

组网及说明

1 配置需求或说明

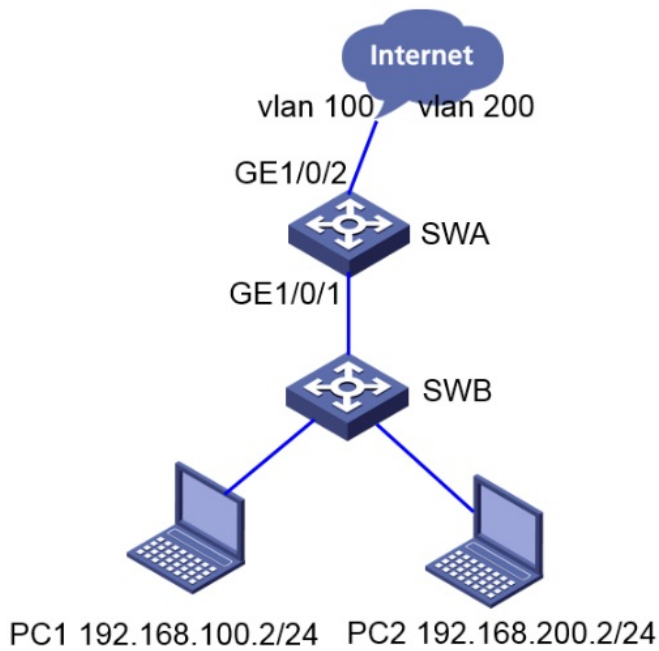
1.1适用产品系列

本案例适用于如S7000/S7500E/10500等的V7交换机，V5、V7交换机具体分类及型号可以参考“1.1 Co mware V5、V7平台交换机分类说明”。

1.2配置需求及实现的效果

PC1和PC2属于公司不同网段192.168.100.0/24、192.168.200.0/24的终端，SWB为傻瓜交换机，想要实现SWA在收到终端的业务报文后根据主机所属的不同网段使其在不同vlan内转发。当SWA收到终端192.168.100.0/24的报文使其在vlan 100内转发，收到终端192.168.200.0/24的报文使其在vlan 200转发

2 组网图



配置步骤

3 配置步骤

#在SWA上创建vlan 100和vlan 200，将vlan 100与192.168.100.0/24网段绑定，vlan 200与192.168.200.0/24网段绑定。

```
<SWA> system-view
```

```
[SWA] vlan 100
```

```
[SWA-vlan100] ip-subnet-vlan ip 192.168.100.0 255.255.255.0
```

```
[SWA-vlan100] quit
```

```
[SWA] vlan 200
```

```
[SWA-vlan200] ip-subnet-vlan ip 192.168.200.0 255.255.255.0
```

```
[SWA-vlan200] quit
```

#将GE 1/0/1的端口类型配置为hybrid，并使其在发送vlan 100和vlan 200的报文时去掉vlan tag。

```
[SWA] interface gigabitethernet 1/0/1
```

```
[SWA-GigabitEthernet1/0/1] port link-type hybrid
```

```
[SWA-GigabitEthernet1/0/1] port hybrid vlan 100 200 untagged
```

#将GE 1/0/1与基于子网的vlan关联

```
[SWA-GigabitEthernet1/0/1] port hybrid ip-subnet-vlan vlan 100
```

```
[SWA-GigabitEthernet1/0/1] port hybrid ip-subnet-vlan vlan 200
```

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

#配置SWA的上联口GE 1/0/2为trunk口，允许vlan 100和vlan 200通过。

```
[SWA] interface gigabitethernet 1/0/2
```

```
[SWA-GigabitEthernet1/0/2] port link-type trunk
```

```
[SWA-GigabitEthernet1/0/2] port trunk permit vlan 100 200
```

```
[SWA-GigabitEthernet1/0/2] quit
```

4 验证配置

#在SWA上查看所有子网VLAN的信息

```
<SWA>dis ip-subnet-vlan vlan all
```

```
VLAN ID: 100
```

```
Subnet index  IP address  Subnet mask
```

```
0             192.168.100.0 255.255.255.0
```

```
VLAN ID: 200
```

```
Subnet index  IP address  Subnet mask
```

```
0             192.168.200.0 255.255.255.0
```

#在SWA上查看显示端口GigabitEthernet1/0/1关联的子网VLAN的信息。

```
<SWA>dis ip-subnet-vlan int g1/0/1
```

```
Interface: GigabitEthernet1/0/1
```

```
VLAN ID  Subnet index  IP address  Subnet mask  Status
```

```
100     0             192.168.100.0 255.255.255.0  Active
```

```
200     0             192.168.200.0 255.255.255.0  Active
```

