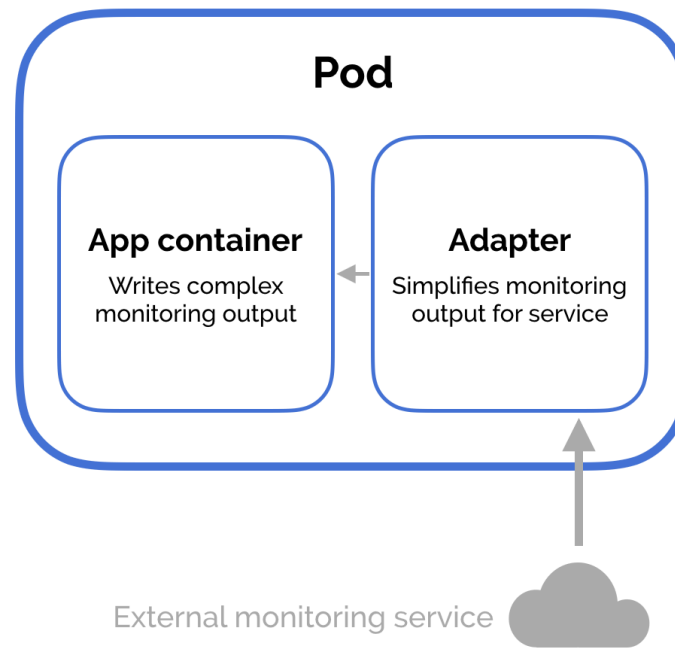
Ambassador



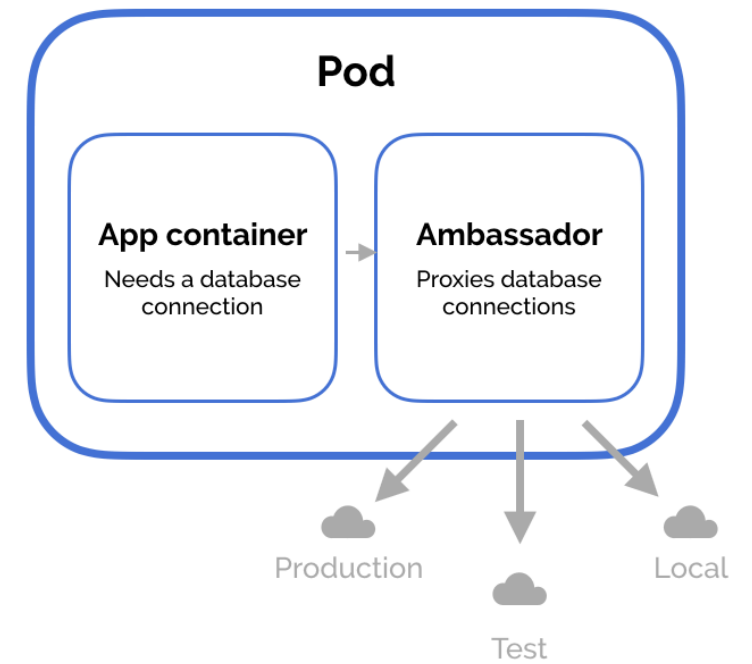
Sidecar

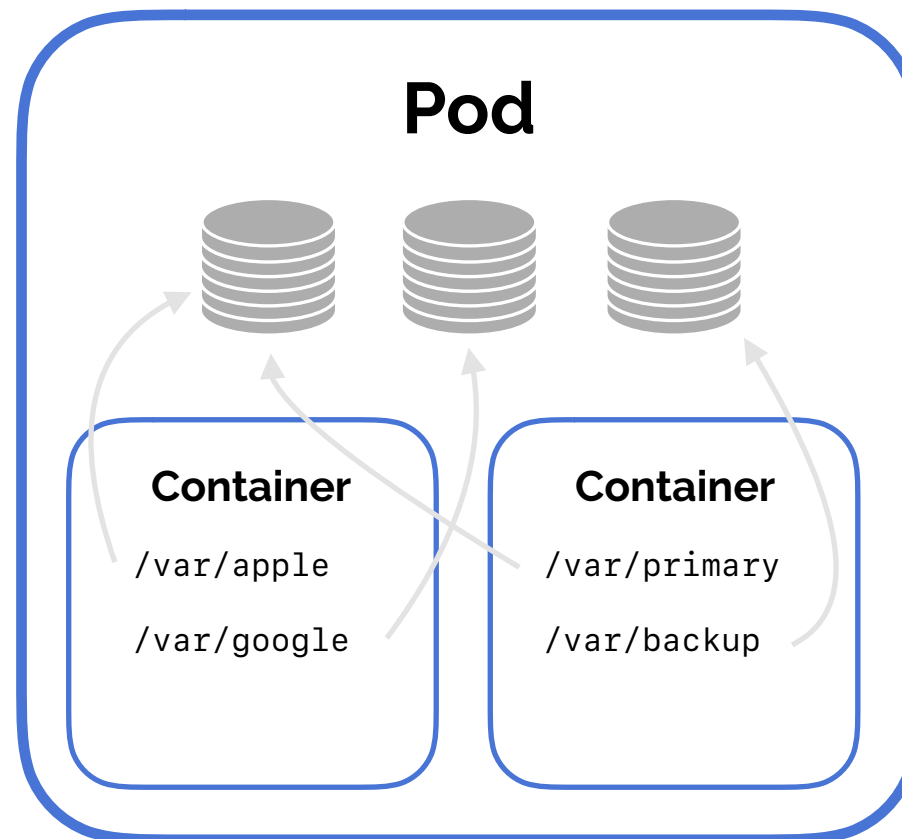


Adapter



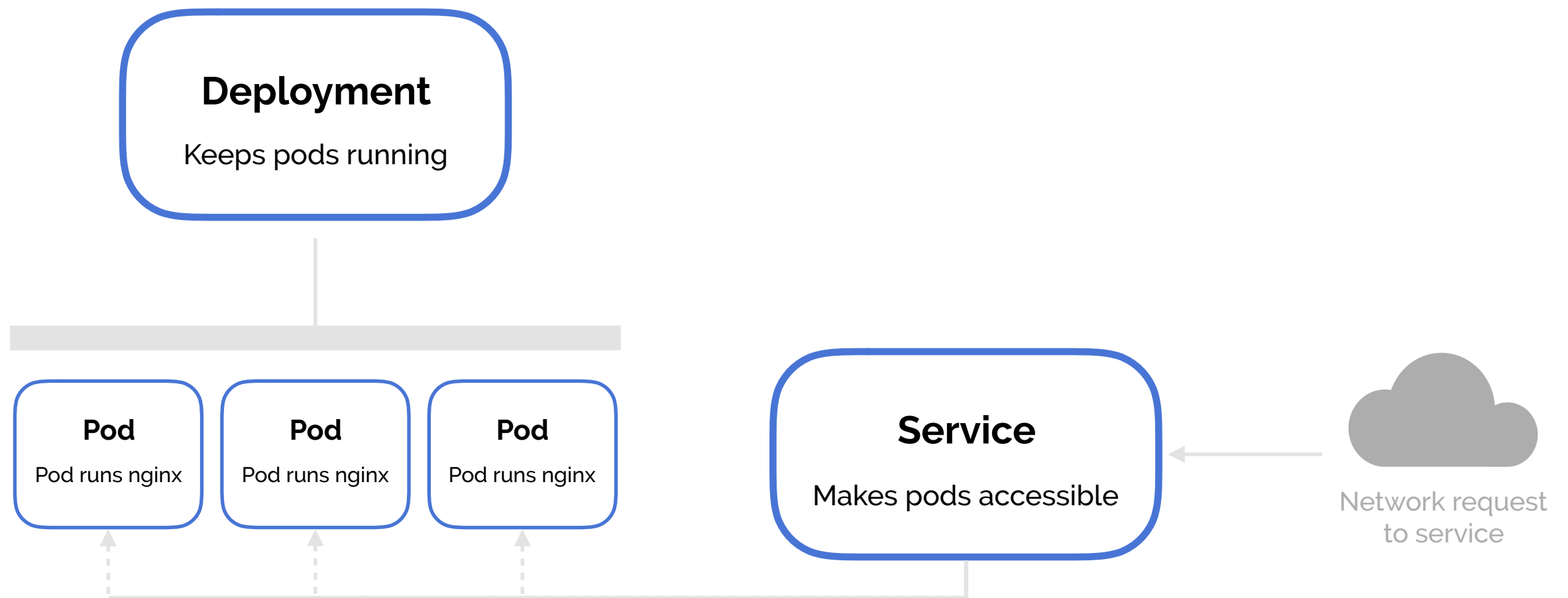
Ambassador





Volumes in **pod**
Defined in `pod.spec.volumes` field

Volume mounts in **container**
Defined in
`pod.spec.containers.volumeMounts`
Uses one of the volumes





