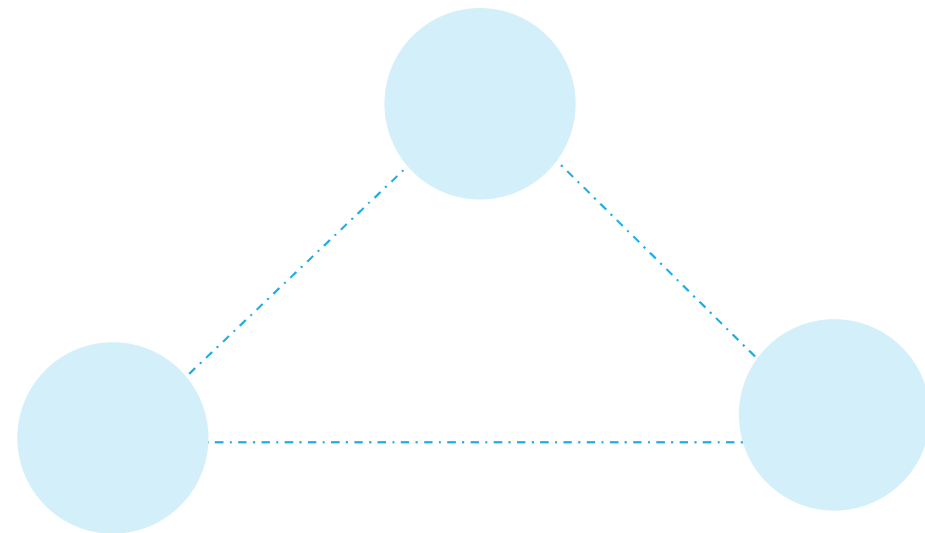
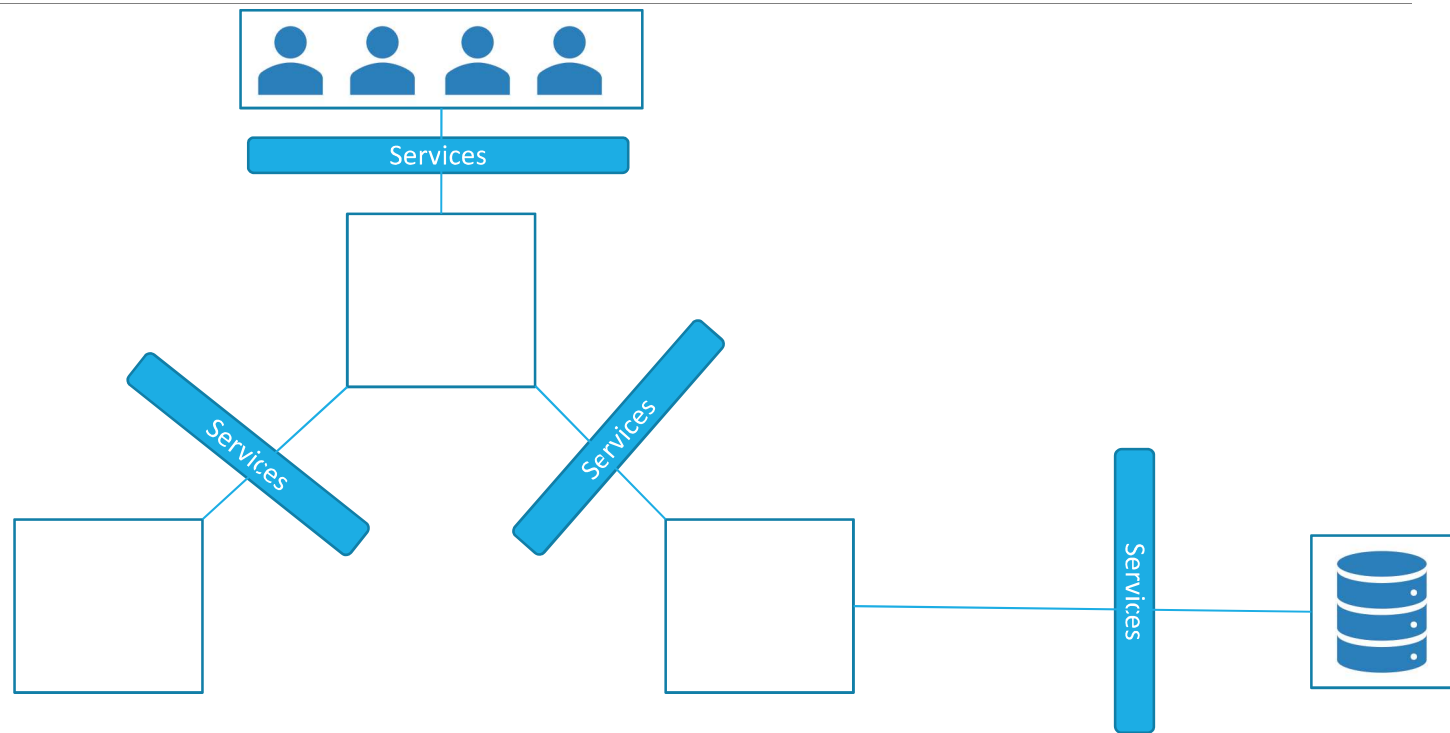


