

知 V7 MSR路由器作为SSH服务端登录配置方法

SSH 朱天奇 2019-04-08 发表

组网及说明

Host (SSH客户端) 与Router建立本地连接。Host采用SSH协议登录到Router上, 以保证数据信息交换的安全。此处采用的认证方式为password认证, 用户名和密码保存在Router上。



配置步骤

1. 设备作为SSH服务端设置

生成RSA密钥对。

```
<H3C>system-view
```

System View: return to User View with Ctrl+Z.

```
[H3C]public-key local create rsa
```

The range of public key size is (512 ~ 2048).

NOTES: If the key modulus is greater than 512,

It will take a few minutes.

Press CTRL+C to abort.

Input the bits of the modulus[default = 1024]:

Generating Keys...

+++++

+++++

+++++

+++

生成DSA密钥对。

```
[H3C]public-key local create dsa
```

The range of public key size is (512 ~ 2048).

NOTES: If the key modulus is greater than 512,

It will take a few minutes.

Press CTRL+C to abort.

Input the bits of the modulus[default = 1024]:

Generating Keys...

+++++

+++++*+++++

启动SSH服务器。

```
[H3C]ssh server enable
```

配置VLAN虚接口Vlan-interface 1的IP地址为192.168.1.1, 此地址作为SSH服务器的登录地址。

```
[H3C]interface Vlan-interface 1
```

```
[H3C-Vlan-interface1] ip address 192.168.1.1 255.255.255.0
```

```
[H3C-Vlan-interface1]quit
```

设置SSH客户端登录用户界面的认证方式为password认证。

```
[H3C] line vty 0 4
```

```
[H3C-line-vty0-4]authentication-mode scheme
```

设置Router上远程用户登录协议为SSH。

```
[H3C-line-vty0-4]protocol inbound ssh
```

```
[H3C-line-vty0-4]quit
```

创建本地用户client001, 密码为aabbcc, 并设置用户访问的命令级别为最高级别3。

```
[H3C] local-user client001 class manage
```

```
[H3C-luser-manage-client001]password simple aabbcc
```

```
[H3C-luser-manage-client001]service-type ssh
```

```
[H3C-luser-manage-client001] authorization-attribute user-role network-admin
```

```
[H3C-luser-manage-client001]quit
```

配置SSH用户client001的服务类型为Stelnet, 认证方式为password认证 (此步骤非必配)。

```
[H3C]ssh user client001 service-type stelnet authentication-type password
```

