

组网及说明

1 配置需求或说明

1.1 适用产品系列

本案例适用于如S5500-20TP-SI、S5500-52C-EI、S5500-52C-PWR-EI、S5500-34C-HI、S5800-32C-EI、5800-32F、S5800-60C-PWR、S5830-106S等S5500、S5800、S5830系列的交换机。

1.2 配置需求

Switch管理VLAN是VLAN2，开启了Telnet功能。Telnet用户主机与Switch相连，配置telnet登录用户的权限为level-1，配置超级密码的用户登录权限为level 3，用户可以通过super命令切换用户角色从而对设备配置进行操作。

2 组网图



配置步骤

3 配置步骤

3.1 Switch配置

创建管理VLAN。

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

#设置交换机系统名称为Switch

```
[H3C]sysname Switch
```

```
[Switch] vlan 2
```

```
[Switch-vlan2]quit
```

设置交换机管理地址。

```
[Switch]interface Vlan-interface 2
```

```
[Switch-Vlan-interface2]ip address 1.1.1.1 255.255.255.0
```

```
[Switch-Vlan-interface2]quit
```

设置交换机连接Router的接口加入VLAN2。

```
[H3C]interface g1/0/1
```

```
[H3C-GigabitEthernet1/0/1]port link-type access
```

```
[H3C-GigabitEthernet1/0/1]port access vlan 2
```

```
[H3C-GigabitEthernet1/0/1]quit
```

开启telnet功能。

```
[Switch]telnet server enable
```

配置使用帐号+密码方式进行telnet认证。

```
[Switch] user-interface vty 0 4
```

```
[Switch-ui-vty0-4]authentication-mode scheme
```

```
[Switch-ui-vty0-4]quit
```

创建admin帐号。

```
[Switch]local-user admin
```

配置帐号的服务类型为telnet。

```
[Switch-luser-admin]service-type telnet
```

配置帐号的密码为admin。

```
[Switch-luser-admin]password simple admin
```

#赋予帐号最高权限。

```
[Switch-luser-admin] authorization-attribute level 1
```

```
[Switch-luser-admin]quit
```

配置最高权限用户角色切换的密码。

```
[Switch] super password level 3 simple 12345
```

#保存配置

```
[Switch]save force
```

3.2 Router配置

#设置交换机系统名称为Router

```
[H3C]sysname Router
```

#Router配置接口地址，保证能和Switch互通

```
[Router]interface GigabitEthernet 0/0
```

```
[Router-GigabitEthernet0/0]ip address 1.1.1.2 255.255.255.0
```

```
[Router-GigabitEthernet0/0]quit
```

```
#保存配置
```

```
[Router]save force
```

3.3 验证配置

1) Router使用admin帐号 telnet登录Switch测试, 缺省情况下, 监控级level 1的命令包括: display、debugging、terminal、refresh、send等。

```
<Router>telnet 1.1.1.1
Trying 1.1.1.1 ...
Press CTRL+K to abort
Connected to 1.1.1.1 ...
*****
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* Without the owner's prior written consent, *
* no decompiling or reverse-engineering shall be allowed. *
*****
```

Login authentication

```
Username:admin
Password:
<Switch>sys
```

```
% Unrecognized command found at '' position.
<Switch>display ?
acl                Specify acl configuration information
archive            Display archive information
arp                Display ARP information
bootp              BOOTstrap Protocol
brief              Brief information of status and configuration for
                  interface(s)
cfcd               Connectivity fault detection (IEEE 802.1ag)
channel            Informational channel status and configuration
                  information
clipboard          Clipboard status and configuration information
clock              Clock status and configuration information
cluster            Cluster status and configuration information
command-alias      Specify command alias
component           All registered component information
connection         Display connection information
cpu-usage           Cpu usage information
debugging          Current setting of debugging switches
dhcp               Dynamic Host Configuration Protocol and BOOTP
                  debugging functions
dhcp-snooping      DHCP Snooping
diagnostic-information System information for diagnosis
lldp               LLDP status and configuration information
dns                DNS status and configuration information
---- More ----
```

2) Router使用super命令切换用户到level 3, 可以执行任何命令:

```
<Router>telnet 1.1.1.1
Trying 1.1.1.1 ...
Press CTRL+K to abort
Connected to 1.1.1.1 ...
*****
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*****
```

Login authentication

```
Username:admin
Password:
<Switch>sys
```

```
% Unrecognized command found at '' position.
<Switch>super 3
Password:
User privilege level is 3, and only those commands can be used
whose level is equal or less than this.
Privilege note: 0-VISIT, 1-MONITOR, 2-SYSTEM, 3-MANAGE
<Switch>sys
System View: return to User View with Ctrl+Z.
[Switch]
```

配置关键点