

Ingress 概述

```
graph TD; Traffic[Traffic] --> Ingress[Ingress]; Ingress -->|jd.com| ServiceJd[Service Jd]; Ingress -->|taobao.com| ServiceTaobao[Service taobao]; Ingress -->|other| Service[Service]; ServiceJd --> PodJd1[Pod]; ServiceJd --> PodJd2[Pod]; ServiceTaobao --> PodTaobao1[Pod]; ServiceTaobao --> PodTaobao2[Pod]; Service --> PodService1[Pod]; Service --> PodService2[Pod];
```

The diagram illustrates the Ingress Controller architecture. External traffic enters from the top, passing through an Ingress controller (labeled 'Ingress'). The Ingress controller routes traffic based on domain names: 'jd.com' to 'Service Jd', 'taobao.com' to 'Service taobao', and 'other' to 'Service'. Each service then routes traffic to its respective pods (labeled 'Pod').

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```
PS C:\Users\yueyong> minikube addons list |-----|-----|-----|-----| | ADDON NAME | PROFILE | S
```

参考上一篇，将 deployment 部署的 service 通过 ingress 暴露。

- 创建 ingress.yaml

创建名为 ingress-test 的命名空间# 版本号apiVersion: v1 # 表明创建的种类为命名空间kind: Namespace # 定义资源的元数据信息, 比如资源的名称、namespace、标签等信息metadata: #定义命名空间的名称

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PS D:\workspace\docker\demo3> kubectl apply -f .\ingress.yaml namespace/ingress-test unchangedservice/nginx-svc unchangeddeployment.apps/nginx configuredingress.networking.k8s.io/1
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```
PS D:\workspace\docker\demo3> kubectl get -f .\ingress.yamlNAME STATUS AGEnamespace/ingress-test Active 2m50s
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGEservice/nginx-svc ClusterIP 10.102.98.154 <none> 80/TCP 2m50s
NAME READY UP-TO-DATE AVAILABLE AGEdeployment.apps/nginx 2/2 2 2 2m50s
NAME ADDRESS CLASS HOSTS ADDRESS PORTS AGEingress.networking.k8s.io/nginx-svc-ingress nginx centos-nginx.com 172.20
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```
PS D:\workspace\docker\demo3> kubectl get svc -n ingress-nginx
```

| NAME | TYPE | CLUSTER-IP | EXTERNAL-IP | PORT(S) | AGE |
|---------------|-----------|------------|-------------|---------|-----|
| ingress-nginx | ClusterIP | 10.10.1.1 | | 80, 443 | 10m |

可以看到, NodePort 类型的 service, 80 端口转发到了 31598, 443 端口转发到了 30962, 本例未使用https, 所以通过 <http://centos-nginx.com:31598> 访问即可:




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