



链滴

使局域网 Docker 私服支持 Https

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原文链接: <https://ld246.com/article/1544162462144>

来源网站: [链滴](#)

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

虽然有办法使局域网机器使用ip地址访问，但还是建议用域名，可以搭建私有的dns服务器或在hosts添加

#{NEXUS_DOMAIN} = nexus为服务器域名

#{NEXUS_IP} = 192.168.59.1 为服务器IP

`cd install-dir/etc/ssl/`

```
$ keytool -genkeypair -keystore keystore.jks -storepass nexus3 -keypass nexus3 -alias jetty -k  
yalg RSA -keysize 2048 -validity 5000 -dname "CN=*.{NEXUS_DOMAIN}, OU=Example, O=So  
atype, L=Unspecified, ST=Unspecified, C=US" -ext "SAN=DNS:{NEXUS_DOMAIN},IP:{NEXUS_I  
}" -ext "BC=ca:true"
```

注：其它的证书也可以使用此命令生成

此时登录会报错

```
docker login kvmdocker:5000
```

```
Error response from daemon: Get https://kvmdocker:5000/v2/: x509: certificate has expired o  
is not yet valid
```

这是要在客户端信任刚刚生成的证书

#对于Centos系统来说certificate的存放路径是 /etc/pki/ca-trust/source/anchors

#生成cert文件

```
[root@kvmmain ~]# keytool -printcert -sslserver kvmdocker:8443 -rfc > kvmdocker.crt
```

```
[root@kvmmain ~]# yum install ca-certificates
```

```
[root@kvmmain ~]# update-ca-trust force-enable
```

#或者可以

```
[root@kvmmain ~]# mv kvmdocker.crt /etc/pki/ca-trust/source/anchors/kvmdocker.crt
```

```
[root@kvmmain ~]# update-ca-trust
```

#对于Ubuntu系统来说certificate的存放路径是 /usr/local/share/ca-certificates

#生成cert文件

```
[root@localhost ~]# keytool -printcert -sslserver 192.168.59.1:8443 -rfc > nexus.crt
```

```
[root@localhost ~]# mv nexus.crt /usr/local/share/ca-certificates/nexus.crt
```

```
[root@localhost ~]# update-ca-certificates
```

```
[root@localhost ~]# service docker restart
```

#最后重启docker

```
[root@kvmmain ~]# service docker restart
```

#此时再登录

```
[root@kvmmain ~]# docker login kvmdocker:5000
```

Username: gongdear

Password:

WARNING! Your password will be stored unencrypted in /root/.docker/config.json.

Configure a credential helper to remove this warning. See

<https://docs.docker.com/engine/reference/commandline/login/#credentials-store>

Login Succeeded

#可以看到已经登录成功 可以开心的使用私库了:)

```
[root@kvmmain ~]# docker tag 5e4ff9573f35 kvmdocker:5000/gateway/1.0
```

```
[root@kvmmain ~]# docker push kvmdocker:5000/gateway/1.0
```

328ec943d20e: Pushed

35c20f26d188: Pushed

c3fe59dd9556: Pushing [=====>] 356.7MB

6ed1a81ba5b6: Pushed

a3483ce177ce: Pushed

ce6c8756685b: Pushed

30339f20ced0: Pushed

0eb22bfb707d: Pushed

a2ae92ffcd29: Pushing [=====>] 128.9MB

上传和下载速度相当的快

附：使证书支持ip访问的方法

需要修改配置文件openssl.cnf

在Centos7系统中，文件所在位置是/etc/pki/tls/openssl.cnf。在其中的[v3_ca]部分，添加subjectAltName选项：

```
[ v3_ca ]
```

```
subjectAltName = IP:192.168.1.118
```

保持后再登录即可