

Resources grouped in Namespaces



Kubernetes Cluster



Database



Monitoring



Elastic Stack



Nginx-Ingress



Kubernetes Cluster



kube-system



kube-public



kube-node-lease



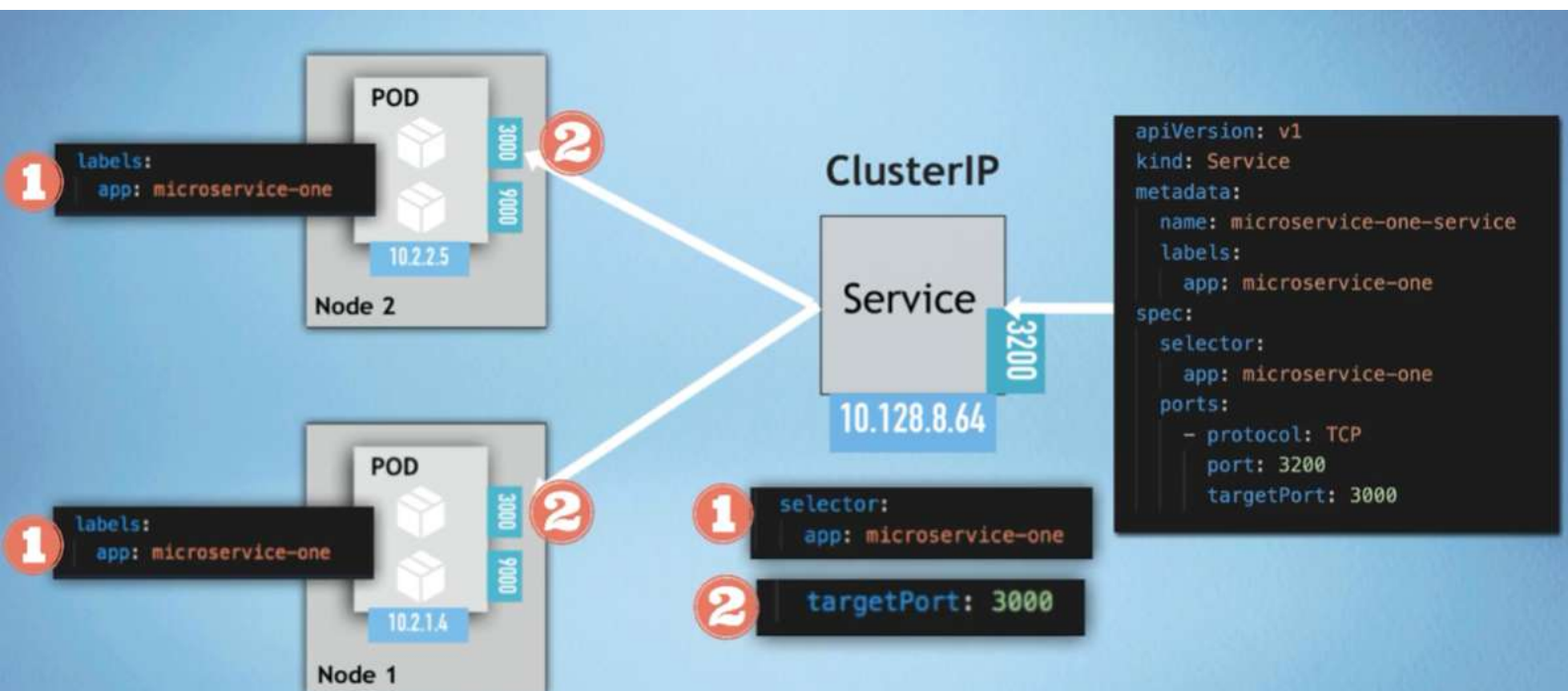
default



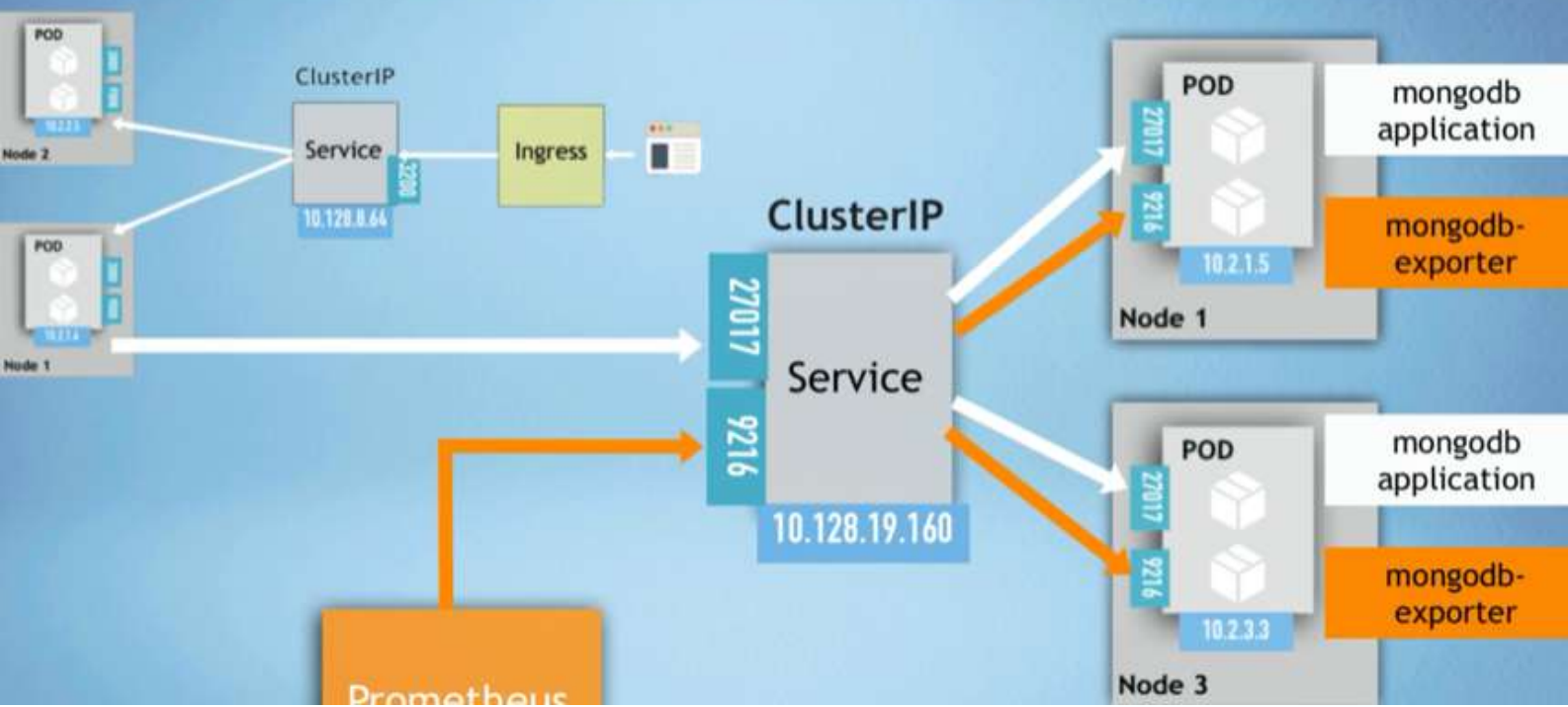