Services

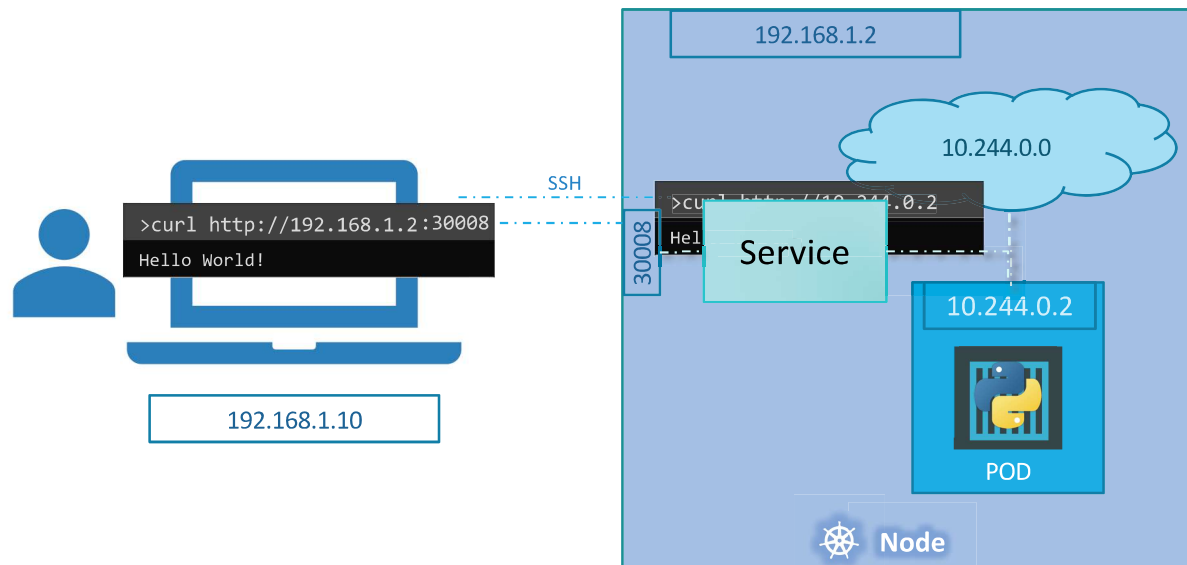


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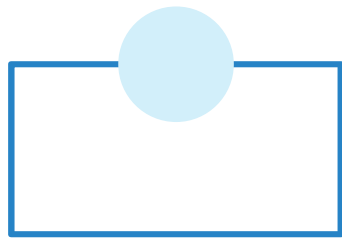
Services



