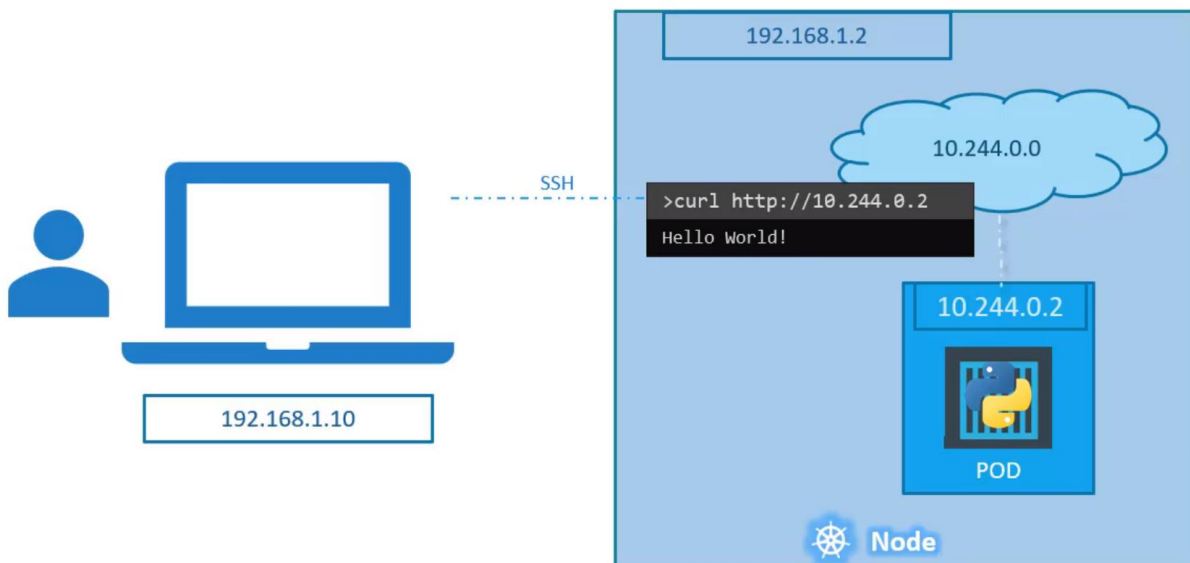
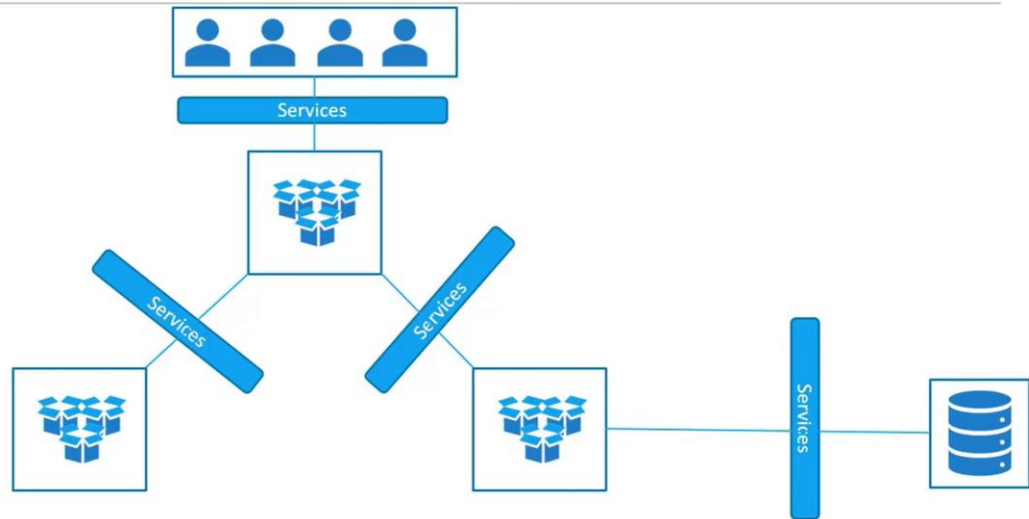
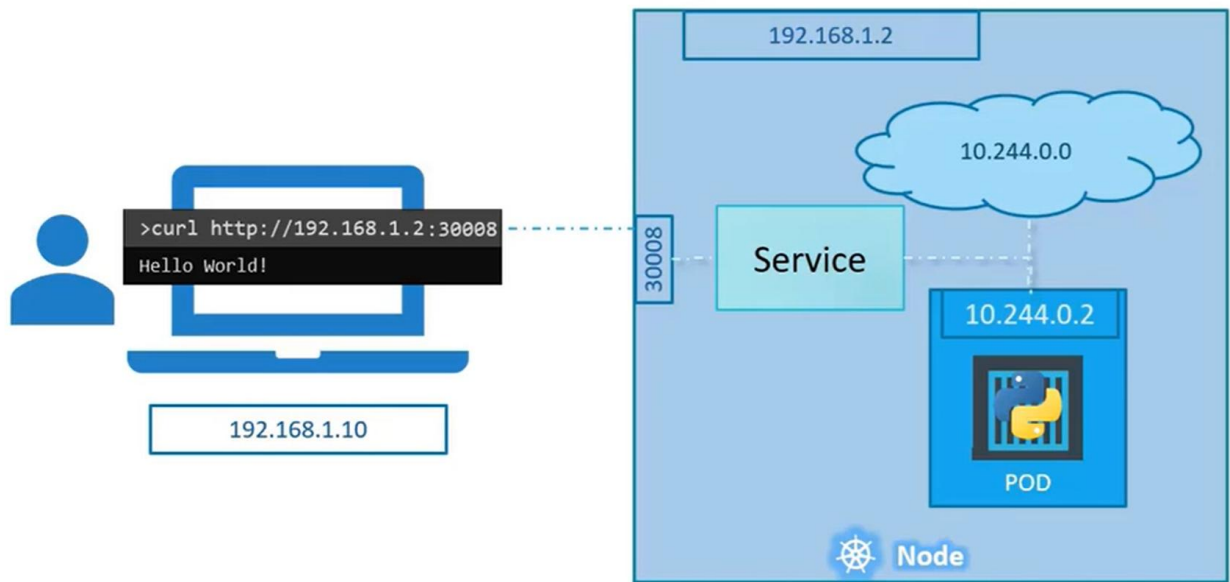


