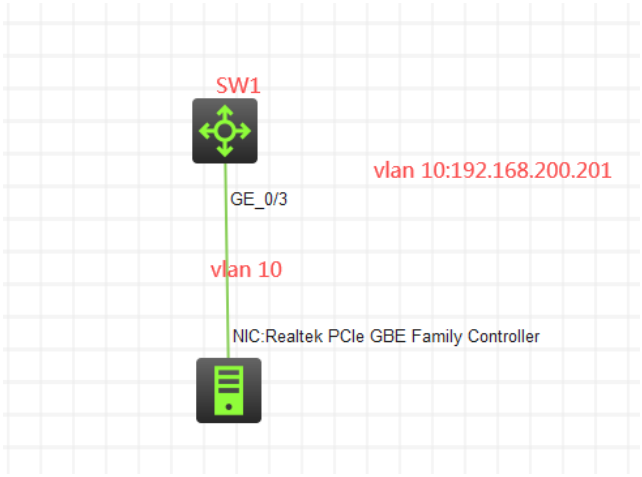
使用ACL对telnet登陆交换机限制典型组网配置案例

VLAN ACL Telnet H3C模拟器 韦家宁 2020-02-26 发表

组网及说明



组网说明：

本案例采用H3C HCL模拟器来实现telnet远程登陆管理，并通过ACL对telnet进行限定。

配置步骤

1、按照网络拓扑图正确配置IP地址及划分VLAN

2、SW1开启telnet功能，并创建相应账户及赋予权限

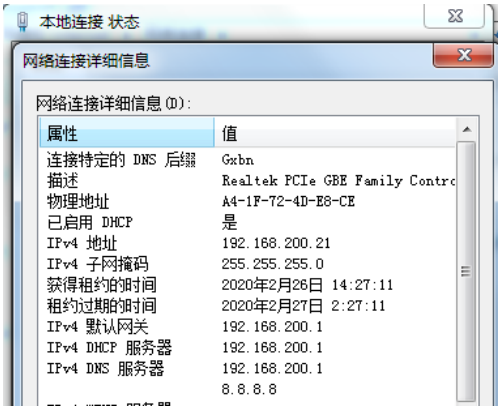
3、SW1配置ACL，仅允许192.168.200.21登陆，并绑定到telnet，对telnet登陆进行限定

配置关键点

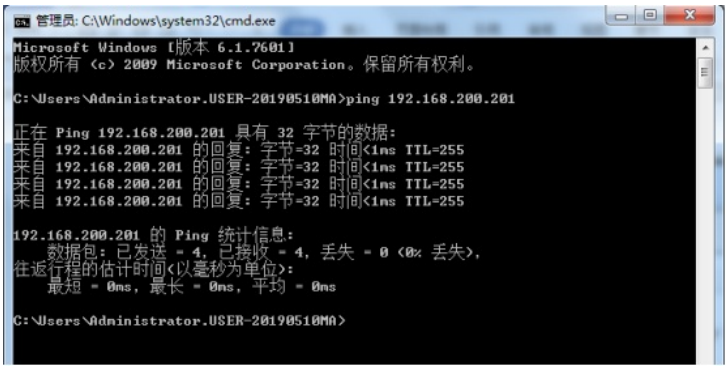
```
<H3C>sys
System View: return to User View with Ctrl+Z.
[H3C]sysname SW1
[SW1]vlan 10
[SW1-vlan10]quit
[SW1]int vlan 10
[SW1-Vlan-interface10]ip address 192.168.200.201 24
[SW1-Vlan-interface10]quit
[SW1]int gi 1/0/3
[SW1-GigabitEthernet1/0/3]port link-type access
[SW1-GigabitEthernet1/0/3]port access vlan 10
[SW1-GigabitEthernet1/0/3]quit
[SW1]local-user weijianing
New local user added.
[SW1-luser-manage-weijianing]password simple weijianing
[SW1-luser-manage-weijianing]service-type telnet
[SW1-luser-manage-weijianing]authorization-attribute user-role network-admin
[SW1-luser-manage-weijianing]quit
[SW1]telnet server enable
[SW1]line vty 0 4
[SW1-line-vty0-4]authentication-mode scheme
[SW1-line-vty0-4]protocol inbound all
[SW1-line-vty0-4]quit
[SW1]acl basic 2000
[SW1-acl-ipv4-basic-2000]rule 0 permit source 192.168.200.21 0
[SW1-acl-ipv4-basic-2000]quit
[SW1]telnet server acl 2000
```