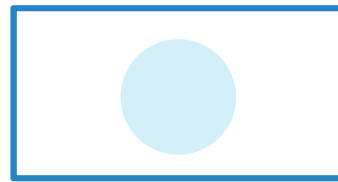
Service



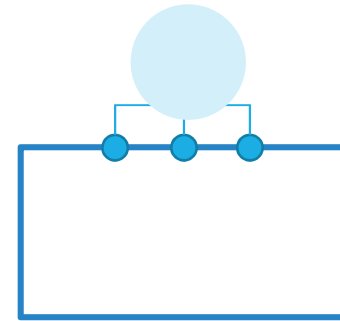
Services Types



NodePort



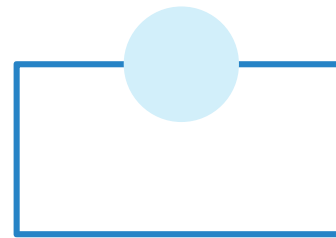
ClusterIP



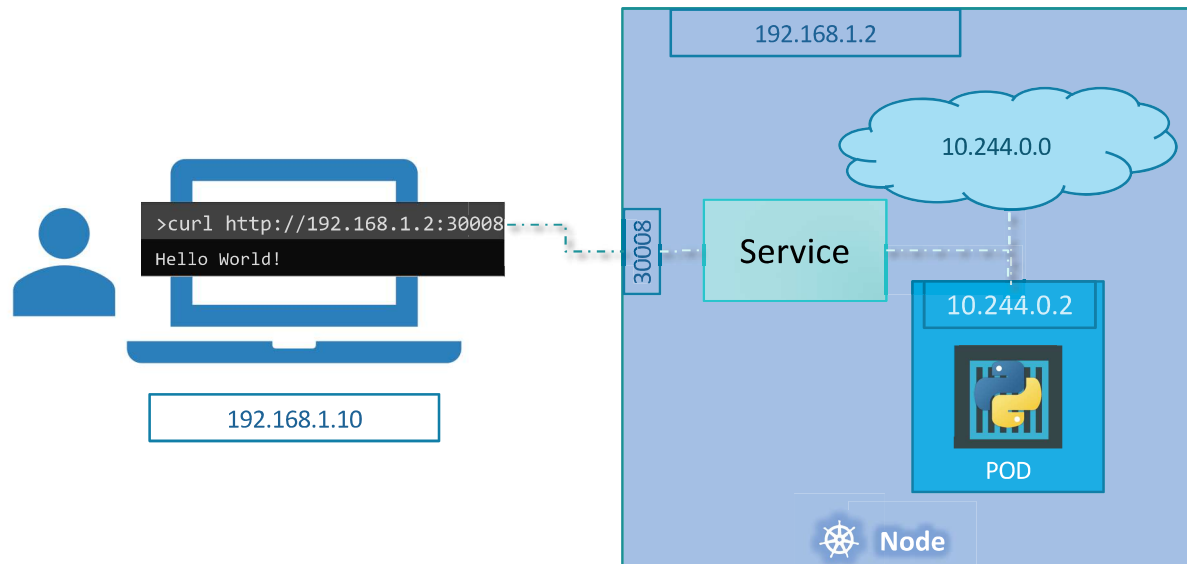
LoadBalancer



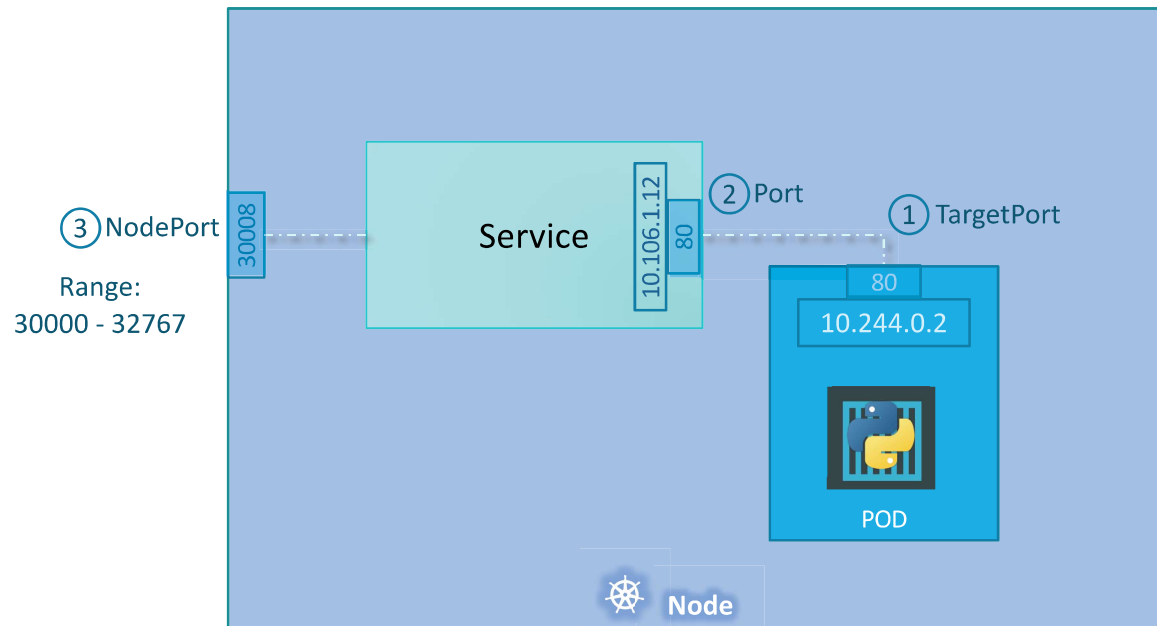
NodePort



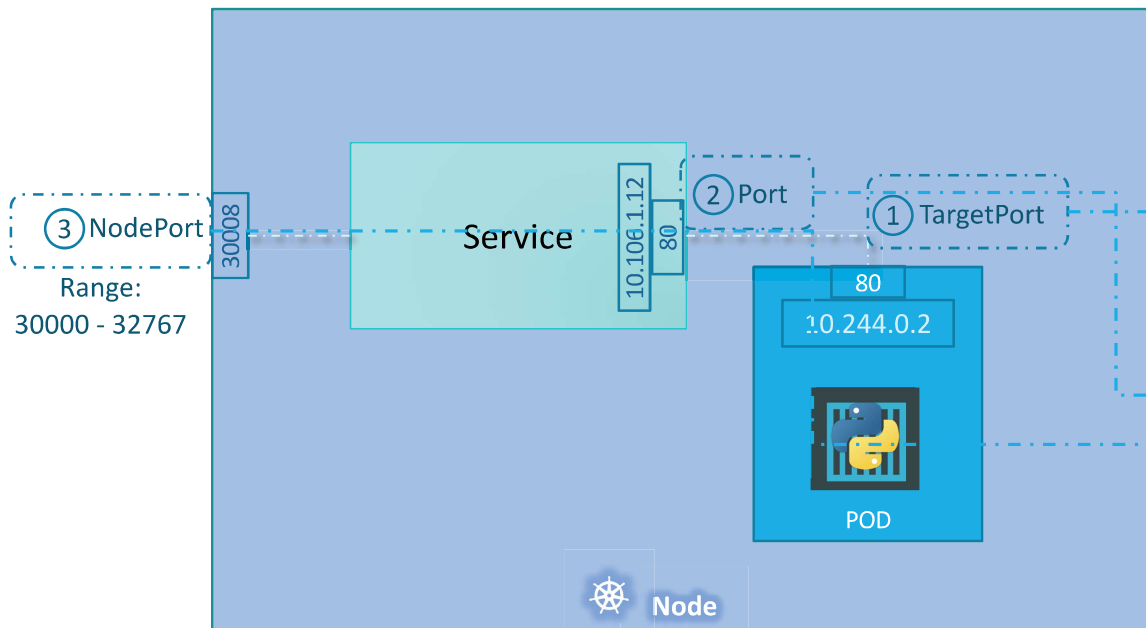
Service - NodePort



Service - NodePort



Service - NodePort



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


Service - NodePort

service-definition.yml

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

pod-definition.yml

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

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

```
> kubectl get services
```

