

## 组网及说明

### 1 配置需求或说明

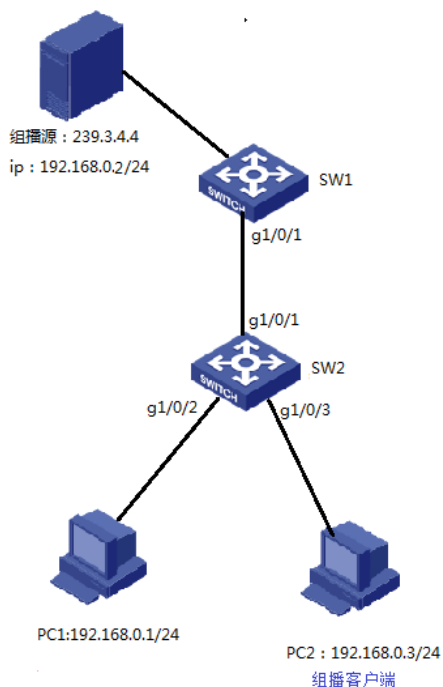
#### 1.1 适用产品系列

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

公司内部部署了一台组播源，为保证终端能正常接收组播源传输的业务，需在所经交换机上开启组播功能。

## 2 组网图



## 配置步骤

### 3 配置步骤

#### 3.1 进入SW1的命令行，全局下开启IGMP Snooping功能

```
system -view
System View: return to User View with Ctrl+Z.
[H3C] igmp-snooping
[H3C-igmp-snooping] quit
```

#### 3.2 在VLAN 1内使能IGMP Snooping，并使能IGMP Snooping查询器

```
[H3C]vlan 1
[H3C-vlan1]igmp-snooping enable
[H3C-vlan1]igmp-snooping querier
```

#### 3.3 保存配置

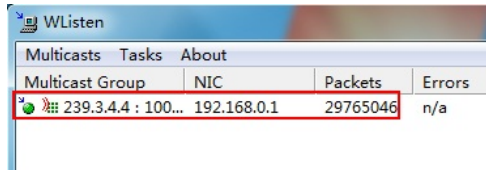
```
[H3C]save force
```

#### 3.4 进入SW2的命令行，全局和VLAN1下都开启IGMP Snooping功能

```
system-view
System View: return to User View with Ctrl+Z.
[H3C] igmp-snooping
[H3C]vlan 1
[H3C-vlan1]igmp-snooping enable
```

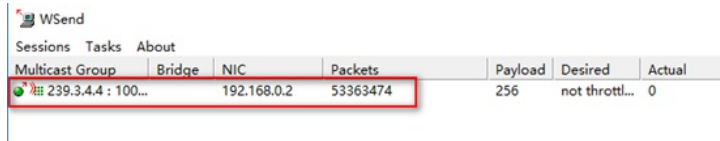
#### 3.5 检查配置结果

组播接收方:



Multicast Group	NIC	Packets	Errors
239.3.4.4 : 100...	192.168.0.1	29765046	n/a

组播源:



Multicast Group	Bridge	NIC	Packets	Payload	Desired	Actual
239.3.4.4 : 100...		192.168.0.2	53363474	256	not throttl...	0

接收侧交换机SW2信息:

查看igmp-snooping组的信息:

```
dis igmp-snooping group verbose
```

Total 2 IP Group(s).

Total 2 IP Source(s).

Total 2 MAC Group(s).

Port flags: D-Dynamic port, S-Static port, C-Copy port, P-PIM port

Subvlan flags: R-Real VLAN, C-Copy VLAN

Vlan(id):1.

Total 2 IP Group(s).

Total 2 IP Source(s).

Total 2 MAC Group(s).

Router port unit board: Mask(0x0000)

Router port(s):total 1 port(s).

GE1/0/1 (D) ( 00:00:14 ) //路由端口, 上连SW1的接口

IP group(s):the following ip group(s) match to one mac group.

IP group address:239.255.255.250

(0.0.0.0, 239.255.255.250):

Attribute: Host Port

Host port unit board: Mask(0x0000)

Host port(s):total 1 port(s).

GE1/0/3 (D) ( 00:02:58 )

MAC group(s):

MAC group address:0100-5e7f-fffa

Host port unit board: Mask(0x0000)

Host port(s):total 1 port(s).

GE1/0/3

IP group(s):the following ip group(s) match to one mac group.

IP group address:239.3.4.4 //组播组地址

(0.0.0.0, 239.3.4.4):

Attribute: Host Port

Host port unit board: Mask(0x0000)

Host port(s):total 1 port(s).

GE1/0/3 (D) ( 00:02:49 ) //主机端口, 连接Pc2的端口

MAC group(s):

MAC group address:0100-5e03-0404

Host port unit board: Mask(0x0000)

Host port(s):total 1 port(s).

GE1/0/3

配置关键点