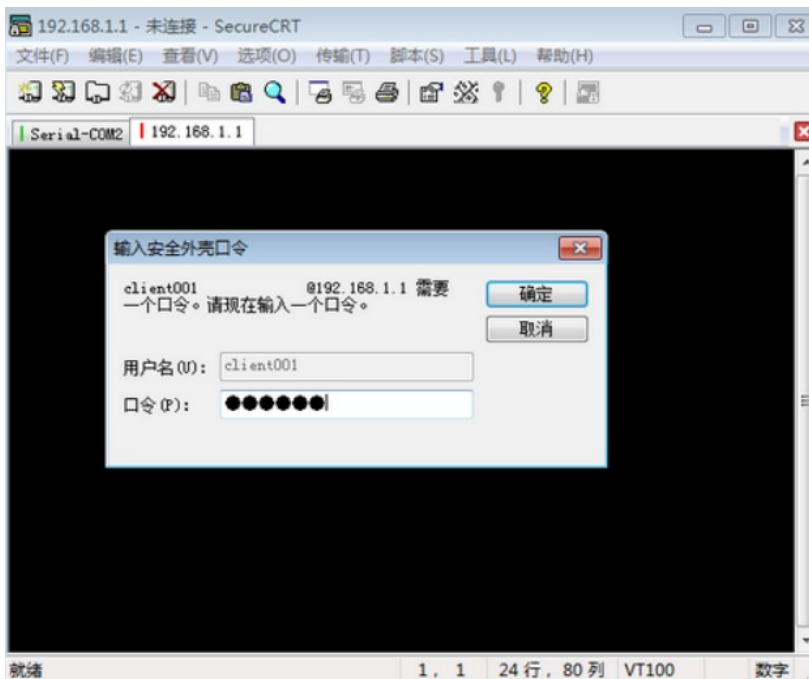
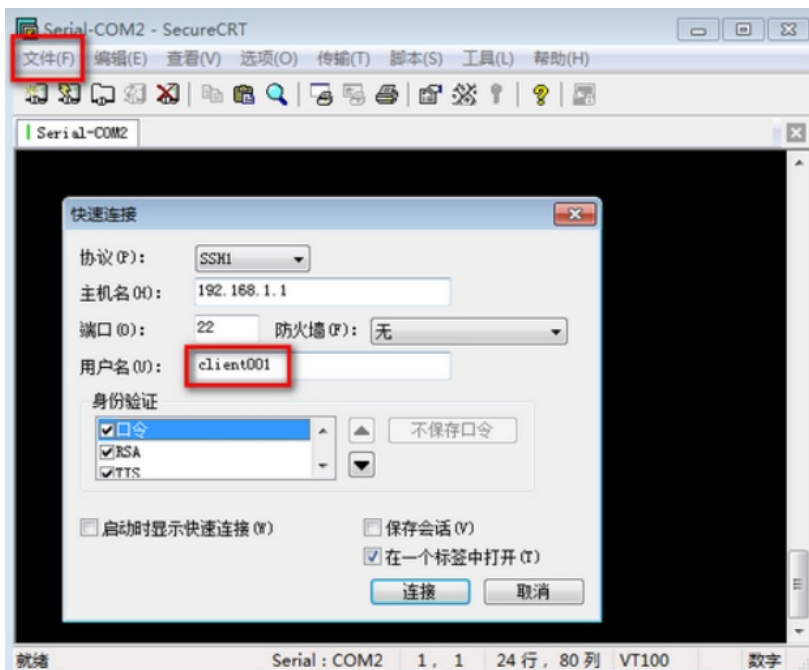
#保存配置

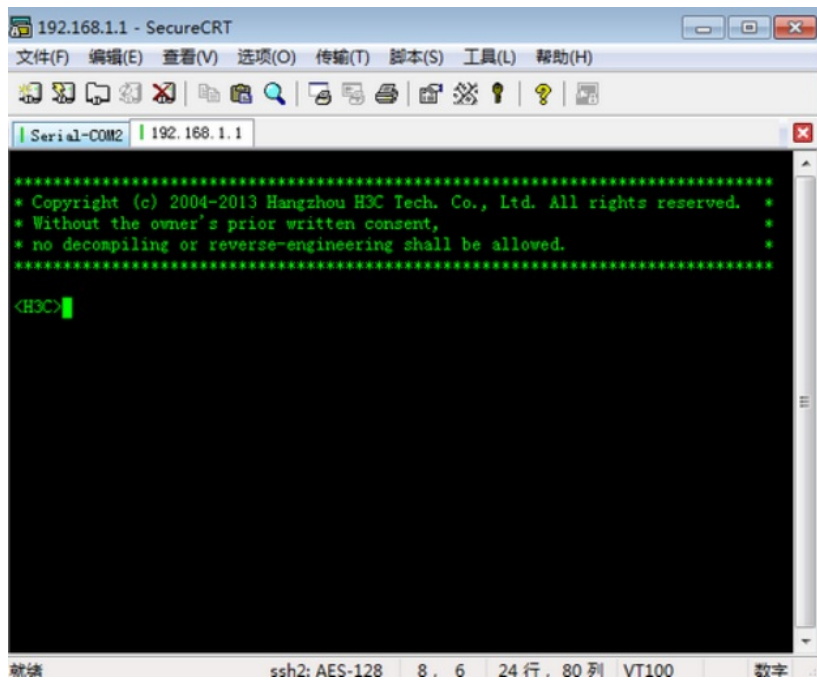
[H3C]save force

2. SSH客户端设置以及配置验证

SSH客户端软件有很多，此处以SecureCRT SecureCRT登录方式如下：

打开文件---快速连接，选择协议SSH1，输入设置的用户名和口令：





配置关键点