# NODE-PORT

```yaml
1    apiVersion: v1
2    kind: Service
3    metadata:
4      name: kuard-service
5    spec:
6      selector:
7        app: kuard
8      ports:
9      - port: 80
10       targetPort: 8080
```

```yaml
1    apiVersion: apps/v1
2    kind: Deployment
3    metadata:
4      name: kuard-deployment
5      labels:
6        app: kuard
7    spec:
8      replicas: 3
9      selector:
10       matchLabels:
11         app: kuard
12     template:
13       metadata:
14         labels:
15           app: kuard
16       spec:
17         containers:
18         - image: gcr.io/kuar-demo/kuard-amd64:blue
19           name: kuard
20           ports:
21           - containerPort: 8080
22             name: http
```
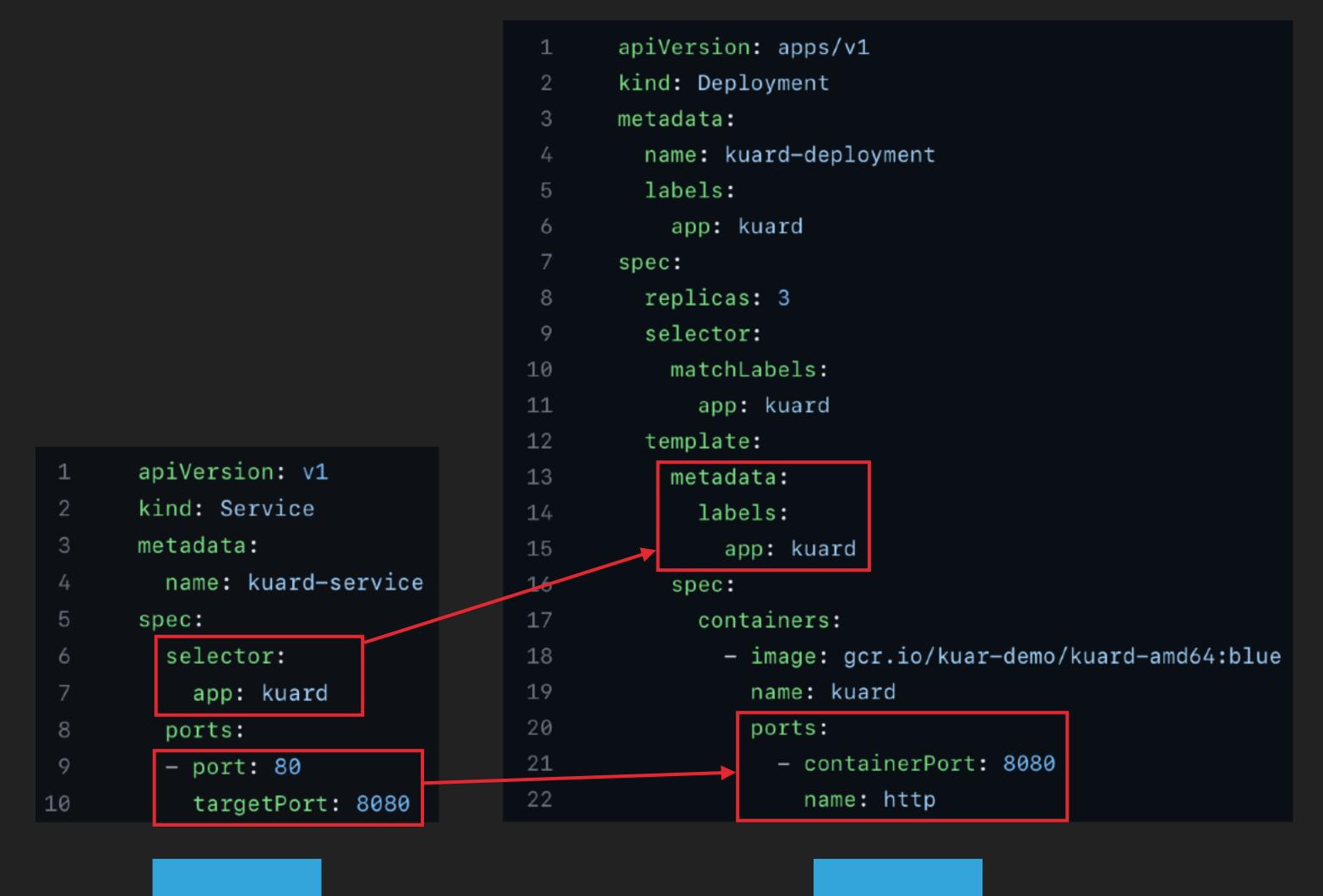
CLIENT → SERVICE → POD

# ADVANCED MODE: LOADBALANCER

▸ Expensive (usually each LoadBalancer is billed separately, for existence & traffic)

▸ Certificate management is limited by the Cloud-Provider capabilities

▸ Requires a Cloud-Provider with LoadBalancer support

▸ TLS usually terminated at the LB

▸ Only works for domains, not paths