

Exposing Kubernetes Ports

Service Types

- [Service Docs](#)
- [Service Examples](#)

```
kubectl expose
```

Creating a ClusterIP Service

- [cURL utility](#)

```
kubectl get pods -w
kubectl create deployment httpenv --image=bretfisher/httpenv
kubectl scale deployment/httpenv --replicas=5
kubectl expose deployment/httpenv --port 8888
kubectl get service
kubectl run tmp-shell --rm -it --image bretfisher/netshoot -- bash
curl httpenv:8888
```

Creating a NodePort and LoadBalancer Service

```
kubectl get all
kubectl expose deployment/httpenv --port 8888 --name httpenv-np --type NodePort
kubectl get services
curl localhost:32334
kubectl expose deployment/httpenv --port 8888 --name httpenv-lb --type LoadBalancer
kubectl get services
curl localhost:8888
kubectl delete service/httpenv service/httpenv-np
kubectl delete service/httpenv-lb deployment/httpenv
```

Kubernetes Services DNS

- [Kubernetes DNS Specification](#)
- [CoreDNS for Kubernetes](#)

```
curl <hostname>  
kubectl get namespaces  
curl <hostname>.<namespace>.svc.cluster.local
```