8月1号

1. 内容

搭建harbor镜像仓库

1. docker-ce

wget https://mirrors.aliyun.com/docker-ce/linux/centos/docker-ce.repo -O /etc/yum.repos.d/docker-ce.repo

yum -y install docker-ce

systemctl enable docker && systemctl start docker

docker version

#设置Docker镜像加速器：

sudo mkdir -p /etc/docker

sudo tee /etc/docker/daemon.json <<-'EOF'

{

"exec-opts": ["native.cgroupdriver=systemd"],

"registry-mirrors": ["https://b9pmyelo.mirror.aliyuncs.com"]

}

EOF

sudo systemctl daemon-reload

sudo systemctl restart docker

1. docker compose

#下载指定版本的docker-compose

wget https://github.com/docker/compose/releases/download/1.29.2/docker-compose-Linux-x86\_64 -O /usr/local/bin/docker-compose

#对二进制文件赋可执行权限

chmod +x /usr/local/bin/docker-compose

#测试下docker-compose是否安装成功

docker-compose --version

1. Harbor

tar -xf harbor-offline-installer-v2.2.3.tgz 换掉

mv harbor /opt/

cd /opt/harbor/

mv harbor.yml.tmpl harbor.yml

cat harbor.yml

hostname: har.harbor.com

# http related config

http:

# port for http, default is 80. If https enabled, this port will redirect to https port

port: 80

# https related config

https:

# https port for harbor, default is 443

port: 443

# The path of cert and key files for nginx

**certificate: /data/cert/har.harbor.crt**

**private\_key: /data/cert/har.harbor.key**

.........

1. 证书

mkdir -p /data/cert

生成CA证书私钥

openssl genrsa -out ca.key 4096

生成CA证书

openssl req -x509 -new -nodes -sha512 -days 3650 \

-subj "/C=CN/ST=Beijing/L=Beijing/O=example/OU=Personal/CN=har.harbor.com" \

-key ca.key \

-out ca.crt

生成服务器私钥

openssl genrsa -out har.harbor.com.key 4096

生成服务端CA证书

openssl req -sha512 -new \

-subj "/C=CN/ST=Beijing/L=Beijing/O=example/OU=Personal/CN=har.harbor.com" \

-key har.harbor.com.key \

-out har.harbor.com.csr

生成x509 v3 扩展文件

cat > v3.ext <<-EOF

authorityKeyIdentifier=keyid,issuer

basicConstraints=CA:FALSE

keyUsage = digitalSignature, nonRepudiation, keyEncipherment, dataEncipherment

extendedKeyUsage = serverAuth

subjectAltName = @alt\_names

[alt\_names]

DNS.1=har.harbor.com

DNS.2=harbor

EOF

生成主机证书

openssl x509 -req -sha512 -days 3650 \

-extfile v3.ext \

-CA ca.crt -CAkey ca.key -CAcreateserial \

-in har.harbor.com.csr \

-out har.harbor.com.crt

Cp 到 /data/cert harbor证书等对应路径

cp yourdomain.com.crt /data/cert/

cp yourdomain.com.key /data/cert/

增加docker证书可信

openssl x509 -inform PEM -in har.harbor.com.crt -out har.harbor.com.cert

mkdir -p /etc/docker/certs.d/har.harbor.com/

cp har.harbor.com.cert /etc/docker/certs.d/har.harbor.com/

cp har.harbor.com.key /etc/docker/certs.d/har.harbor.com/

cp ca.crt /etc/docker/certs.d/har.harbor.com/

发送至其他的docker节点

scp -r /etc/docker/certs.d [root@192.168.31.100:/etc/docker](mailto:root@192.168.31.100:/etc/docker)

可以不要

vim /etc/docker/daemon.json

{

"exec-opts": ["native.cgroupdriver=systemd"],

"registry-mirrors": ["https://b9pmyelo.mirror.aliyuncs.com","https://har.harbor.com"]

}

安装harbor

/opt/harbor/install.sh

自启动

cat > /usr/lib/systemd/system/harbor.service << EOF

[Unit]

Description=Harbor

After=docker.service systemd-networkd.service systemd-resolved.service

Requires=docker.service

Documentation=http://github.com/vmware/harbor

[Service]

Type=simple

Restart=on-failure

RestartSec=5

ExecStart=/usr/local/bin/docker-compose -f /opt/harbor/docker-compose.yml up

ExecStop=/usr/local/bin/docker-compose -f /opt/harbor/docker-compose.yml down

[Install]

WantedBy=multi-user.target

EOF

systemctl daemon-reload

systemctl enable harbor

systemctl start harbor

1. 问题

软件包下载和yum下载

Docker下载

Docker-compose下载

Harbor下载

远程访问1、配置hosts解析vim /etc/hosts

192.168.223.132 192.168.223.132

2、配置证书

1. 积累

rz -bey 上传一般乱码，最好xftp上传

Tar解压

上传到服务器目录后，需要将二进制文件拷贝到/usr/local/bin目录下，并且更改名字为docker-compose 可以直接

#下载指定版本的docker-compose

wget https://github.com/docker/compose/releases/download/1.29.2/docker-compose-Linux-x86\_64 -O /usr/local/bin/docker-compose

生成证书储存和对路径

服务启动

1. 总结