测试：

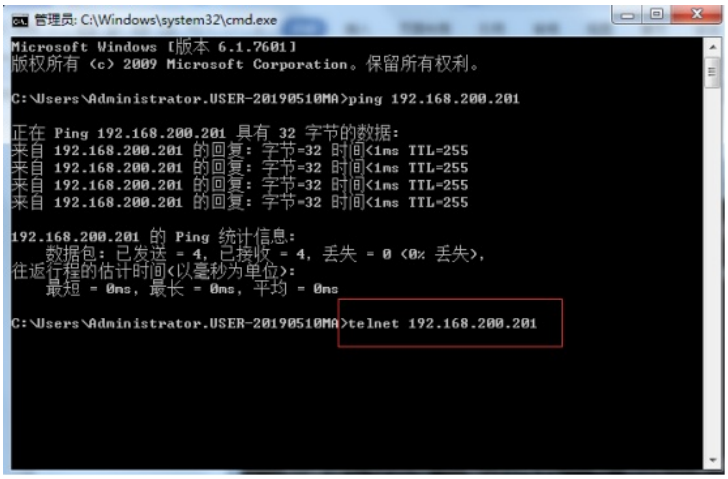
物理机填写IP地址：



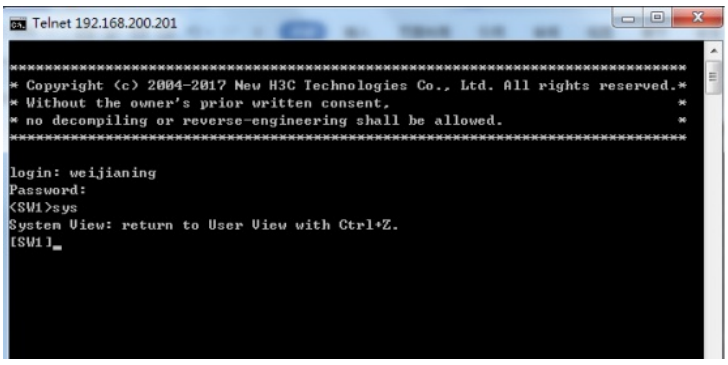
物理机能PING通SW1：



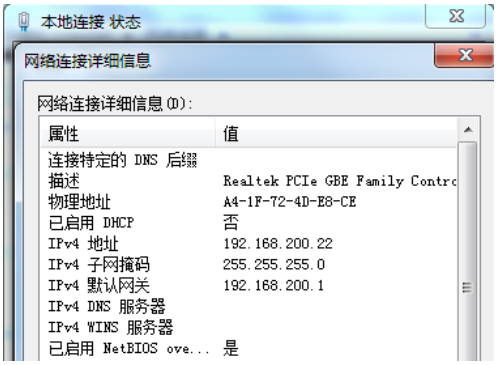
使用telnet 192.168.200.201命令，登陆交换机：



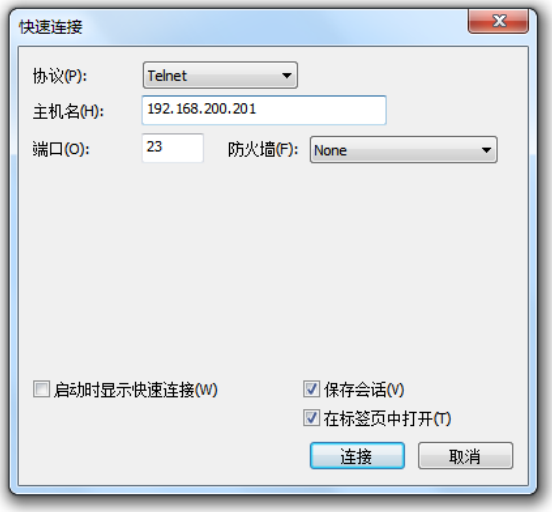
输入用户名、密码，回车，登陆成功：



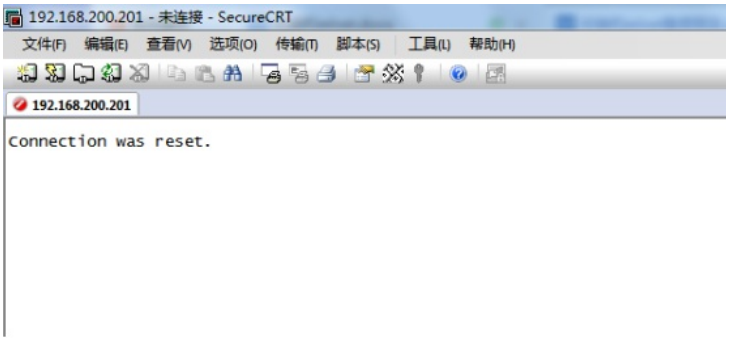
修改物理机的IP地址为：192.168.200.22



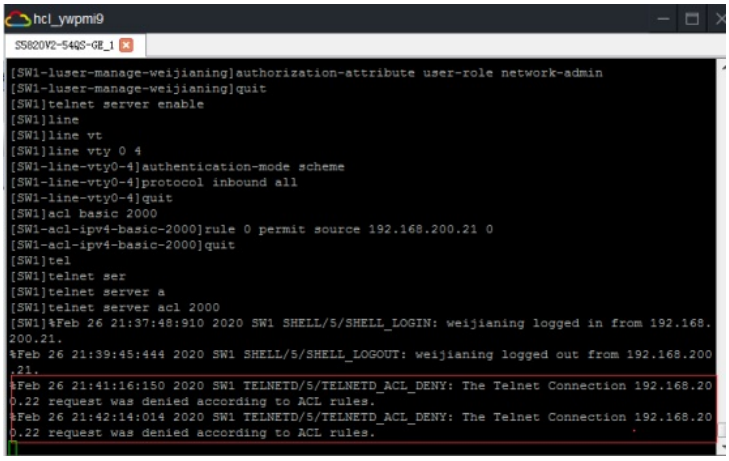
使用CRT：



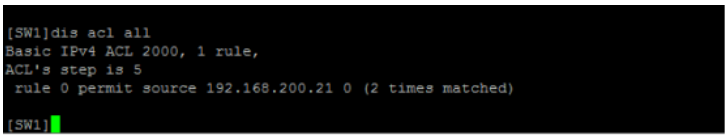
无法登陆上：



交换机有拒绝登陆的提示：



查看ACL的匹配情况：



至此，telnet登陆限制已完成！