

组网及说明

1 配置需求或说明

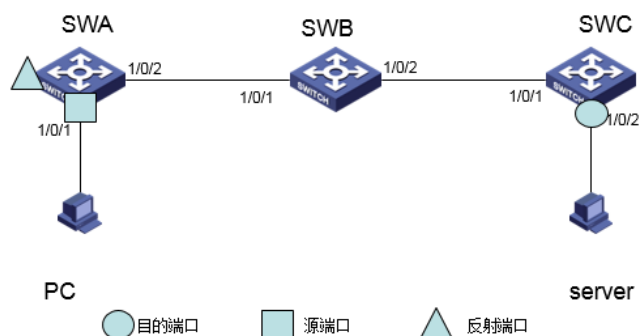
1.1 适用产品系列

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



问题描述

3 配置步骤

配置SWC

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

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。

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。
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，反射端口为Gigabit Ethernet1/0/3。
[SWA] mirroring-group 1 remote-probe vlan 2
[SWA] mirroring-group 1 mirroring-port gigabitethernet 1/0/1 both
[SWA] mirroring-group 1 reflector-port gigabitethernet 1/0/3
This operation may delete all settings made on the interface. Continue? [Y/N]: y
# 配置端口GigabitEthernet1/0/2为Trunk口，并允许VLAN 2的报文通过。
[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] 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

Reflector port: GigabitEthernet1/0/3

Remote probe VLAN: 2

过程分析

解决方法