Svn的web访问方法

1. httpd+svn实现web访问svn服务器
2. http+svn方式
   1. 安装subversion软件并配置svn

#安装软件

[root@node02 ~]# yum -y install subversion.x86\_64

#创建svn工作目录

[root@node02 ~]# mkdir -p /var/www/svn/project

#初始化工作目录

[root@node02 ~]# svnadmin create /var/www/svn/project/

#配置svn用户及权限

[root@node02 ~]# vim /var/www/svn/project/conf/authz

[root@node02 ~]# tail -3 /var/www/svn/project/conf/authz

[/]

admin = rw

client = r

#配置svn用户密码

[root@node02 ~]# vim /var/www/svn/project/conf/passwd

[root@node02 ~]# cat /var/www/svn/project/conf/passwd | grep -v ^$ | grep -v ^#

[users]

admin = admin

client = client

#配置本地svn服务配置

[root@node02 ~]# vim /var/www/svn/project/conf/svnserve.conf

[root@node02 ~]# cat /var/www/svn/project/conf/svnserve.conf |grep -v ^$ | grep -v ^#

[general]

anon-access = read

auth-access = write

password-db = /var/www/svn/passwd

authz-db = /var/www/svn/authz

realm = /var/www/svn/project #repostry path

[sasl]

#复制密码文件实现多仓库共享用户

[root@node02 ~]# cd /var/www/svn/project/conf/

[root@node02 conf]# cp authz passwd /var/www/svn/

#创建httpd访问用户密码

[root@node02 conf]# cd /var/www/svn/

[root@node02 svn]# yum -y install httpd-tools.x86\_64

[root@node02 svn]# htpasswd -cm http\_passwd admin

New password: admin

Re-type new password:admin

Adding password for user admin

[root@node02 svn]# htpasswd -m http\_passwd client

New password: client

Re-type new password: client

Adding password for user client

[root@node02 svn]#

* 1. 安装http并配置

[root@node02 svn]# cd

[root@node02 ~]# yum -y install httpd mod\_dav\_svn

#编写subversion配置文件

[root@node02 ~]# cd /etc/httpd/conf.d/

[root@node02 conf.d]# cat >> subversion.conf << EOF

> <Location /svn>

> DAV svn

> SVNParentPath "/var/www/svn/"

> AuthType Basic

> AuthName "Authorization SVN"

> AuthzSVNAccessFile "/var/www/svn/authz" ★ --虚拟机--★ AuthUserFile "/var/www/svn/http\_passwd"

> Require valid-user

> </Location>

> EOF

[root@node02 conf.d]# cat subversion.conf

<Location /svn>

DAV svn

SVNParentPath "/var/www/svn/"

AuthType Basic

AuthName "Authorization SVN"

AuthzSVNAccessFile "/var/www/svn/authz"

AuthUserFile "/var/www/svn/http\_passwd"

Require valid-user

</Location>

#修改密码文件权限

[root@node02 conf.d]# cd

[root@node02 ~]# chmod 755 /var/www/svn

[root@node02 ~]# chmod 644 /var/www/svn/authz

[root@node02 ~]# chmod 644 /var/www/svn/passwd

[root@node02 ~]# chmod 644 /var/www/svn/http\_passwd

[root@node02 ~]# chmod -R 755 /var/www/svn/project/

[root@node02 ~]# chown -R apache.apche /var/www.svn/

* 1. 效果验证

[root@node02 ~]# svnserve -d -r /var/www/svn/project/

[root@node02 ~]# netstat -antpu | grep 3690

tcp 0 0 0.0.0.0:3690 0.0.0.0:\* LISTEN 2389/svnserve

[root@node02 ~]# cd /lib/systemd/system/

[root@node02 system]# svn import . file:///var/www/svn/project/ -m "Init Data"