Services



NodePort:



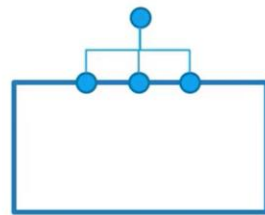
Services Types



NodePort

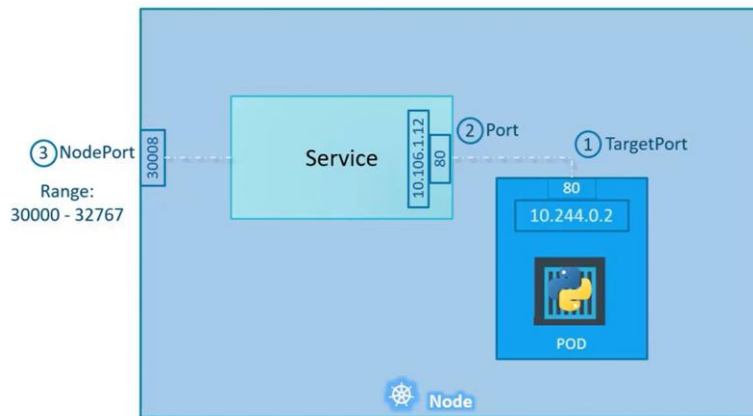


ClusterIP



LoadBalancer

Service - NodePort



```
service-definition.yml
apiVersion: v1
kind: Service
metadata:
  name: myapp-service
spec:
  type: NodePort
  ports:
    - targetPort: 80
      *port: 80
      nodePort: 30008
```

```
service-definition.yml
apiVersion: v1
kind: Service
metadata:
  name: myapp-service
spec:
  type: NodePort
  ports:
    - targetPort: 80
      port: 80
      nodePort: 30008
  selector:
    app: myapp
    type: front-end
```

```
pod-definition.yml
apiVersion: v1
kind: Pod
metadata:
  name: myapp-pod
  labels:
    app: myapp
    type: front-end
spec:
  containers:
    - name: nginx-container
      image: nginx
```

```
> kubectl create -f service-definition.yml
```

