搭建安全的 Web

1.安装 httpd 软件

[root@server0 ~]# yum -y install httpd

2. 搭建基于域名的虚拟 Web 主机

[root@server0 ~]# vim /etc/httpd/conf.d/nsd01.conf

```
<Virtualhost *: 80>
ServerName serverO.example.com
DocumentRoot /var/www/html
</Virtualhost>
```

```
[root@server0 ~]# echo test01 > /var/www/html/index.html
[root@server0 ~]# systemctl restart httpd
```

[root@desktop0 ~]# elinks - dump server0.example.com 客户端验证 test01

3.部署网站证书(营业执照)

4. 部署网站根证书(公安局信息)

```
[root@server0 certs]# cd /etc/pki/tls/certs <mark>整径:</mark>
[root@server0 certs]# wget http://172.25.254.254/pub/example-ca.crt
```

```
[root@server0 certs]# ls 查看
ca-bundle.crt ca-bundle.trust.crt example-ca.crt make-dummy-cert Mak
efile renew-dummy-cert server0.crt
```

5. 部署私钥用于解密

```
[root@server0 certs]# cd /etc/pki/tls/private <del>切换略径</del>!
[root@server0 private]# wget http://172.25.254.254/pub/tls/private/serve
r0.key
```

```
[root@server0 private]# ls
server0.key
```

6.安装支持 https 软件

```
[root@server0 private]# yum -y install mod_ssl
已加载插件:langpacks
```

7.修改配置文件

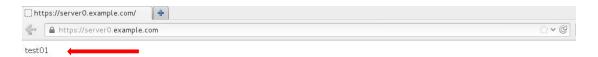
```
[root@server0 private]# cd /
[root@server0 /]# <u>v</u>im /etc/httpd/conf.d/ssl.conf
```

```
VirtualHost
 ServerName serverO.example.com: 443
                     the certificate is encrypted, then you will be prompted for a pass phrase. Note that a kill -HUP will prompt again. A new certificate can be generated using the genkey(1) command.
SSLCertificateFile /etc/pki/tls/certs/localhost.crt
 directive to point at the key file. Keep in mind that if you've both a RSA and a DSA private key you can configure both in parallel (to also allow the use of DSA ciphers, etc.)
SSLCertificateKeyFile /etc/pki/tls/private/server0.key
                           certificates for client authentication or alternatively one huge file containing all of them (file must be PEM encoded)
#SSLCACertificateFile /etc/pki/tls/certs/ca-bundle.crt
 SSLCACertificateFile /etc/pki/tls/certs/example-ca.crt
8.重启 httpd 服务
[ root@server0 /]# systemctl restart httpd
 root@desktop0 ~] # firefox https://server0.example.com
(process:30856): GLib-CRITICAL **: g_slice_set_config: assertion `sys_pa
ge size == 0' failed
```









邮件系统

用户发邮件的协议: smtp 端口 25

用户收邮件的协议: pop3 端口 110 imap 端口 143

1.安装 postfix 软件包,提供发邮件功能

```
[root@server0 /]# yum - y install postfix
已加载插件:langpacks
软件包 2:postfix-2.10.1-6.el7.x86_64 已安装并且是最新版本
```

2.修改配置文件

补充: vim 末行模式 输入: set nu 可以给每一行加上行号

```
# The default setting assumes that you use the default Postfix local
```

[root@serverO /]# vim /etc/postfix/main.cf

```
83 #mydomain = domain.tld
84
85 # SENDING MAIL
86 #
87 # The myorigin parameter specifies the domain that locally-posted
88 # mail appears to come from. The default is to append $myhostname,
89 # which is fine for small sites. If you run a domain with multiple
90 # machines, you should (1) change this to $mydomain and (2) set up
91 # a domain-wide alias database that aliases each user to
92 # user@that.users.mailhost.
93 #
94 # For the sake of consistency between sender and recipient addresses,
95 # myorigin also specifies the default domain name that is appended
96 # to recipient addresses that have no @domain part.
97 #
98 #myorigin = $myhostname
99 #myorigin = $mydomain
```

```
mydestination = $myhostname, localhost.$mydomain, localhost
#mydestination = $myhostname, localhost.$mydomain, localhost, $mydomain
#mydestination = $myhostname, localhost.$mydomain, localhost, $mydomain,
#mydestination = $myhostname, localhost.$mydomain, localhost, $mydomain,
#mydomain.
3.重启服务
[root@server0 /]# systemctl restart postfix
4.测试
[root@server0 /]# useradd yg
[root@server0 /]# useradd xln
 root@server0 /]# mail -s '九阳豆浆机' -r yg xln <
hahaxixihehelele
E0T
[root@server0 /]# mail -u xln
Heirloom Mail version 12.5 7/5/10. Type ? for help.
"/var/mail/xln": 1 message 1 new
>N 1 yg@server0.example.c Fri Dec 29 12:01 18/611
                                                               "九阳豆浆机"
& 1 🛑
Message 1:
From yg@server0.example.com Fri Dec 29 12:01:20 2017
Return-Path: <yg@server0.example.com>
X-Original-To: xln
Delivered-To: xln@server0.example.com
Date: Fri, 29 Dec 2017 12:01:20 +0800
From: yg@server0.example.com
To: xln@server0.example.com
Subject: 九阳豆浆机
User-Agent: Heirloom mailx 12.5 7/5/10
Content-Type: text/plain; charset=us-ascii
Status: R
hahaxixihehelele
& quit 👍
Held 1 message in /var/mail/xln
```