

NGINX-INGRESS

- ▶ Ingress Controller
- ▶ Easy configuration of ELB and NGINX

```
nginx-ingress:
  chart: nginx-ingress
  version: 1.1.2
  hooks:
    pre_install:
      - kubectl apply -f manifests/custom-headers.yaml
  values:
    controller.minAvailable: 1
    controller.replicaCount: 2
    defaultBackend.replicaCount: 2
    defaultBackend.minAvailable: 1
    controller.ingressClass: "nginx-ingress"
    controller.publishService.enabled: "true"
    controller.metrics.enabled: true
    controller.stats.enabled: true
    controller.resources:
      limits.cpu: 500m
      limits.memory: 500Mi
      requests.cpu: 100m
      requests.memory: 100Mi
    rbac.create: true
```

NGINX-INGRESS

- ▶ Path-Based Routing
- ▶ Host-Based Routing
- ▶ SSL Termination (works with cert-manager)
- ▶ Configure with Annotations
- ▶ Scalable

```
apiVersion: extensions/v1beta1
kind: Ingress
metadata:
  annotations:
    certmanager.k8s.io/acme-challenge-type: dns01
    certmanager.k8s.io/cluster-issuer: letsencrypt-prod
    kubernetes.io/ingress.class: nginx-ingress
    kubernetes.io/ingress.ssl-redirect: "true"
    nginx.ingress.kubernetes.io/ssl-redirect: "true"
name: example-ingress
spec:
  rules:
  - host: ingress.example.com
    http:
      paths:
      - backend:
          serviceName: example-service
          servicePort: http
        path: /
  tls:
  - hosts:
    - ingress.example.com
    secretName: tis-secret
```