

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S3100V3-28TP-SI、S3100V3-28TP-EI、S3100V3-20TP-PWR-SI、S3100V3-28TP-PWR-EI等S3100V3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-0，配置超级密码的用户登录权限为network-admin，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level-0的权限。

```
[Switch-luser-admin]authorization-attribute user-role level-0
```

#删除默认的操作管理员权限。

```
[Switch-luser-admin]undo authorization-attribute user-role network-operator
```

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

配置最高权限用户角色切换的密码。

```
[Switch] super password role network-admin 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，level-0只能执行命令ping、tracert、ssh2、telnet和super。

```
<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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* no decompiling or reverse-engineering shall be allowed.                   *
*****

login: admin
Password:
<Switch>sys
System View: return to User View with Ctrl+Z.
[Switch]vlan 3
Permission denied.
```

2) Router使用super命令切换用户到network-admin，可以执行划分vlan等任何命令。

```
<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: admin
Password:
<Switch>sys
System View: return to User View with Ctrl+Z.
[Switch]vlan 3
Permission denied.
[Switch]
<Switch>super network-admin
Password:
User privilege role is network-admin, and only those commands that authorized to the role can be used.
<Switch>sys
System View: return to User View with Ctrl+Z.
[Switch]vlan 3
[Switch-vlan3]
```

配置关键点