Network request
to service

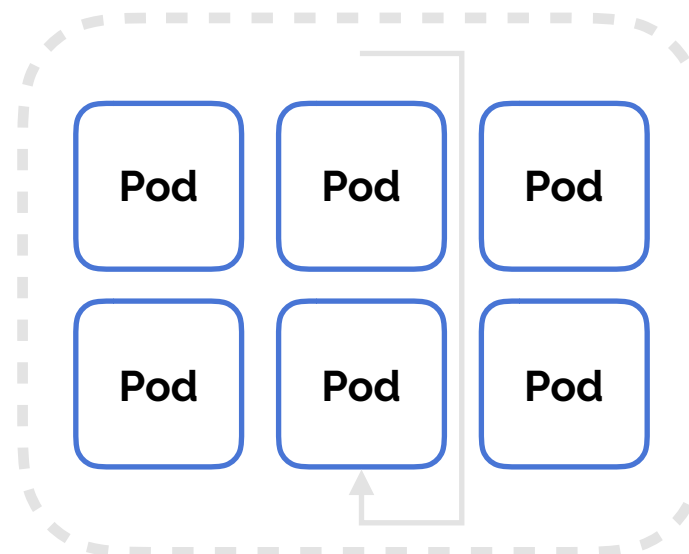


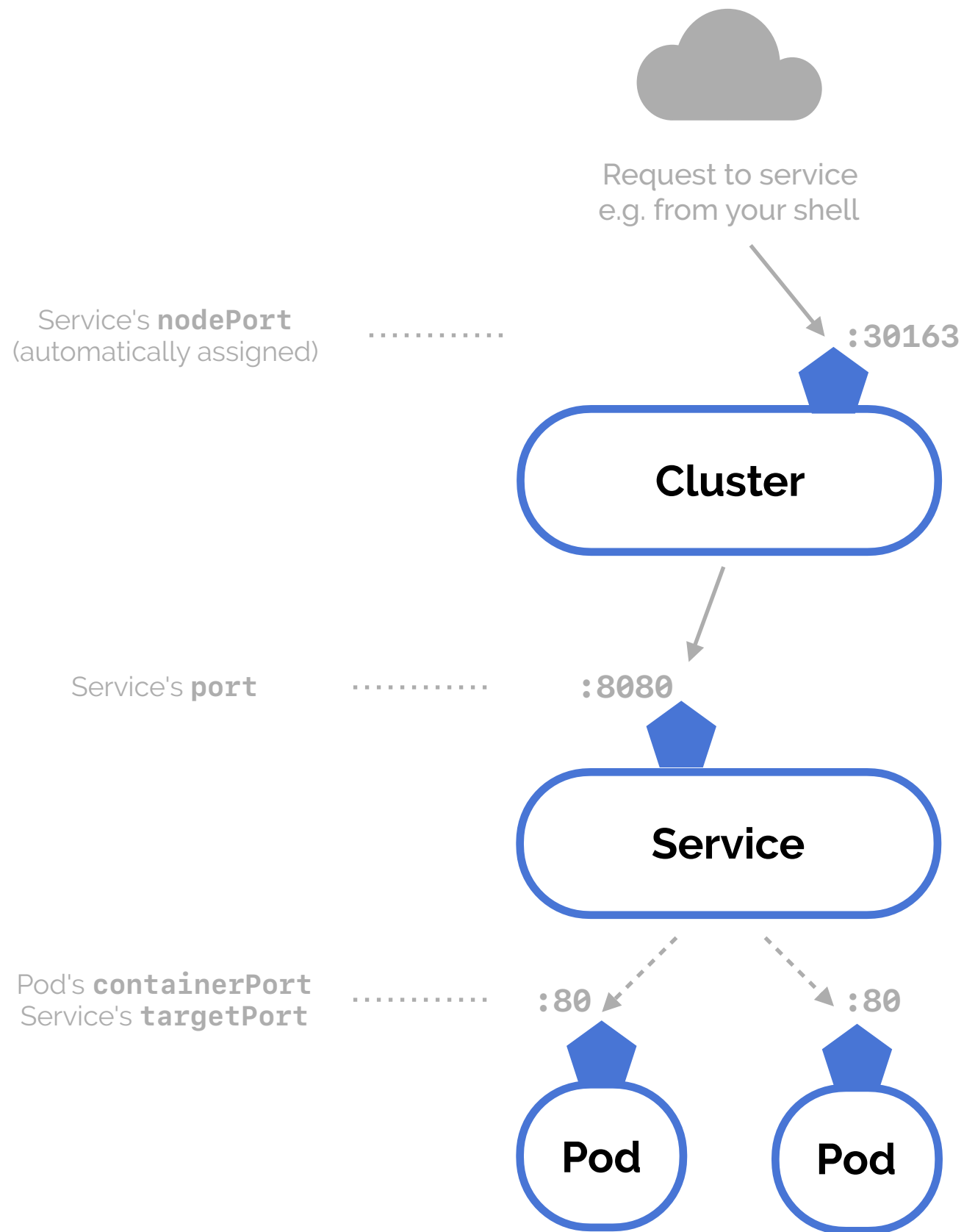
Service

Forward network request
to a pod matching the selector



"select pod where
label = abc;"





