kubeflow 安装部署

安装要求：

- ksonnet版本0.13.1或更高版本
- Kubernetes 1.8或更高版本
- 能翻墙

docker使用socks proxy，docker使用shadowsocks代理　　（注意： 所有节点都要设置）

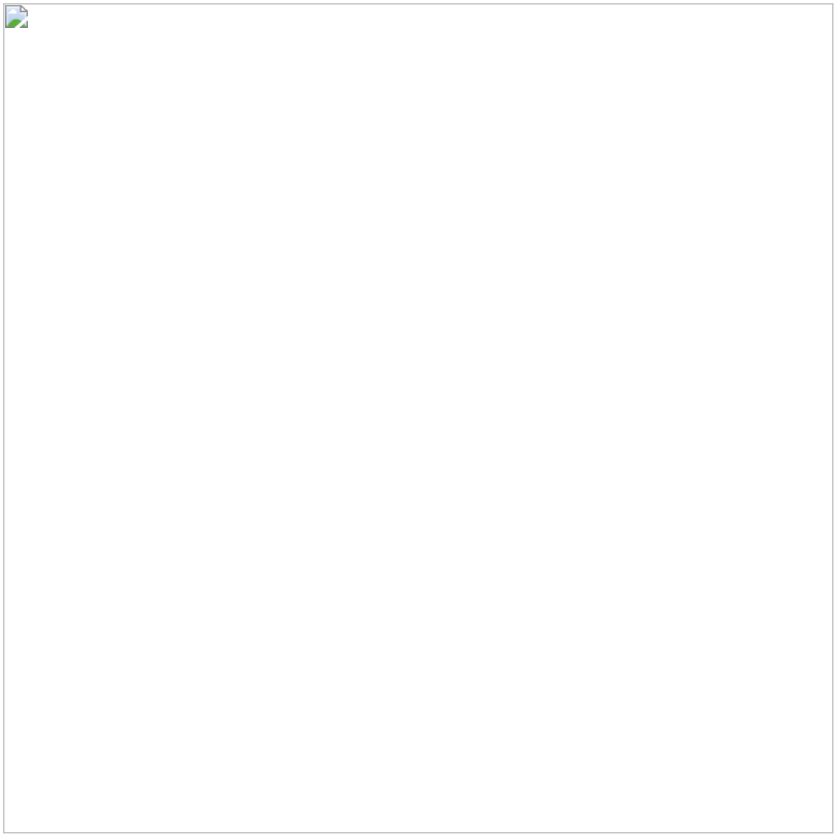
```
Docker代理设置
mkdir /etc/systemd/system/docker.service.d
vi /etc/systemd/system/docker.service.d/http-proxy.conf

[Service]
Environment="HTTP_PROXY=http://127.0.0.1:1080/"
"NO_PROXY=localhost,127.0.0.1,gj7188s1.mirror.aliyuncs.com,docker.io,registry.cn-
hangzhou.aliyuncs.com,acs-cn-hangzhou-mirror.oss-cn-hangzhou.aliyuncs.com"



# NO_PROXY可让其他镜像继续使用阿里云加速。

#重启docker
systemctl daemon-reload
systemctl restart docker
测试拉取镜像
[root@kube-node1 ks_app]# docker pull gcr.io/kubeflow-images-public/centraldashboard:v0.4.0
v0.4.0: Pulling from kubeflow-images-public/centraldashboard
4fe2ade4980c: Pull complete
be944b77acca: Pull complete
daca8351979b: Pull complete
6408a6a25f87: Pull complete
Digest: sha256:3b0a17231c1e8f0c1f6b2eda70bb212998506008176ec0ab066ffc0e7c3854bc
Status: Downloaded newer image for gcr.io/kubeflow-images-public/centraldashboard:v0.4.0
```

