# 域名访问edgegallery部署指导

域名配置可以分为三步：

1.在公有云配置域名与服务器ip间的映射

2.在服务器上安装k8s和ingress

3.配置ingress，建立域名与k8s service间的关系

## 1.添加域名

在华为云添加域名过程：在业务栏查找 域名注册→域名解析→公网域名解析→点击对应的公网域名→添加记录集→填写域名→填写iP



## 2.在机器上安装k8s

(具体步骤参https://zhuanlan.zhihu.com/p/138554103)

## 安装helm

wget [https://get.helm.sh/helm-v3.2.4-linux-amd64.tar.gz](https://get.helm.sh/helm-v3.2.4-linux-$arch.tar.gz)

tar -zxvf helm-v3.2.4-linux-amd64.tar.gz

cp ./linux-amd64/helm /usr/local/bin/

helm version

4.**安装ingress**

kubectl label node <node\_name> node=edge #<node\_name>指本机的hostname

wget https://kubernetes-charts.storage.googleapis.com/nginx-ingress-1.41.2.tgz

helm install nginx-ingress-controller nginx-ingress-1.41.2.tgz --set controller.kind=DaemonSet --set controller.nodeSelector.node=edge --set controller.hostNetwork=true

### 编辑value.yaml文件

cd /root/

git clone <https://gitee.com/edgegallery/helm-charts.git>

在/root/helm-charts/edgegallery-center目录下编辑 value.yaml文件 开启ingress、ssl，更新hosts 和oauth填写上面添加的域名，根据需求决定是否开启sms

### 配置ingress.yaml

通过kind类型为ingress的yaml文件配置ingress，也可以通过helm chart包进行ingress配置，此处采用第二种方式

helm install edgegallery-ingress /root/helm-charts/edgegallery-center -f /root/helm-charts/edgegallery-center/values.yaml #部署ingress配置实现访问域名与k8s service间的映射

## 5.登录swr镜像仓库

docker登录swr

docker login -u ap-southeast-1@0K1RQ5EAF2QRKQWQNFY0 -p 5468d8a0ebc64936a8196742d601bb95b99f1d94ad19c686488831e3dae79bb3 swr.ap-southeast-1.myhuaweicloud.com

k8s配置镜像拉取密钥

kubectl create secret docker-registry swrregcred \

--docker-server=https://swr.ap-southeast-1.myhuaweicloud.com/v2/ \

--docker-username=ap-southeast-1@0K1RQ5EAF2QRKQWQNFY0 \

--docker-password=5468d8a0ebc64936a8196742d601bb95b99f1d94ad19c686488831e3dae79bb3

kubectl patch serviceaccount default -p '{"imagePullSecrets": [{"name": "swrregcred"}]}'

## 6.生成ca和ssl证书文件

docker pull swr.ap-southeast-1.myhuaweicloud.com/edgegallery/deploy-tool:latest

export CERT\_VALIDITY\_IN\_DAYS=365

env="-e CERT\_VALIDITY\_IN\_DAYS=$CERT\_VALIDITY\_IN\_DAYS"

mkdir /root/helm-charts/keys/

docker run $env -v /root/helm-charts/keys:/certs edgegallery/deploy-tool:latest

cd /root/helm-charts/keys/ #用容器创建ca和ssl证书文件

从离线安装包copy postgres\_init.sql文件

wget http://release.edgegallery.org/daily/x86/edge/v1.0.1.tar.gz

tar -zxvf v1.0.1.tar.gz

cp ./conf/keys/postgres\_init.sql /root/helm-charts/keys

## 7.生成ingress-secret、edgegallery-ssl-secret、user-mgmt-jwt-secret

kubectl create secret generic edgegallery-ingress-secret \

--from-file=ca.crt=ca.crt \

--from-file=tls.crt=tls.crt \

--from-file=tls.key=tls.key

kubectl create secret generic edgegallery-ssl-secret \

--from-file=keystore.p12=keystore.p12 \

--from-literal=keystorePassword=te9Fmv%qaq \

--from-literal=keystoreType=PKCS12 \

--from-literal=keyAlias=edgegallery \

--from-file=trust.cer=ca.crt \

--from-file=server.cer=tls.crt \

--from-file=server\_key.pem=encryptedtls.key \

--from-literal=cert\_pwd=te9Fmv%qaq

kubectl create secret generic user-mgmt-jwt-secret \

--from-file=publicKey=rsa\_public\_key.pem \

--from-file=encryptedPrivateKey=encrypted\_rsa\_private\_key.pem \

--from-literal=encryptPassword=te9Fmv%qaq

kubectl create secret generic edgegallery-mecm-ssl-secret \

--from-file=keystore.p12=keystore.p12 \

--from-file=keystore.jks=keystore.jks \

--from-literal=keystorePassword=te9Fmv%qaq \

--from-literal=keystoreType=PKCS12 \

--from-literal=keyAlias=edgegallery \

--from-literal=truststorePassword=te9Fmv%qaq

kubectl create secret generic edgegallery-mecm-secret \

--from-file=postgres\_init.sql=postgres\_init.sql \

--from-literal=postgresPassword=te9Fmv%qaq \

--from-literal=postgresApmPassword=te9Fmv%qaq \

--from-literal=postgresAppoPassword=te9Fmv%qaq \

--from-literal=postgresInventoryPassword=te9Fmv%qaq \

--from-literal=edgeRepoUserName=admin \

--from-literal=edgeRepoPassword=admin123

## 8.安装controller的模块

helm install service-center-edgegallery /root/helm-charts/service-center -f /root/helm-charts/edgegallery-center/values.yaml

helm install user-mgmt-edgegallery /root/helm-charts/user-mgmt -f /root/helm-charts/edgegallery-center/values.yaml

helm install developer-edgegallery /root/helm-charts/developer -f /root/helm-charts/edgegallery-center/values.yaml

helm install appstore-edgegallery /root/helm-charts/appstore -f /root/helm-charts/edgegallery-center/values.yaml

helm install atp-edgegallery /root/helm-charts/atp -f /root/helm-charts/edgegallery-center/values.yaml

helm install mecm-fe-edgegallery /root/helm-charts/mecm-fe -f /root/helm-charts/edgegallery-center/values.yaml

helm install mecm-meo-edgegallery /root/helm-charts/mecm-meo -f /root/helm-charts/edgegallery-center/values.yaml --set ssl.secretName=edgegallery-mecm-ssl-secret

--set mecm.secretName=edgegallery-mecm-secret