Cluster

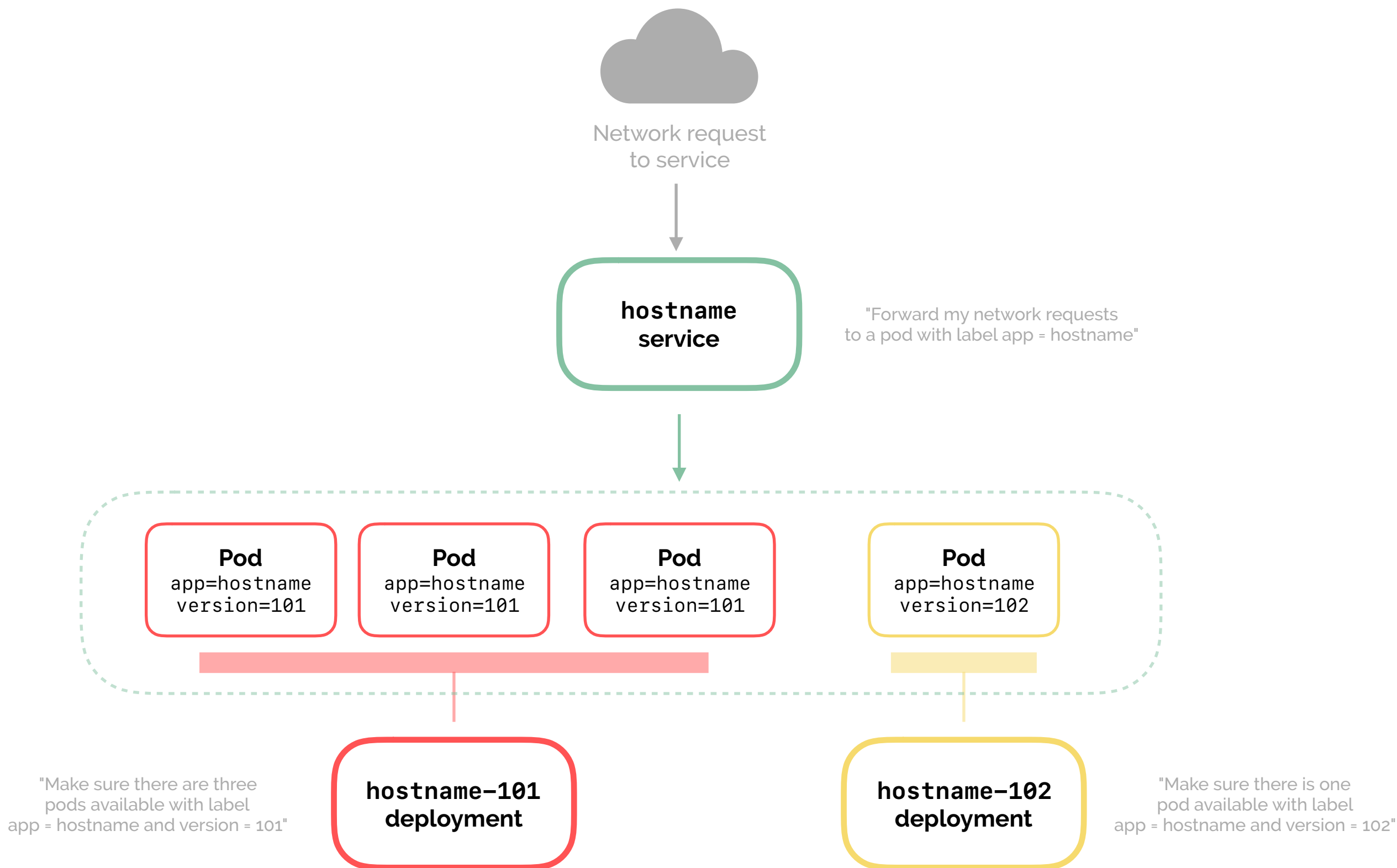
- Access via cluster's IP address or domain name, e.g. 192.168.99.100
- Cluster port available because service is of type NodePort

