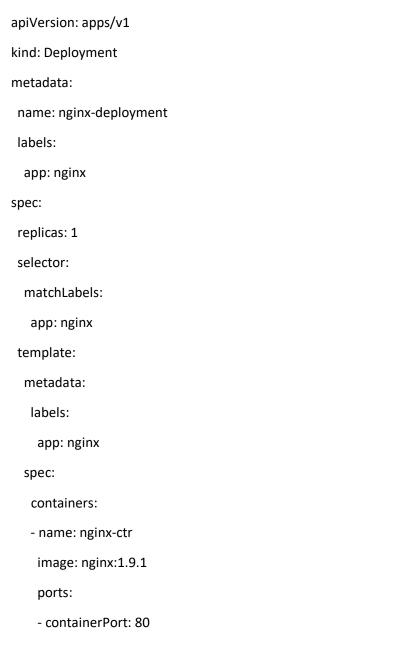
Working with Cluster IP Service

Create a deployment from following configuration deploy.yaml



Deploy the deployment

kubectl appy -f deploy.yaml

Create a clusterIP service for above created deployment - clusterip-svc.yaml

```
apiVersion: v1
```

kind: Service

metadata:

name: nginx-svc

labels:

app: nginx

spec:

type: ClusterIP

ports:

- port: 80

targetPort: 80

protocol: TCP

selector:

app: nginx

Deploy the service

kubectl apply -f clusterip-svc.yaml

List the services

kubectl get svc

NAME CLUSTER-IP EXTERNAL-IP PORT(S) AGE

kubernetes 10.0.0.1 <none> 443/TCP 1h

nginx-svc 10.0.0.134 <none> 80/TCP 8s

kubectl get svc -n kube-system

Verify the DNS service via nslookup

Create a new deployment

kubectl run test --image=nginx:1.9.1 /bin/sh

New pods would have got created..

Login to the pod and run the below

apt update

apt-get install dnsutils

nslookup nginx-svc

Server: 10.0.0.10

Address: 10.0.0.10#53

Name: nginx-svc.default.svc.cluster.local

Address: 10.0.0.134

Within the same namespace service can be accessed by the other service/pods with its DNS name.

Delete the deployment and service:

kubectl delete svc nginx-svc

kubectl delete deploy deploymentname