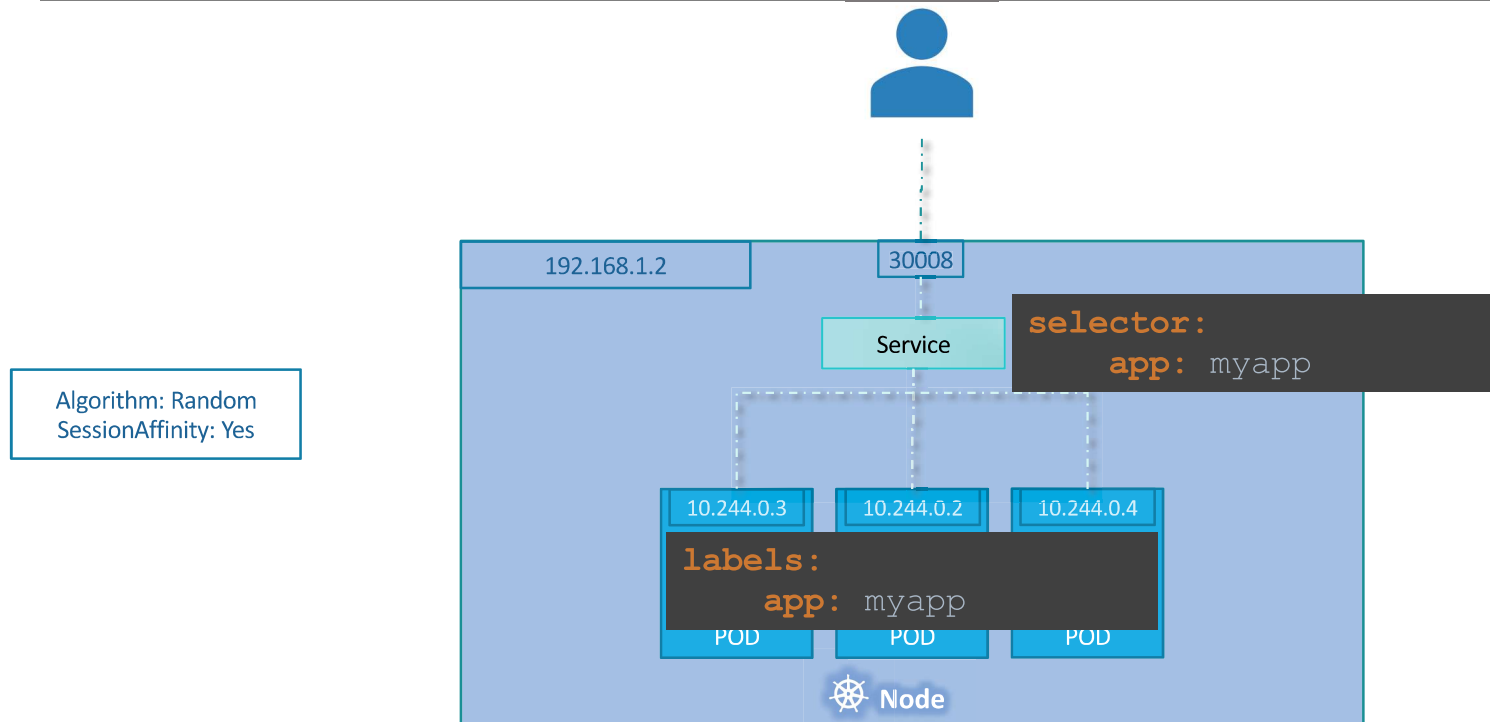
NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
kubernetes	ClusterIP	10.96.0.1	<none>	443/TCP	16d
myapp-service	NodePort	10.106.127.123	<none>	80:30008/TCP	5m

```
app: myapp
```