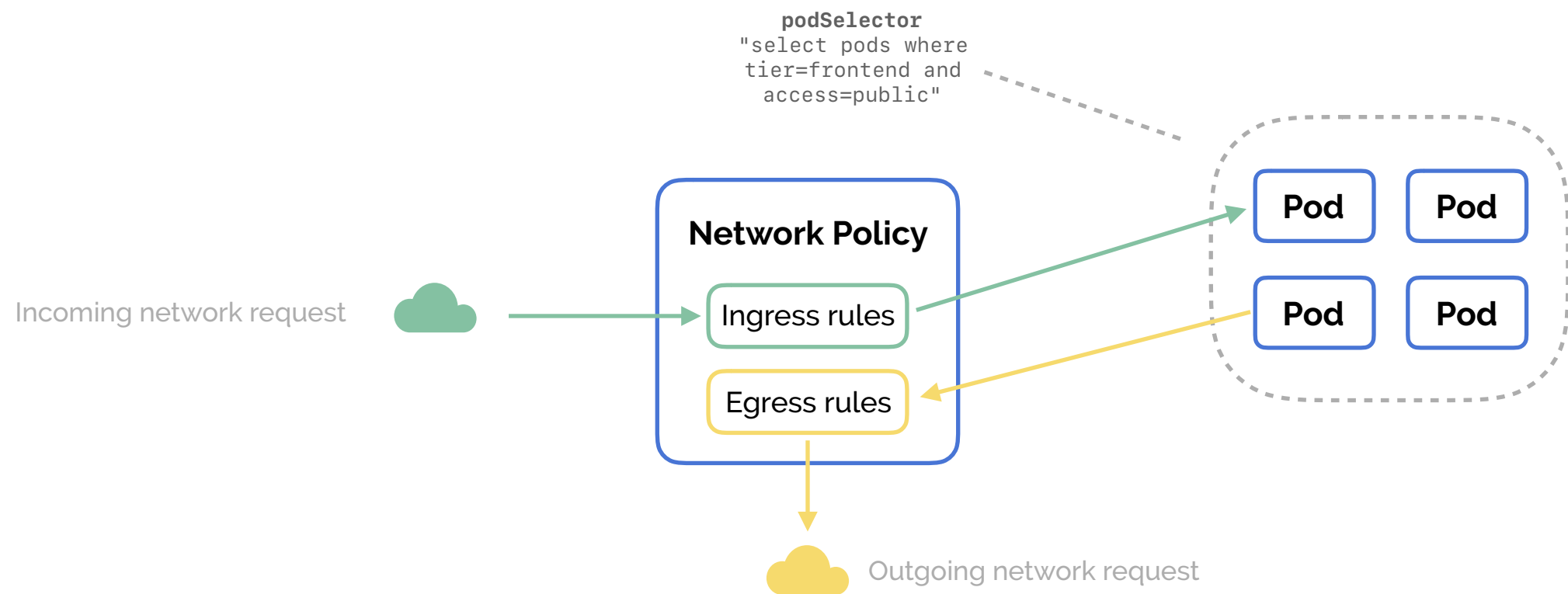
Service

- Access only within the cluster via the service's clusterIP
- Available at 10.100.213:8080 or hostname-service.default:8080
- Service exposes port 8080, targets pod port 80

Pod

- Access via the pod's IP address inside the cluster
- Pod exposes port 80 (which nginx uses by default)





Kubernetes cluster cross-team

Nodes



User Accounts



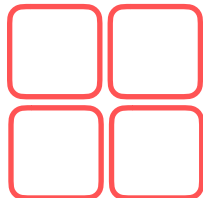
Namespace red-team

Service
Accounts

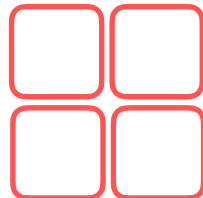


Resource Quota

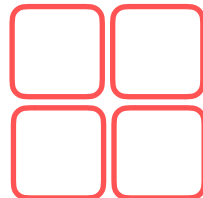
Pods



Services



Deployments

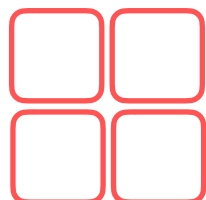


Configuration

ConfigMaps

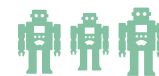
Secrets

Volumes



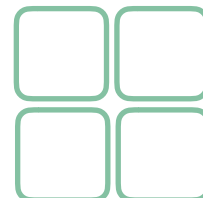
Namespace green-team

Service
Accounts

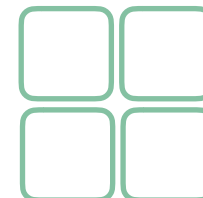


Resource Quota

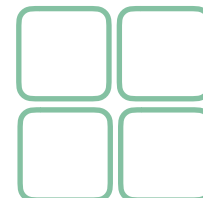
Pods



Services



Deployments



Configuration

ConfigMaps

Secrets

Volumes

