文档使用helm方式安装traefik，关于helm如何安装请参考：

https://github.com/shadowmktk/kubernetes/tree/master/helm

traefik官网文档：https://docs.traefik.io/getting-started/install-traefik/

配置traefik仓库（我这里ping containous.github.io 得到是127.0.0.1地址，很奇怪，所以手动将对应IP地址加入hosts文件）

echo "185.199.109.153 containous.github.io" >> /etc/hosts

helm repo add traefik https://containous.github.io/traefik-helm-chart

helm repo update

====================笔记==

给node添加标签，方便pod调度到指定节点

kubectl label nodes k8s-node-01 traefik=true

kubectl label nodes k8s-node-02 traefik=true

kubectl label nodes k8s-node-03 traefik=true

查看标签

kubectl get nodes --show-labels

删除标签

kubectl label nodes k8s-node-01 traefik-

kubectl label nodes k8s-node-02 traefik-

kubectl label nodes k8s-node-03 traefik-

====================笔记==

安装traefik

helm install --namespace=kube-system \

traefik traefik/traefik -f traefik-values.yaml

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卸载traefik

helm uninstall tarefik

查看有没有对应的role，有的话就删除

kubectl delete clusterrole traefik

kubectl delete clusterrolebinding traefik

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创建traefik-http-demo示例（http协议）

执行部署

kubectl apply -f traefik-http-demo-deployment.yaml

kubectl apply -f traefik-http-demo-ingress.yaml

部署完成后使用域名进行访问，例如http://example.traefik-http-demo.com:32080/

注意：记得绑定hosts后再访问

创建traefik-https-demo示例（https协议）

生成ssl证书

openssl req -newkey rsa:2048 -nodes \

-keyout example.traefik-https-demo.com.key \

-x509 -days 3650 -out example.traefik-https-demo.com.crt -subj "/C=CN"

将ssl证书上传到kubernetes

kubectl create secret generic \

example.traefik-https-demo.com \

--from-file=example.traefik-https-demo.com.crt \

--from-file=example.traefik-https-demo.com.key

执行部署

kubectl apply -f traefik-https-demo-deployment.yaml

kubectl apply -f traefik-https-demo-ingress.yaml

部署完成后使用域名进行访问，例如https://example.traefik-https-demo.com:32443/

注意：记得绑定hosts后再访问

以上示例https协议实际访问流程：client --https--> traefik --http--> server