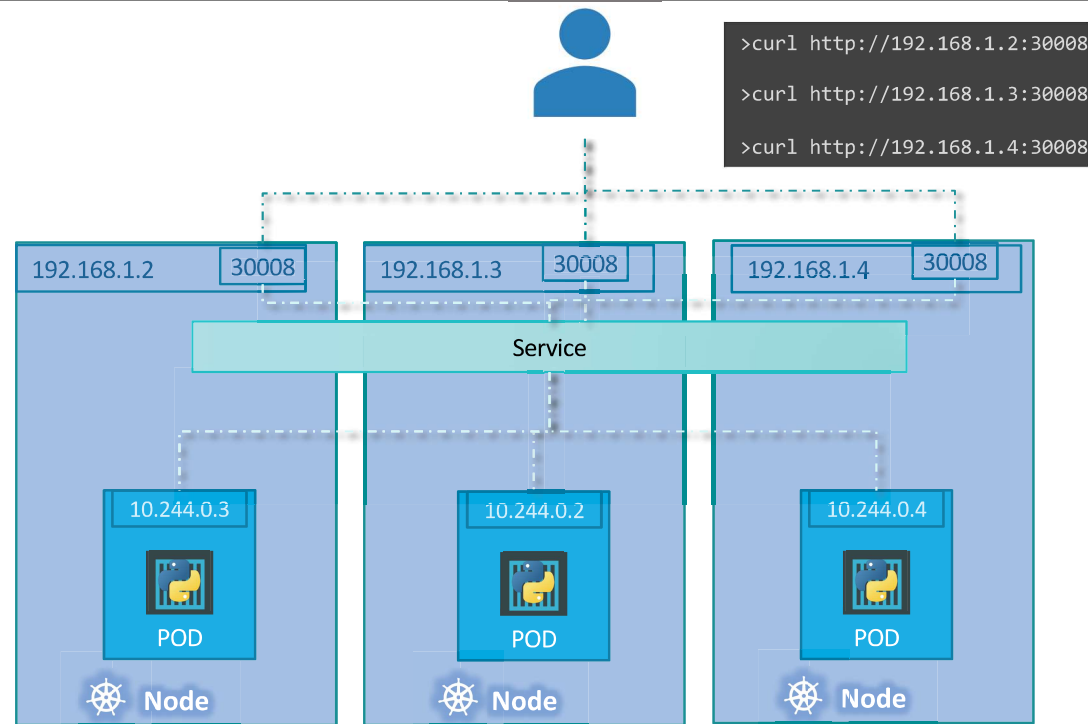
```
> curl http://192.168.1.2:30008
```

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

Service - NodePort



Service - NodePort

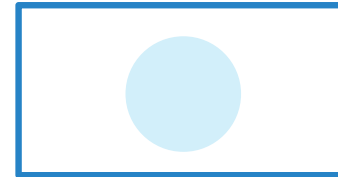


Demo

Service - NodePort

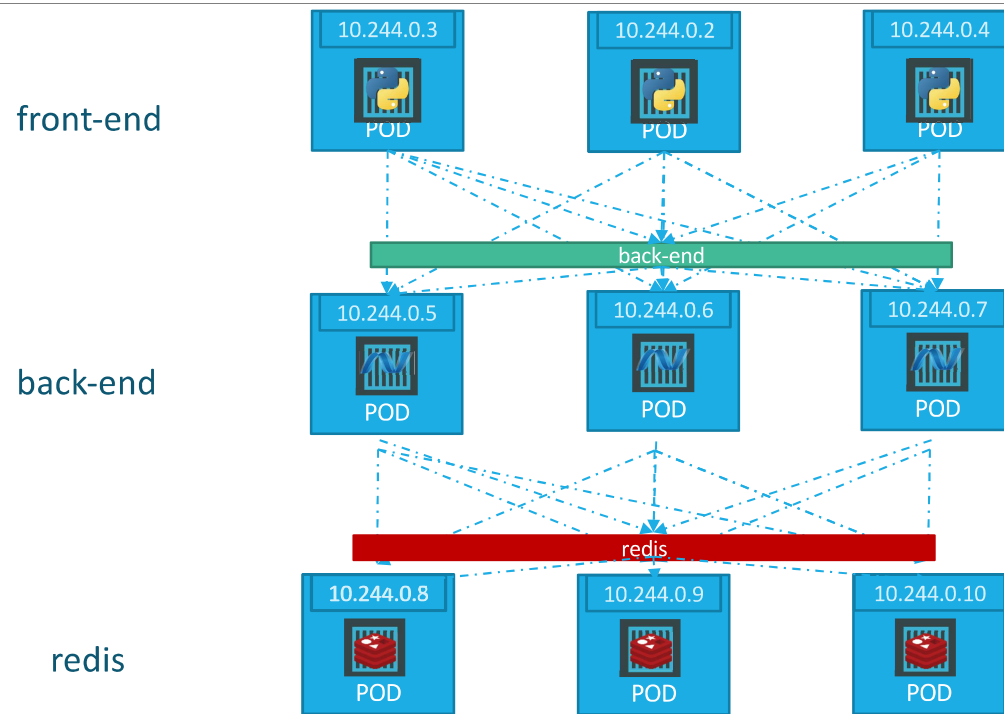


ClusterIP



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ClusterIP



```
service-definition.yml
```

```
apiVersion: v1
kind: Service
metadata:
  name: back-end
spec:
  type: ClusterIP
  ports:
    - targetPort: 80
      port: 80
  selector:
```

```
pod-definition.yml
