

Harbor 1.5_https仓库管理安装说明

环境 centos 7.3

docker 17.03

参考:

<https://www.jianshu.com/p/9cf7ab8cec41>

<http://www.mamicode.com/info-detail-1855980.html>

server 端配置

1、安装依赖

```
yum install ebtables ethtool iproute iptables socat util-linux wget vim -y
```

2、安装docker 17

```
wget -O -  
https://raw.githubusercontent.com/cherryleo/scripts/master/centos7-install  
-docker.sh | sudo sh
```

3、安装 docker-compose

```
yum install epel-release -y  
yum install python-pip -y  
pip install --upgrade pip  
pip install docker-compose
```

4、证书存放目录

```
mkdir -p /data/cert  
cd /data/cert/
```

5、创建CA证书

```
openssl req -newkey rsa:4096 -nodes -sha256 -keyout ca.key -x509 -days 365  
-out ca.crt
```

Generating a 4096 bit RSA private key

.....++

.....++

writing new private key to 'ca.key'

You are about to be asked to enter information that will be incorporated
into your certificate request.

What you are about to enter is what is called a Distinguished Name or a DN.

There are quite a few fields but you can leave some blank

For some fields there will be a default value,

If you enter '.', the field will be left blank.

Country Name (2 letter code) [XX]:CN

State or Province Name (full name) []:GuangDong

Locality Name (eg, city) [Default City]:ShenZhen

Organization Name (eg, company) [Default Company Ltd]:Sunline

Organizational Unit Name (eg, section) []:HaiTeng

Common Name (eg, your name or your server's hostname) []:Harbor

Email Address []:houfei@sunline.cn

6、生成证书签名请求

```
openssl req -newkey rsa:4096 -nodes -sha256 -keyout sunline.com.key -out
sunline.com.csr
```

Generating a 4096 bit RSA private key

.....++

.....

.....++

writing new private key to 'sunline.com.key'

You are about to be asked to enter information that will be incorporated
into your certificate request.

What you are about to enter is what is called a Distinguished Name or a DN.
There are quite a few fields but you can leave some blank

For some fields there will be a default value,

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Country Name (2 letter code) [XX]:CN

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Organizational Unit Name (eg, section) []:HaiTeng

Common Name (eg, your name or your server's hostname) []:Harbor

Email Address []:houfei@sunline.cn

Please enter the following 'extra' attributes
to be sent with your certificate request

A challenge password []:

An optional company name []:

7、生成注册表主机的证书

```
openssl x509 -req -days 365 -in sunline.com.csr -CA ca.crt -CAkey ca.key
-CACreateserial -out sunline.com.crt
Signature ok
subject=/C=CN/ST=GuangDong/L=ShenZhen/O=Sunline/OU=HaiTeng/CN=Harbor/email
Address=houfei@sunline.cn
Getting CA Private Key
```

如果你使用的是IP，比如172.16.10.65连接你的注册表主机，你可以运行下面的命令

```
echo subjectAltName = IP:10.22.60.169 > extfile.cnf
openssl x509 -req -days 365 -in sunline.com.csr -CA ca.crt -CAkey ca.key
-CACreateserial -extfile extfile.cnf -out sunline.com.crt
```

8、上传/解压harbor离线包

```
tar xvf harbor-offline-installer-v1.5.0.tgz
cd harbor
```

9、修改配置文件

```
vim harbor.cfg

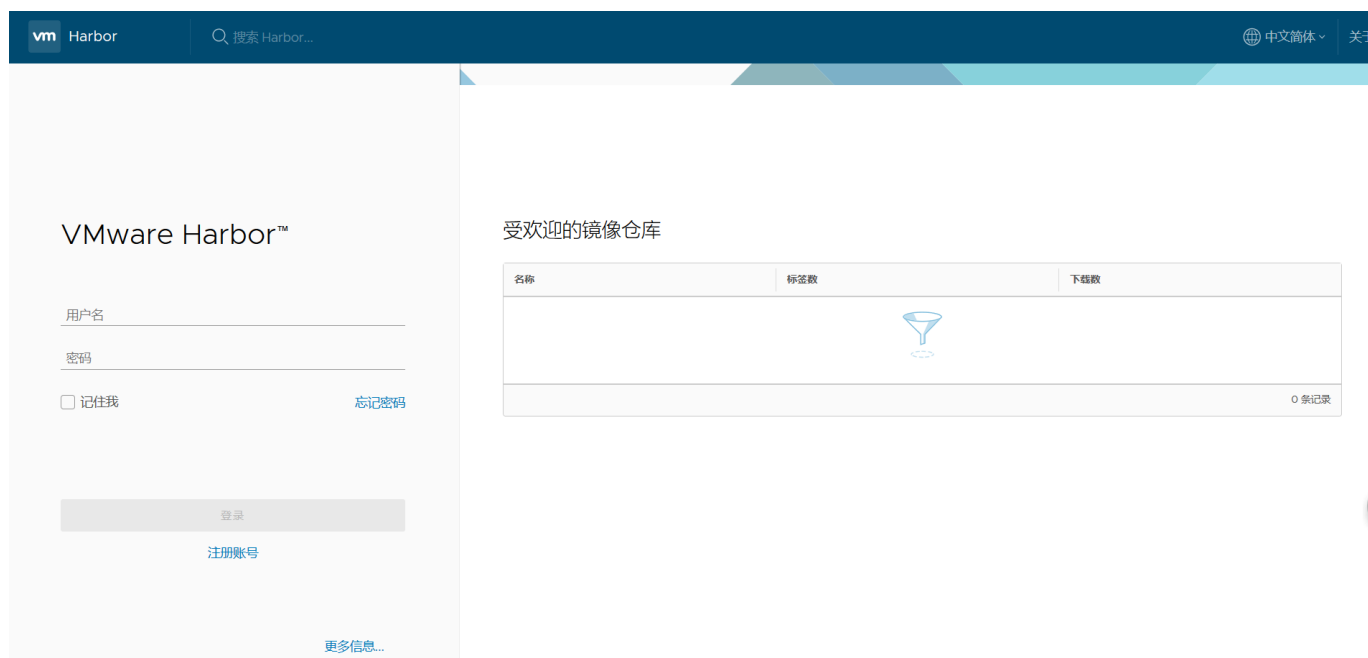
hostname = 10.22.60.169
ui_url_protocol = https
ssl_cert = /data/cert/sunline.com.crt
ssl_cert_key = /data/cert/sunline.com.key
secretkey_path = /data
```

10、安装harbor

```
./install.sh
```

11、web访问

<https://10.22.60.167>



12、创建ca证书目录并拷贝ca证书

```
cd /etc/docker/certs.d/mkdri sunline.com cp /data/cert/ca.crt  
sunline.com/cd /etc/pki/ca-trust/source/anchors/ # cacp /data/cert/ca.crt  
.
```

13、重启服务

```
update-ca-trust  
systemctl restart docker
```

client 配置

安装docker 17.03 请参考上面server安装

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添加ca证书

```
cd /etc/pki/ca-trust/source/anchors/  
scp 10.22.60.169:/data/cert/ca.crt .
```

重启docker服务

```
update-ca-trust  
systemctl restart docker
```

登录测试

```
docker login -u admin -p Harbor12345 10.22.60.169  
Login Succeeded
```