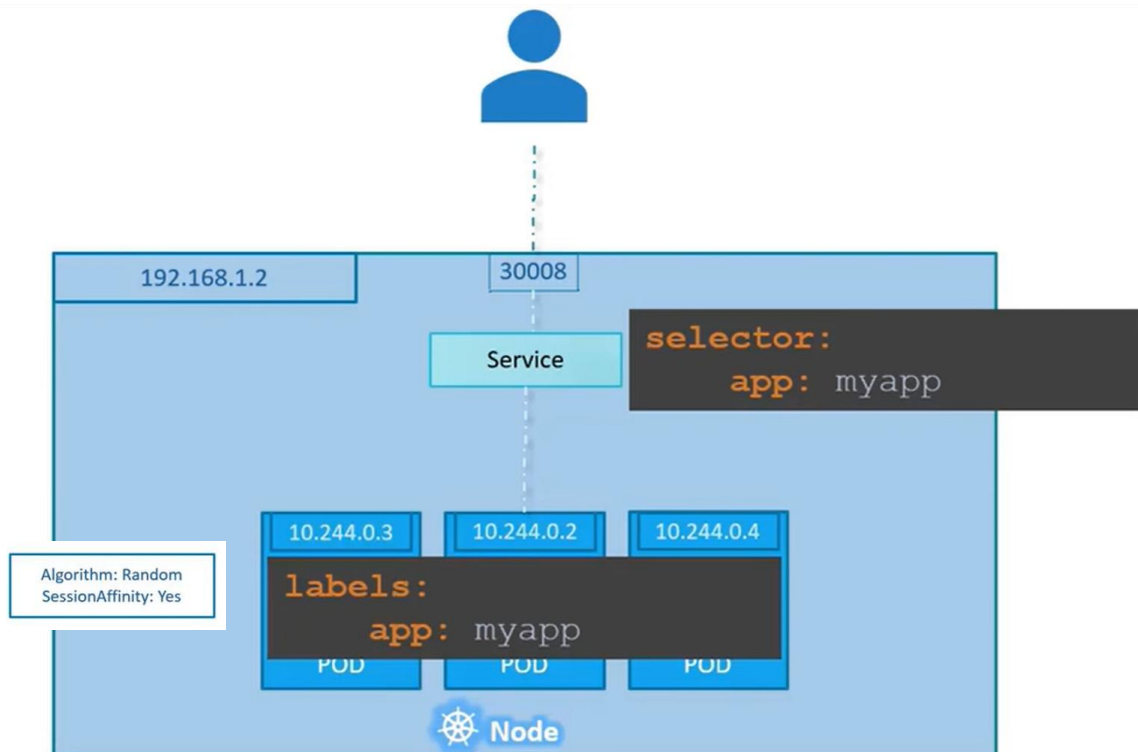
```
service "myapp-service" created
```

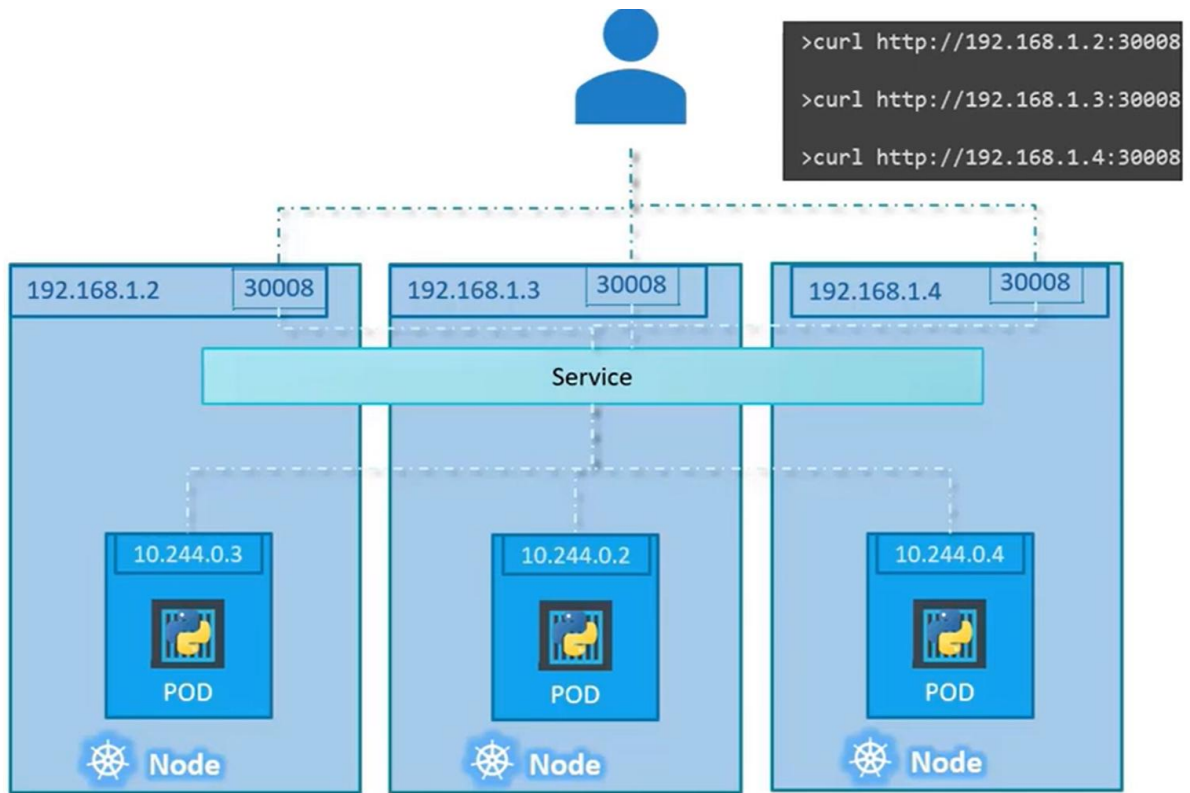
```
> kubectl get services
```

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
kubernetes	ClusterIP	10.96.0.1	<none>	443/TCP	16d
myapp-service	NodePort	10.106.127.123	<none>	80:30008/TCP	5m

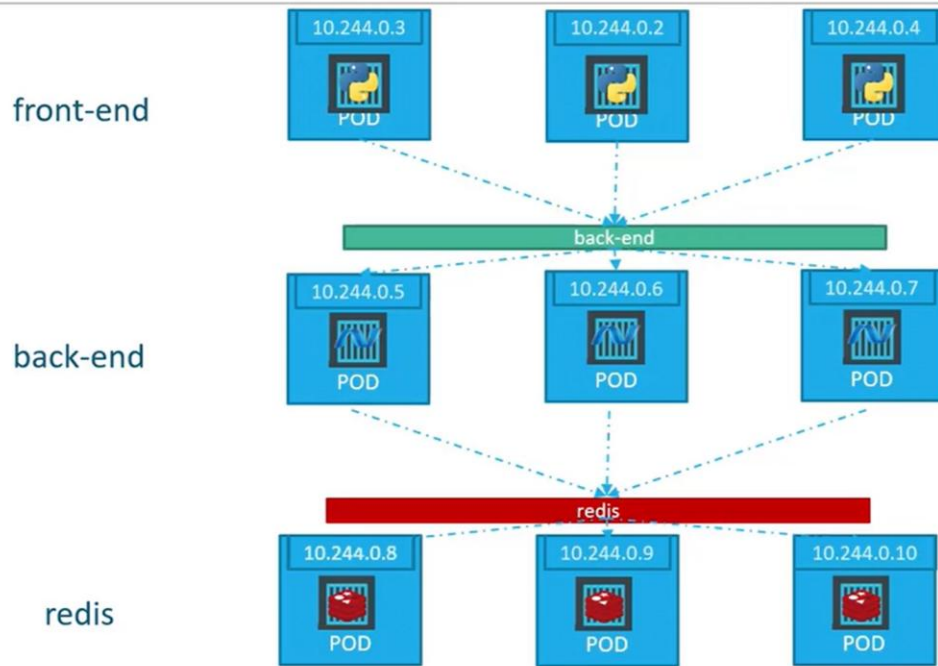
```
> curl http://192.168.1.2:30008
```

```
<html>
<head>
<title>Welcome to nginx!</title>
<style>
  body {
    width: 35em;
    margin: 0 auto;
    font-family: Tahoma, Verdana, Arial, sans-serif;
  }
</style>
</head>
<body>
```





ClusterIP



service-definition.yml

```

apiVersion: v1
kind: Service
metadata:
  name: back-end

spec:
  type: ClusterIP
  ports:
    - targetPort: 80
      port: 80

  selector:
    app: myapp
    type: back-end

```

pod-definition.yml

```

apiVersion: v1
kind: Pod
metadata:
  name: myapp-pod
  labels:
    app: myapp
    type: back-end

spec:
  containers:
    - name: nginx-container
      image: nginx

```

```
> kubectl create -f service-definition.yml
```

service "back-end" created

```
> kubectl get services
```

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
kubernetes	ClusterIP	10.96.0.1	<none>	443/TCP	16d
back-end	ClusterIP	10.106.127.123	<none>	80/TCP	2m

Services – Load balancer

