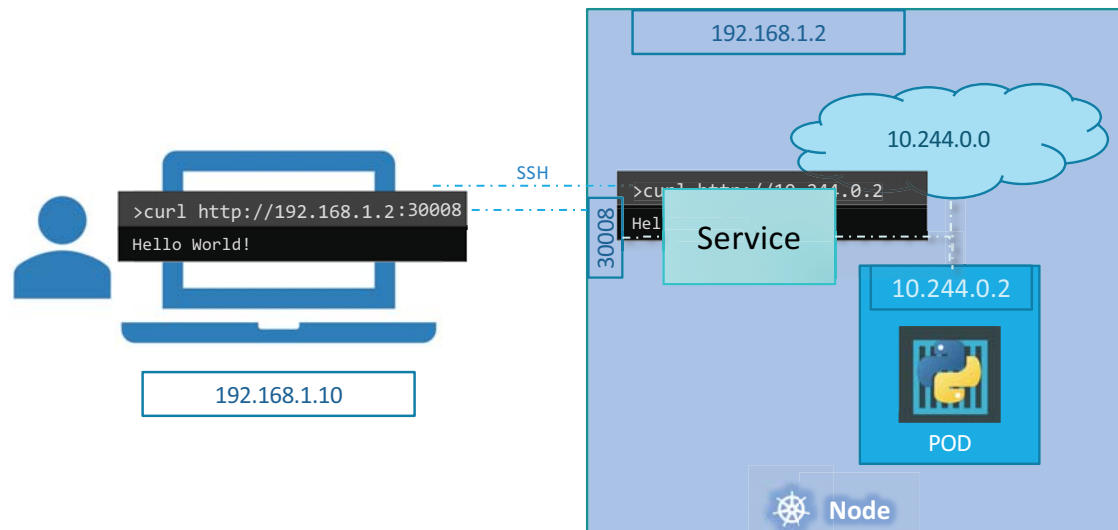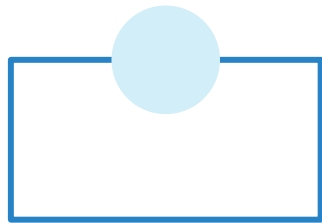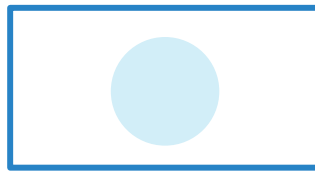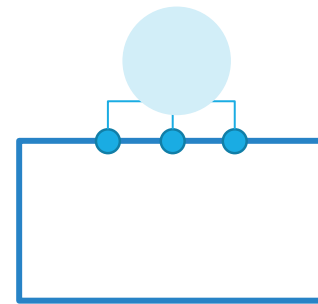# Services

Service

Services Types

NodePort

ClusterIP

LoadBalancer

NodePort

Service - NodePort

192.168.1.2

10.244.0.0

30008

Service

10.244.0.2

POD

Node

>curl http://192.168.1.2:30008
Hello World!

