

MSR93X系列路由器(V7)下联交换机实现多网段上网（交换机作为终端的网关）

静态路由 李章华 2019-08-23 发表

组网及说明

1. 配置需求或说明

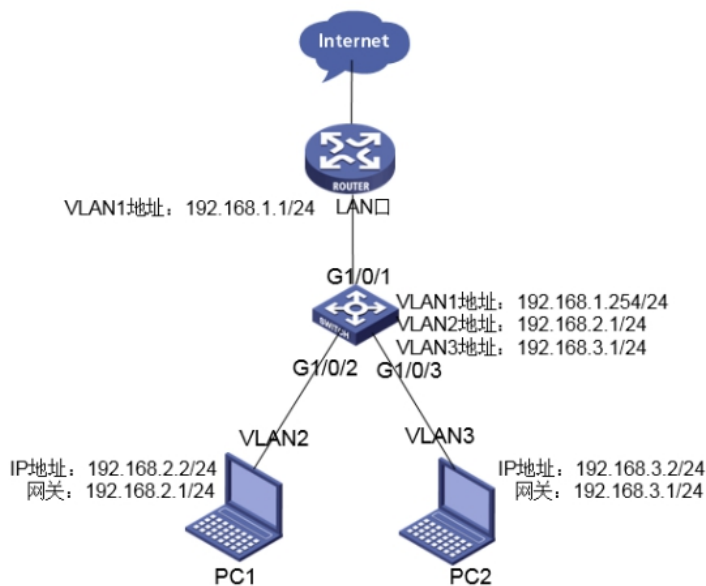
1.1 适用产品系列

本案例适用于Comware V7 软件平台MSR WiNet系列路由器，如MSR830-10BEI-WiNet、MSR830-6EI-WiNet、MSR830-5BEI-WiNet、MSR830-6BHI-WiNet、MSR830-10BHI-WiNet等。

1.2 配置需求及实现的效果

交换机作为下面两个网段，192.168.2.0/24网段和192.168.3.0/24网段的网关。在交换机上创建两个vlan虚地址，并添加缺省路由指向路由器的网关，路由器上添加两条明细的回程路由，交换机的G1/0/2接PC1，G1/0/3接PC2，要求PC1和PC2可以访问互联网（访问路由器的网关）。

2. 组网图



配置步骤

3. 配置步骤

3.1 路由器端配置

#配置虚接口地址

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

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

```
[H3C-Vlan-interface1]ip address 192.168.1.1 24
```

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

#添加两条静态路由

```
[H3C]ip route-static 192.168.2.0 24 192.168.1.254
```

```
[H3C]ip route-static 192.168.3.0 24 192.168.1.254
```

#保存配置

```
[H3C]save force
```

3.2 交换机端的配置

#创建vlan

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

```
[H3C]vlan 2 to 3
```

#创建虚接口地址，vlan2和vlan3的地址分别作为PC1和PC2的网关

```
[H3C]interface vlan 1
```

```
[H3C-Vlan-interface1]ip address 192.168.1.254 24
```

```
[H3C]interface vlan 2
```

```
[H3C-Vlan-interface2]ip address 192.168.2.1 24
```

```
[H3C]interface vlan 3
```

```
[H3C-Vlan-interface3]ip address 192.168.3.1 24
```

#将连接PC1和PC2接口划分到相应的vlan中

```
[H3C]interface GigabitEthernet 1/0/2
```

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

```
[H3C-GigabitEthernet1/0/2]interface GigabitEthernet 1/0/3
[H3C-GigabitEthernet1/0/3] port access vlan 3
#添加静态路由，指向路由器的网关
[H3C]ip route-static 0.0.0.0 0 192.168.1.1
#保存配置
[H3C]save force
```

配置关键点