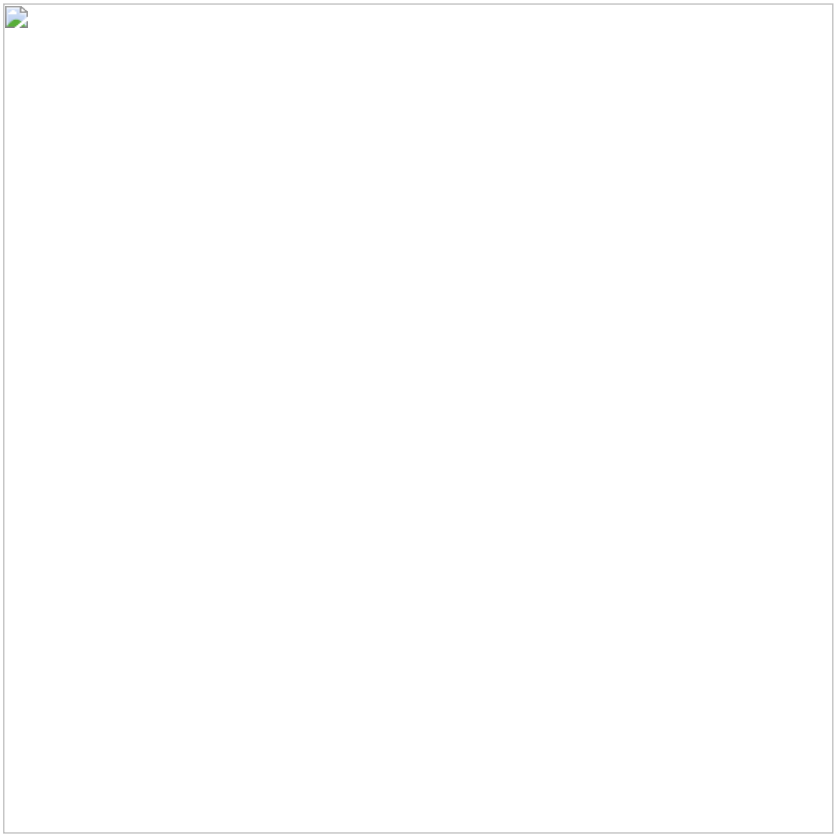
安装kubeflow

```
export KS_VER=0.13.1
export KS_PKG=ks_${KS_VER}_linux_amd64
wget -O
/tmp/${KS_PKG}.tar.gz  https://github.com/ksonnet/ksonnet/releases/download/v${KS_VER}/${KS_PKG}.tar.gz
 \
    --no-check-certificate

mkdir -p ${HOME}/bin
tar -xvf /tmp/$KS_PKG.tar.gz -C ${HOME}/bin
export PATH=$PATH:${HOME}/bin/$KS_PKG

export KUBEFLOW_SRC=/opt/kubeflow
export KFAPP=KFAPP
mkdir ${KUBEFLOW_SRC}
```

```
cd ${KUBEFLOW_SRC}
export KUBEFLOW_TAG=v0.4.1
curl  https://raw.githubusercontent.com/kubeflow/kubeflow/${KUBEFLOW_TAG}/scripts/download.sh | bash

/opt/kubeflow/scripts/kfctl.sh init KFAPP --platform none

cd ${KFAPP}
/opt/kubeflow/scripts/kfctl.sh generate k8s
/opt/kubeflow/scripts/kfctl.sh apply k8s
```

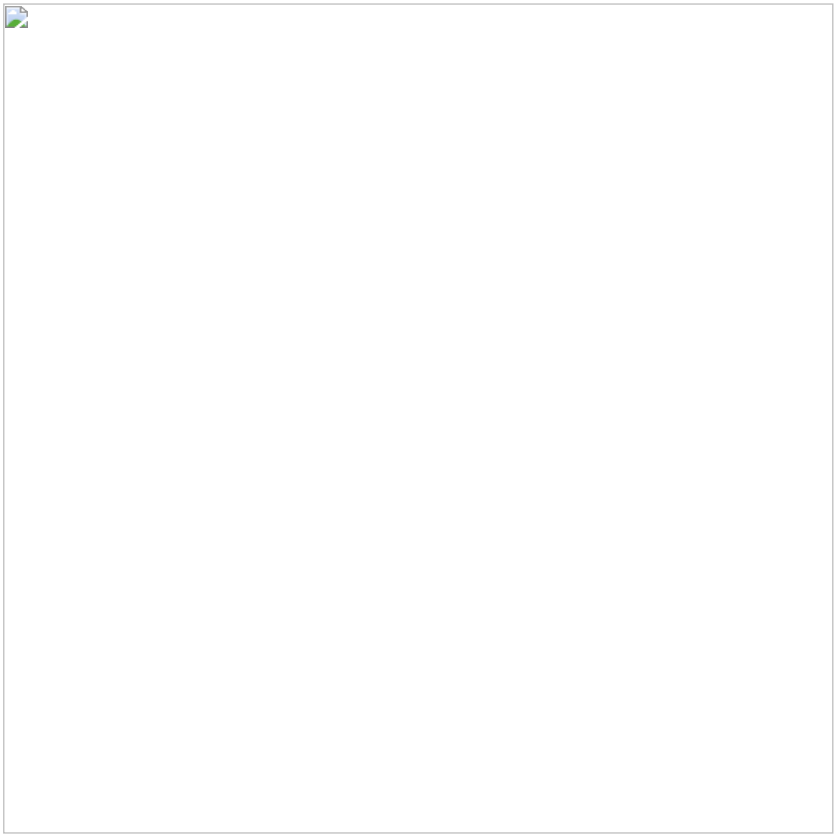
稍微等一下 ，





设置外网访问

```
$ kubectl get svc ambassador -n kubeflow -o yaml
$ diff kubeflow-ambassador-svc.yaml kubeflow-ambassador-svc.yaml.bak
27c26
<     type: NodePort
---
>     type: ClusterIP
$ kubectl apply -f kubeflow-ambassador-svc.yaml
[root@kube-node1 yz-tmp]# kubectl get svc -n kubeflow
```



访问Kubeflow UI