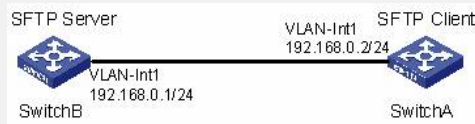


S2000-EA系列交换机SFTP功能的配置

一、组网需求:

SFTP客户端 (SwitchA) 和SFTP服务器 (SwitchB) 之间建立SSH连接, SFTP客户端 (Switch A) 登录到SFTP服务器(Switch B), 进行文件管理和文件传送等操作, 在SFTP服务器上已经存在SFTP用户名为client001、密码为abc。

二、组网图:



三、配置步骤:

1、SFTP服务器 (Switch B) 上的配置:

```
# 生成密钥对
<Sysname> system-view
[Sysname] public-key local create rsa
[Sysname] public-key local create dsa
# 在交换机上创建VLAN接口, 并为其分配IP地址, 此IP地址将作为客户端连接到SFTP
P服务器时所使用的目的地址。
[Sysname] interface vlan-interface 1
[Sysname-Vlan-interface1] ip address 192.168.0.1 255.255.255.0
[Sysname-Vlan-interface1] quit
# 设置SFTP客户端登录SFTP服务器用户界面的SSH认证方式为AAA认证。
[Sysname] user-interface vty 0 4
[Sysname-ui-vty0-4] authentication-mode scheme
# 设置交换机上远程用户登录协议为SSH。
[Sysname-ui-vty0-4] protocol inbound ssh
[Sysname-ui-vty0-4] quit
# 创建本地用户client001。
[Sysname] local-user client001
[Sysname-luser-client001] password simple abc
[Sysname-luser-client001] service-type ssh
[Sysname-luser-client001] quit
# 配置SSH用户认证方式为password。SSH的认证超时时间、尝试次数以及服务器密
钥更新时间采用系统默认值。
[Sysname] ssh user client001 authentication-type password
# 指定用户的服务类型为SFTP。
[Sysname] ssh user client001 service-type sftp
# 启动SFTP服务器。
[Sysname] sftp server enable
```

2、SFTP客户端 (Switch A) 上的配置:

```
# SwitchA上的VLAN接口的IP地址必须同SwitchB上的VLAN接口的IP地址位于同一个
网段, 这里设置为“192.168.0.2”。
<Sysname> system-view
[Sysname] interface vlan-interface 1
[Sysname-Vlan-interface1] ip address 192.168.0.2 255.255.255.0
[Sysname-Vlan-interface1] quit
# 与远程SFTP服务器建立连接, 并输入用户名client001、密码为abc进行登录, 进入s
ftp-client视图。
[Sysname] sftp 192.168.0.1
Input Username: client001
Trying 192.168.0.1 ...
Press CTRL+K to abort
Connected to 192.168.0.1 ...

The Server is not authenticated. Do you continue to access it?(Y/N):y
Do you want to save the server's public key?(Y/N):n
```

Enter password:

sftp-client>

显示服务器的当前目录，删除文件z，并检查此文件是否删除成功。

sftp-client> dir

```
-rwxrwxrwx 1 noone nogroup 1759 Aug 23 06:52 config.cfg
-rwxrwxrwx 1 noone nogroup 225 Aug 24 08:01 pubkey2
-rwxrwxrwx 1 noone nogroup 283 Aug 24 07:39 pubkey1
drwxrwxrwx 1 noone nogroup 0 Sep 01 06:22 new
-rwxrwxrwx 1 noone nogroup 225 Sep 01 06:55 pub
-rwxrwxrwx 1 noone nogroup 0 Sep 01 08:00 z
```

Received status: End of file

Received status: Success

sftp-client> delete z

The following files will be deleted:

/z

Are you sure to delete it?(Y/N):y

This operation may take a long time.Please wait...

Received status: Success

File successfully Removed

sftp-client> dir

```
-rwxrwxrwx 1 noone nogroup 1759 Aug 23 06:52 config.cfg
-rwxrwxrwx 1 noone nogroup 225 Aug 24 08:01 pubkey2
-rwxrwxrwx 1 noone nogroup 283 Aug 24 07:39 pubkey1
drwxrwxrwx 1 noone nogroup 0 Sep 01 06:22 new
-rwxrwxrwx 1 noone nogroup 225 Sep 01 06:55 pub
```

Received status: End of file

Received status: Success

新增目录new1，并检查新目录是否创建成功。

sftp-client> mkdir new1

Received status: Success

New directory created

sftp-client> dir

```
-rwxrwxrwx 1 noone nogroup 1759 Aug 23 06:52 config.cfg
-rwxrwxrwx 1 noone nogroup 225 Aug 24 08:01 pubkey2
-rwxrwxrwx 1 noone nogroup 283 Aug 24 07:39 pubkey1
drwxrwxrwx 1 noone nogroup 0 Sep 01 06:22 new
-rwxrwxrwx 1 noone nogroup 225 Sep 01 06:55 pub
drwxrwxrwx 1 noone nogroup 0 Sep 02 06:30 new1
```

Received status: End of file

Received status: Success

将目录名new1更名为new2，并查看是否更名成功。

sftp-client> rename new1 new2

File successfully renamed

sftp-client> dir

```
-rwxrwxrwx 1 noone nogroup 1759 Aug 23 06:52 config.cfg
-rwxrwxrwx 1 noone nogroup 225 Aug 24 08:01 pubkey2
-rwxrwxrwx 1 noone nogroup 283 Aug 24 07:39 pubkey1
drwxrwxrwx 1 noone nogroup 0 Sep 01 06:22 new
-rwxrwxrwx 1 noone nogroup 225 Sep 01 06:55 pub
drwxrwxrwx 1 noone nogroup 0 Sep 02 06:33 new2
```

Received status: End of file

Received status: Success

从服务器上下载文件pubkey2到本地，并更名为public。

sftp-client> get pubkey2 public

This operation may take a long time, please wait...

.

Remote file:/pubkey2 ---> Local file: public..

Received status: End of file

Received status: Success

Downloading file successfully ended

将本地文件pu上传到服务器上，更名为puk，并查看上传是否成功。

sftp-client> put pu puk

This operation may take a long time, please wait...

Local file: pu ---> Remote file: /puk

Received status: Success

Uploading file successfully ended

sftp-client> dir

-rwxrwxrwx 1 noone nogroup 1759 Aug 23 06:52 config.cfg

-rwxrwxrwx 1 noone nogroup 225 Aug 24 08:01 pubkey2

-rwxrwxrwx 1 noone nogroup 283 Aug 24 07:39 pubkey1

drwxrwxrwx 1 noone nogroup 0 Sep 01 06:22 new

drwxrwxrwx 1 noone nogroup 0 Sep 02 06:33 new2

-rwxrwxrwx 1 noone nogroup 283 Sep 02 06:35 pub

-rwxrwxrwx 1 noone nogroup 283 Sep 02 06:36 puk

Received status: End of file

Received status: Success

sftp-client>

退出SFTP。

sftp-client> quit

Bye

[Sysname]

四、配置关键点:

无