



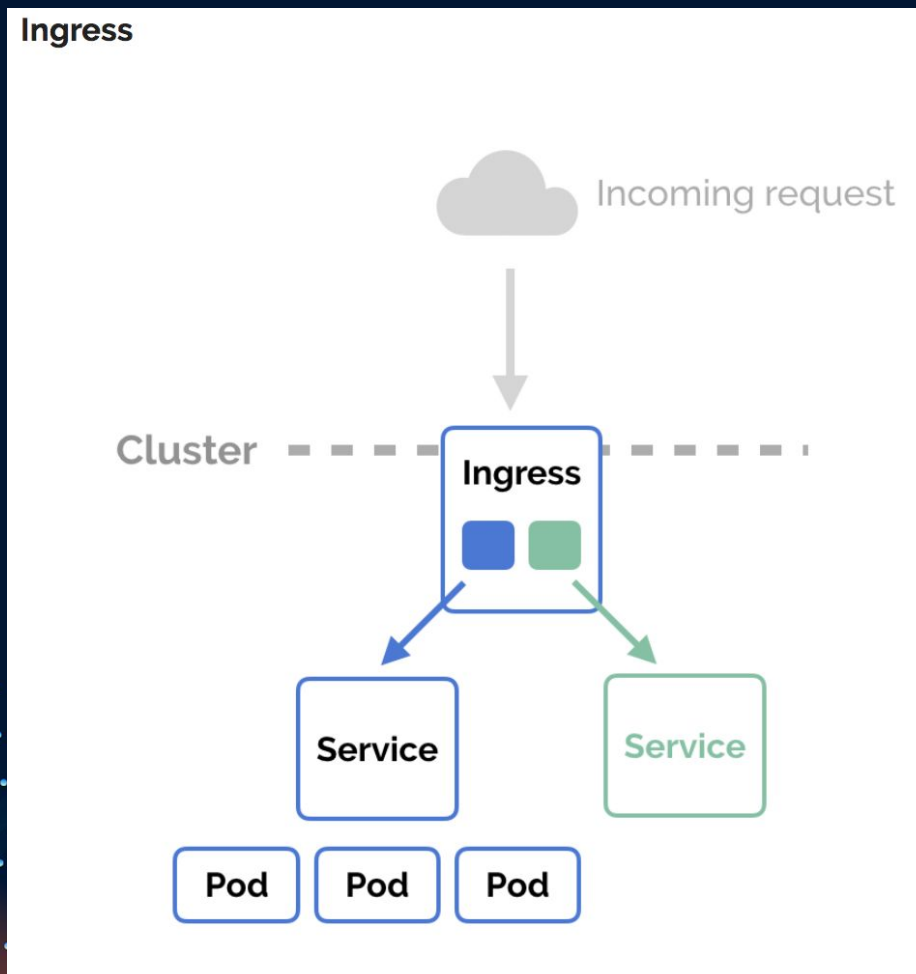
Chapter 10

Manage Service with Ingress

Installation Nginx Ingress

- `kubectl apply -f`
<https://raw.githubusercontent.com/kubernetes/ingress-nginx/controller-v1.2.0/deploy/static/provider/cloud/deploy.yaml>
- `kubectl apply -f`
<https://raw.githubusercontent.com/kubernetes/ingress-nginx/controller-v1.2.0/deploy/static/provider/baremetal/deploy.yaml>

Ingress Concept





Installation

- minikube addons enable ingress

Your ingress File

```
apiVersion: networking.k8s.io/v1
kind: Ingress
metadata:
  name: minimal-ingress
  annotations:
    nginx.ingress.kubernetes.io/rewrite-target: /
spec:
  rules:
  - http:
      paths:
      - path: /testpath
        pathType: Prefix
        backend:
          service:
            name: test
            port:
              number: 80
```

Download Example File



nginx-ingress.yaml

Path

- path
- pathType
 - prefix
 - exact

Examples

Kind	Path(s)	Request path(s)	Matches?
Prefix	/	(all paths)	Yes
Exact	/foo	/foo	Yes
Exact	/foo	/bar	No
Exact	/foo	/foo/	No
Exact	/foo/	/foo	No
Prefix	/foo	/foo , /foo/	Yes
Prefix	/foo/	/foo , /foo/	Yes
Prefix	/aaa/bb	/aaa/bbb	No
Prefix	/aaa/bbb	/aaa/bbb	Yes
Prefix	/aaa/bbb/	/aaa/bbb	Yes, ignores trailing slash
Prefix	/aaa/bbb	/aaa/bbb/	Yes, matches trailing slash
Prefix	/aaa/bbb	/aaa/bbb/ccc	Yes, matches subpath
Prefix	/aaa/bbb	/aaa/bbbxyz	No, does not match string prefix
Prefix	/ , /aaa	/aaa/ccc	Yes, matches /aaa prefix

- **Ref**
(<https://kubernetes.io/docs/concepts/services-networking/ingress/>)



Service and Port

- serviceName
- port

host

- serviceName
- port