192.168.1.10

Service - NodePort

Service - NodePort


```yaml
service-definition.yml
apiVersion: v1
kind: Service
metadata:
    name: myapp-service

spec:
    type: NodePort
    ports:
        - targetPort: 80
          port: 80
          nodePort: 30008
```
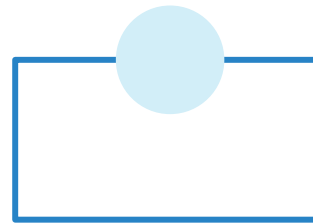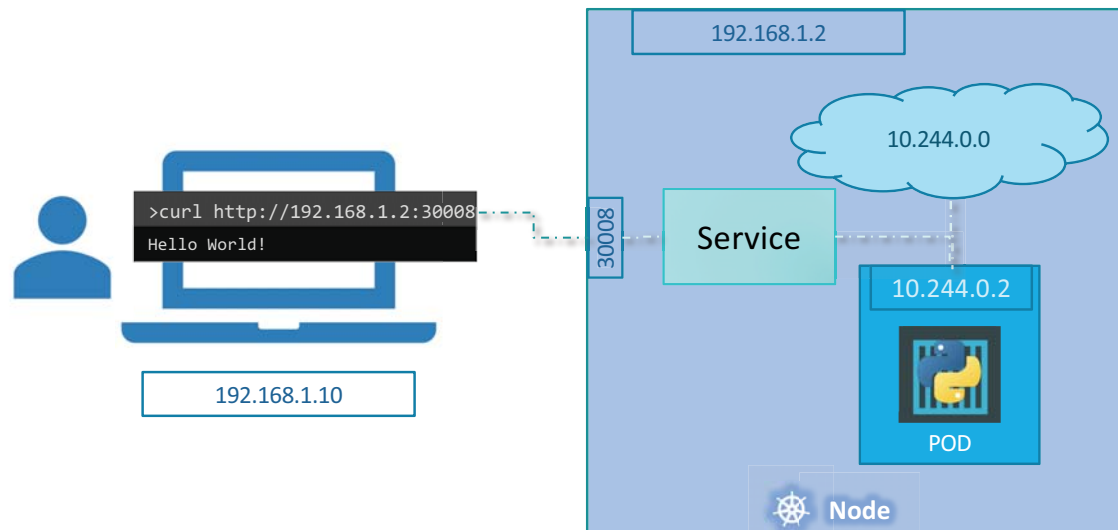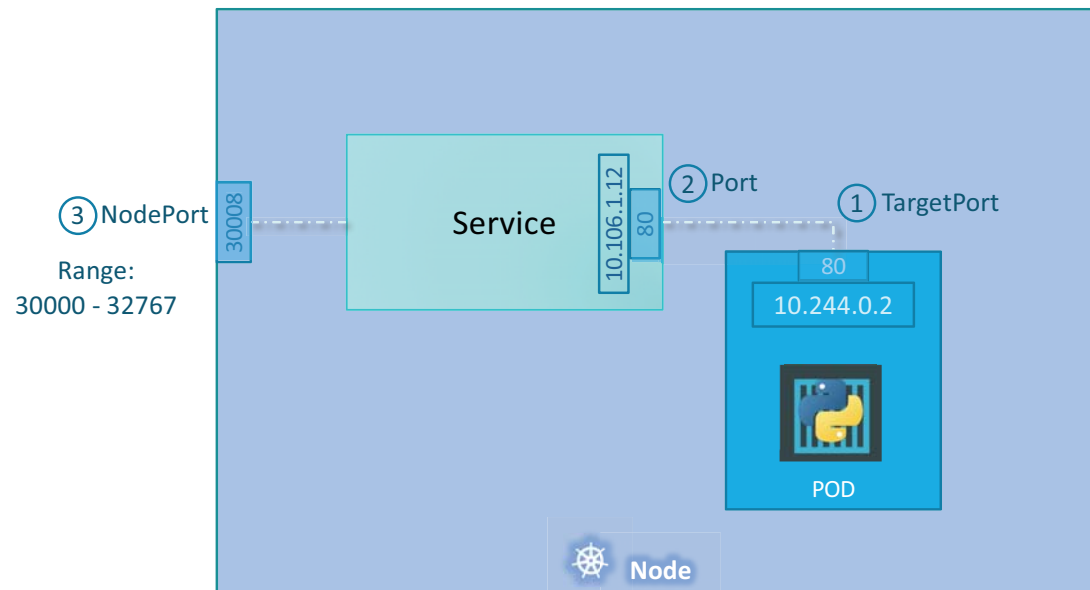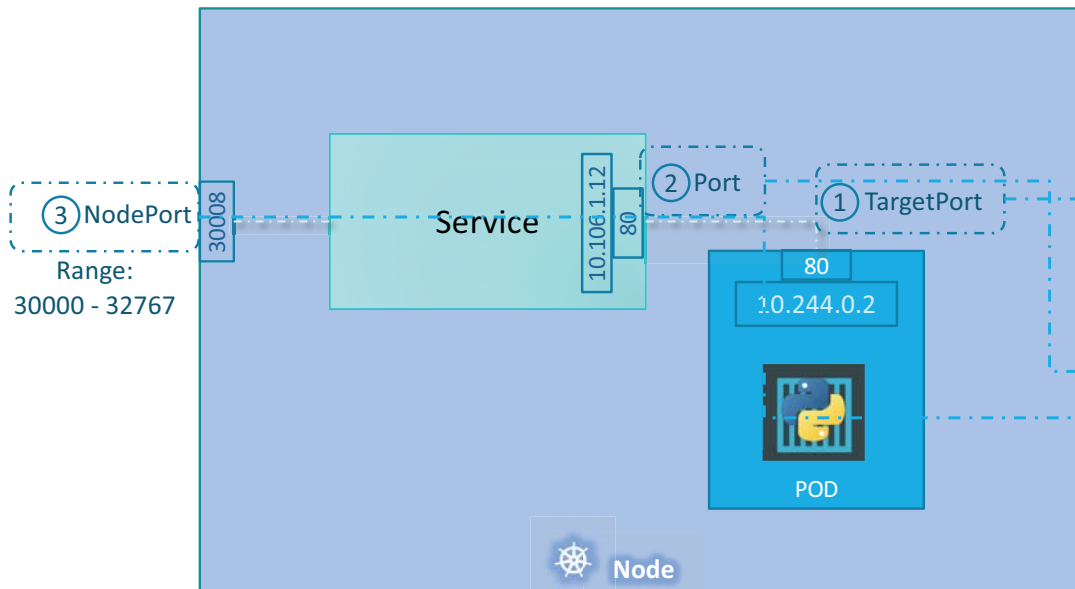
Service - NodePort

```
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
```
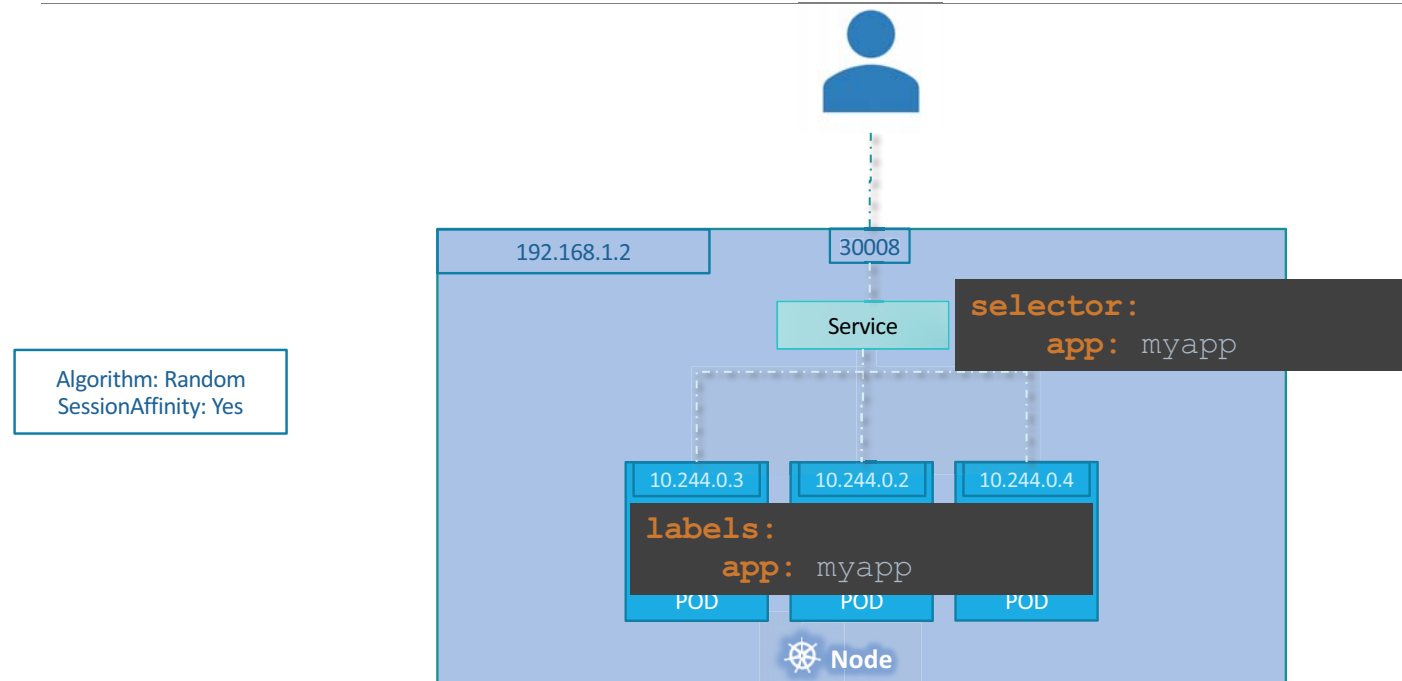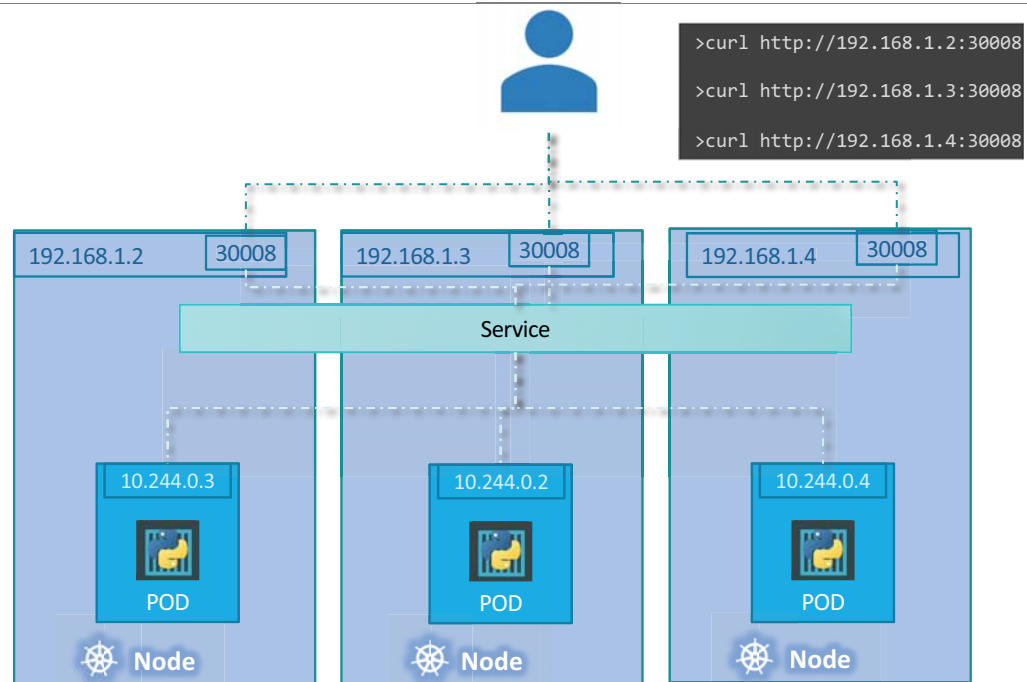
```
> curl http://192.168.1.2:30008
<html>
<head>
<title>Welcome to nginx!</title>
<style>
    body {
        width: 35em;
        margin: 0 auto;
        font-family: Tahoma, Verdana, Arial, sans-serif;
    }
</style>
</head>
<body>
```

Service - NodePort

Service - NodePort

Demo

Service - NodePort