

组网及说明

1 配置需求或说明

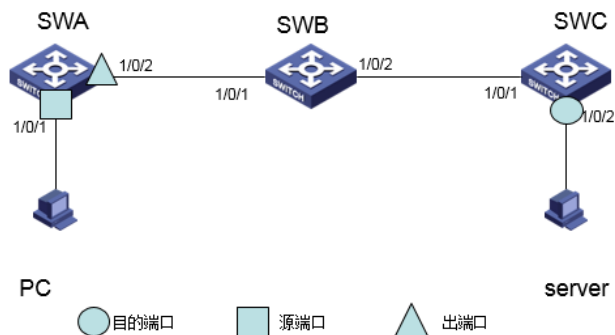
1.1 适用产品系列

本案例适用于如S3100V2-26TP-SI、S3100V2-26TP-EI、S3600V2-28TP-EI、S3600V2-28TP-SI、S3110-26TP-PWR等S3100V2、S3600V2、3110系列的交换机。

1.2 配置需求及实现的效果

在一个二层网络中，SWA通过端口GigabitEthernet1/0/1连接PC，SWC通过端口GigabitEthernet1/0/2连接server。通过配置二层远程端口镜像，使Server可以监控所有进、出PC的报文。

2 组网图



配置步骤

3 配置步骤

(1) 配置SWC

配置端口GigabitEthernet1/0/1为Trunk口，并允许VLAN 2的报文通过。

```
<SWC> system-view
```

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

```
[SWC-GigabitEthernet1/0/1] port link-type trunk
```

```
[SWC-GigabitEthernet1/0/1] port trunk permit vlan 2
```

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

创建远程目的镜像组2。

```
[SWC] mirroring-group 2 remote-destination
```

创建VLAN 2作为远程镜像VLAN。

```
[SWC] vlan 2
```

关闭VLAN 2的MAC地址学习功能。

```
[SWC-vlan2] undo mac-address mac-learning enable
```

```
[SWC-vlan2] quit
```

配置远程目的镜像组2的远程镜像VLAN为VLAN 2，目的端口为GigabitEthernet1/0/2，在该端口上关闭生成树协议并将其加入VLAN 2。

```
[SWC] mirroring-group 2 remote-probe vlan 2
```

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

```
[SWC-GigabitEthernet1/0/2] mirroring-group 2 monitor-port
```

```
[SWC-GigabitEthernet1/0/2] undo stp enable
```

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

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

(2) 配置SWB

创建VLAN 2作为远程镜像VLAN。

```
<SWB> system-view
```

```
[SWB] vlan 2
```

关闭VLAN 2的MAC地址学习功能。

```
[SWB-vlan2] undo mac-address mac-learning enable
```

```
[SWB-vlan2] quit
```

配置端口GigabitEthernet1/0/1为Trunk口，并允许VLAN 2的报文通过。

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

```
[SWB-GigabitEthernet1/0/1] port link-type trunk
```

```

[SWB-GigabitEthernet1/0/1] port trunk permit vlan 2
[SWB-GigabitEthernet1/0/1] quit
# 配置端口GigabitEthernet1/0/2为Trunk口，并允许VLAN 2的报文通过。
[SWB] interface gigabitethernet 1/0/2
[SWB-GigabitEthernet1/0/2] port link-type trunk
[SWB-GigabitEthernet1/0/2] port trunk permit vlan 2
[SWB-GigabitEthernet1/0/2] quit
(3) 配置SWA
# 创建远程源镜像组1。
<SWA> system-view
[SWA] mirroring-group 1 remote-source
# 创建VLAN 2作为远程镜像VLAN。
[SWA] vlan 2
# 关闭VLAN 2的MAC地址学习功能。
[SWA-vlan2] undo mac-address mac-learning enable
[SWA-vlan2] quit
# 配置远程源镜像组1的远程镜像VLAN为VLAN 2，源端口为GigabitEthernet1/0/1，
出端口为GigabitEthernet1/0/2。
[SWA] mirroring-group 1 remote-probe vlan 2
[SWA] mirroring-group 1 mirroring-port gigabitethernet 1/0/1 both
[SWA] mirroring-group 1 monitor-egress gigabitethernet 1/0/2
# 配置端口GigabitEthernet1/0/2为Trunk口，允许VLAN 2的报文通过，
并在该端口上关闭生成树协议。
[SWA] interface gigabitethernet 1/0/2
[SWA-GigabitEthernet1/0/2] port link-type trunk
[SWA-GigabitEthernet1/0/2] port trunk permit vlan 2
[SWA-GigabitEthernet1/0/2] undo stp enable
[SWA-GigabitEthernet1/0/2] quit
4 验证配置
# 显示SWC上所有镜像组的配置信息。
[SWC] display mirroring-group all
Mirroring group 2:
    Type: Remote destination
    Status: Active
    Monitor port: GigabitEthernet1/0/2
    Remote probe VLAN: 2
# 显示SWA上所有镜像组的配置信息。
[SWA] display mirroring-group all
Mirroring group 1:
    Type: Remote source
    Status: Active
    Mirroring port:
        GigabitEthernet1/0/1 Both
    Monitor egress port: Gigabitethernet1/0/2
    Remote probe VLAN: 2

```

配置关键点