[root@node02 ~]# systemctl restart httpd

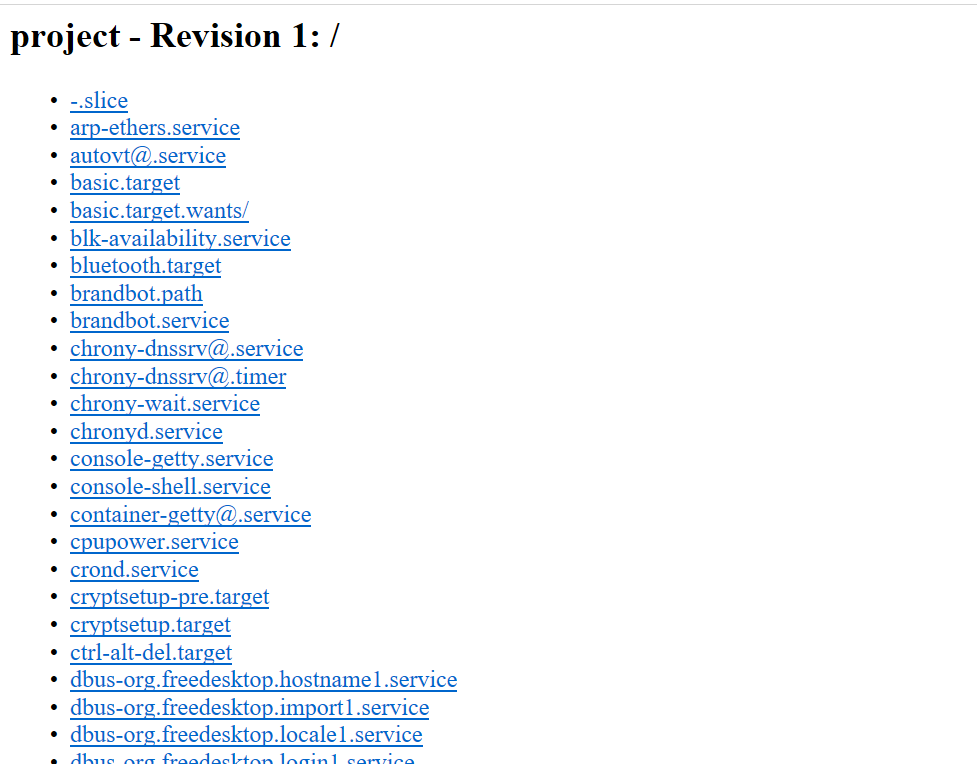
[root@node02 ~]# netstat -antup | grep httpd

tcp 0 0 0.0.0.0:80 0.0.0.0:\* LISTEN 2498/httpd

#访问web页面



#uri是/svn/project,其中svn是location定义的，project是配置文件中定义path后的，然后输入web认证用户密码admin、admin



#确认访问结果

1. https+svn方式

本实验接替上边的实验，安装subversion，mod\_dav\_svn，httpd

2.1 设置https配置文件

#准备ca证书文件，私有证书，私有秘钥

[root@node02 ~]# ls

myca.crt my.crt my.key

#安装mod\_ssl模块

[root@node02 ~]# yum -y install mod\_ssl

#修改ssl.conf文件

[root@node02 conf.d]# vim ssl.conf

[root@node02 conf.d]# cat ssl.conf | grep -v ^$ | grep -v ^#

Listen 443 https

SSLPassPhraseDialog exec:/usr/libexec/httpd-ssl-pass-dialog

SSLSessionCache shmcb:/run/httpd/sslcache(512000)

SSLSessionCacheTimeout 300

SSLRandomSeed startup file:/dev/urandom 256

SSLRandomSeed connect builtin

SSLCryptoDevice builtin

<VirtualHost \_default\_:443>

DocumentRoot "/var/www/html"

ServerName www.example.com:443

ErrorLog logs/ssl\_error\_log

TransferLog logs/ssl\_access\_log

LogLevel warn

SSLEngine on

SSLProtocol all -SSLv2 SSLCipherSuite HIGH:MEDIUM:!aNULL:!MD5:!SEED:!IDEA

SSLCertificateFile /etc/pki/tls/certs/my.crt

SSLCertificateKeyFile /etc/pki/tls/private/my.key

SSLCACertificateFile /etc/pki/tls/certs/myca.crt

<Location /svn>

DAV svn

SVNParentPath "/var/www/svn/"

AuthType Basic

AuthName "Authorization SVN"

AuthzSVNAccessFile "/var/www/svn/authz"

AuthUserFile "/var/www/svn/http\_passwd"

Require valid-user

</Location>

<Files ~ "\.(cgi|shtml|phtml|php3?)$">

SSLOptions +StdEnvVars

</Files>

2.2 重启服务

[root@node02 conf.d]# systemctl restart httpd

[root@node02 conf.d]# netstat -antpu | grep httpd

tcp 0 0 0.0.0.0:80 0.0.0.0:\* LISTEN 2826/httpd

tcp 0 0 0.0.0.0:443 0.0.0.0:\* LISTEN 2826/httpd

2.3 验证效果