Use Cases when to use Namespaces

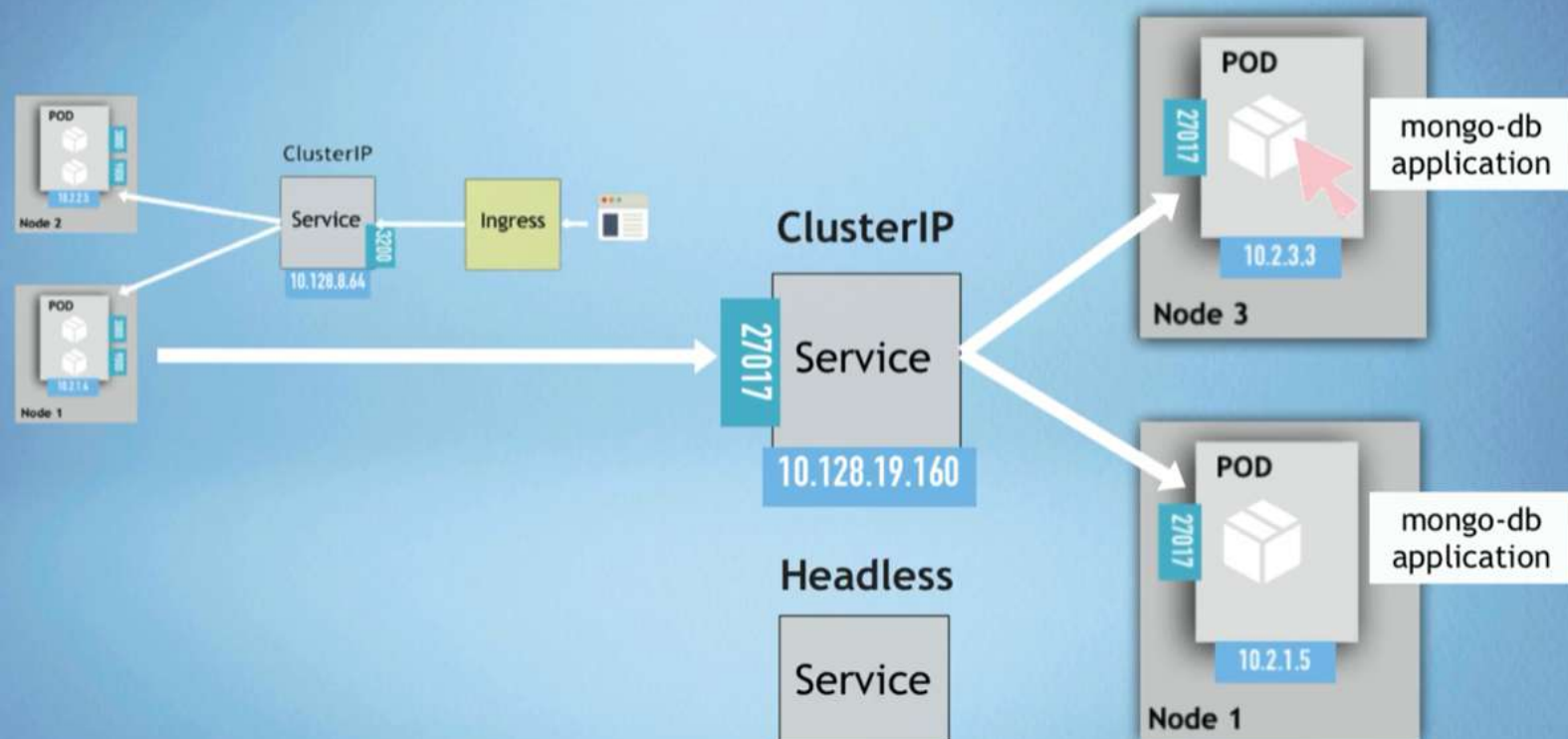
1. **Structure** your components
2. **Avoid conflicts** between teams
3. **Share services** between different environments
4. **Access and Resource Limits** on Namespaces Level



Multi-Port Services



Headless Services



ClusterIP

```
apiVersion: v1
kind: Service
metadata:
  name: my-service
spec:
  type: ClusterIP
```

NodePort

```
apiVersion: v1
kind: Service
metadata:
  name: my-service
spec:
  type: NodePort
```

LoadBalancer

```
apiVersion: v1
kind: Service
metadata:
  name: my-service
spec:
  type: LoadBalancer
```

