

ClusterIP Service

Deployment definition YAML

```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: deploy-nginx
spec:
  selector:
    matchLabels:
      run: my-nginx
  replicas: 2
  template:
    metadata:
      labels:
        run: my-nginx
    spec:
      containers:
        - name: deploy-container
          image: nginx
          ports:
            - containerPort: 80
```



ClusterIP Service definition YAML

```
apiVersion: v1
kind: Service
metadata:
  name: serve-nginx
  labels:
    run: my-nginx
spec:
  ports:
    - port: 80
      protocol: TCP
  selector:
    run: my-nginx
```

1 List out deployments

```
$ kubectl get deployments
```

2 Describe deploy-nginx deployment

```
$ kubectl describe deployment deploy-nginx
```



3 List out services

```
$ kubectl get svc
```

4 Describe a service

```
$ kubectl describe svc serve-nginx
```

5 Hit the nginx homepage on ClusterIP

```
$ curl http://<cluster-IP>:80
```