```

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

```
service "back-end" created
```

```
> kubectl get services
```

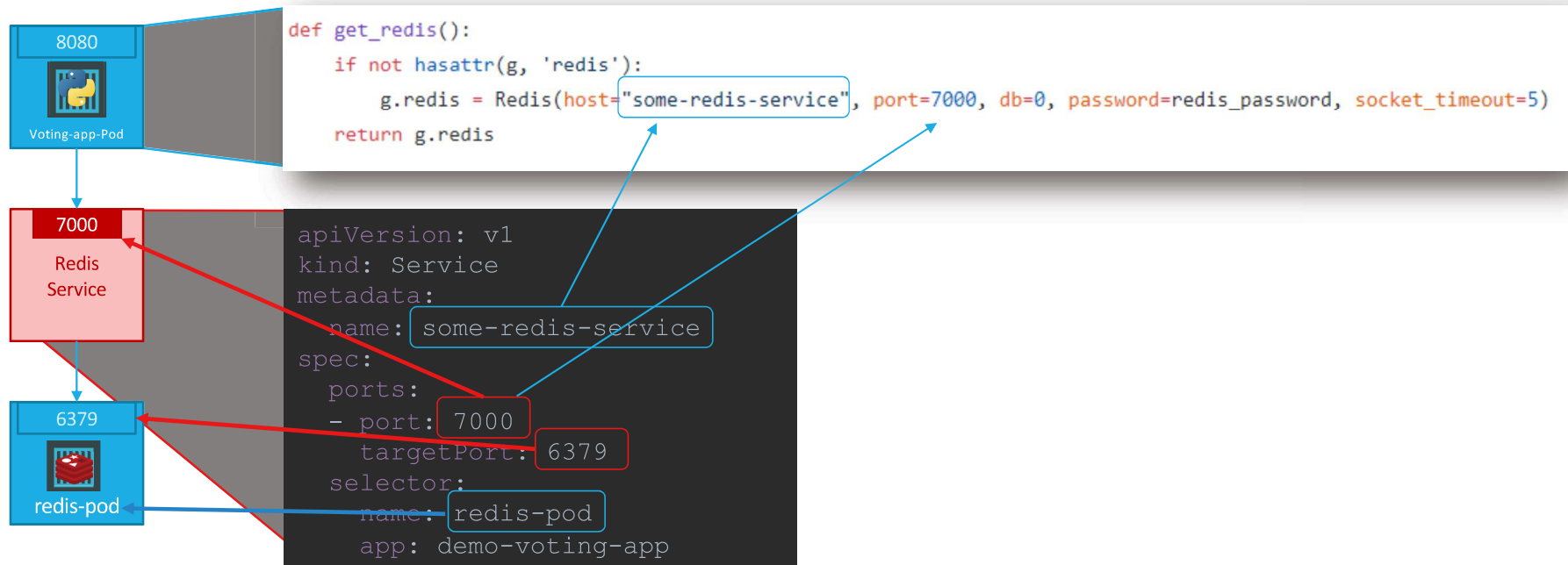
NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
kubernetes	ClusterIP	10.96.0.1	<none>	443/TCP	16d
back-end	ClusterIP	10.106.127.123	<none>	80/TCP	2m

```
  app: myapp
  type: back-end
spec:
  containers:
    - name: nginx-container
      image: nginx
```

Service



Service



Demo

Service - NodePort



References

<https://kubernetes.io/docs/concepts/services-networking/dns-pod-service/>

