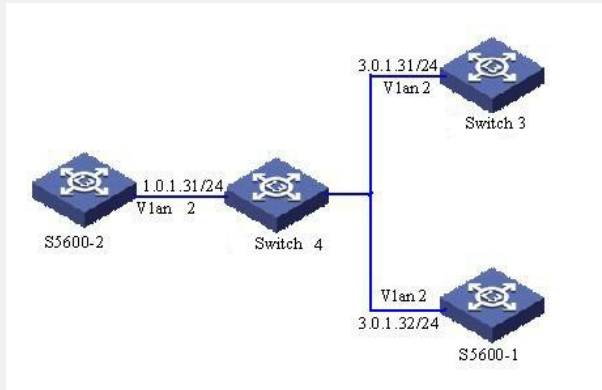


S5600 NTP组播模式的配置

一、组网需求:

1. Switch3设置本地时钟作为NTP主时钟，层数为2，并由Vlan-interface2向外发送组播消息包。
2. 设置S5600-1和S5600-2分别从各自的Vlan-interface2监听组播消息。

二、组网图



三、配置步骤:

1. 配置Switch3

- 1) 进入系统视图。

```
<Switch3> system-view
```

- 2) 进入Vlan-interface2接口视图。

```
[Switch3] interface Vlan-interface 2
```

- 3) 设置Switch3为组播服务器。

```
[Switch3-Vlan-interface2] ntp-service multicast-server
```

2. 配置S5600-1

- 1) 进入系统视图。

```
<S5600-1> system-view
```

- 2) 进入Vlan-interface2接口视图。

```
[S5600-1] interface Vlan-interface 2
```

- 3) 设置S5600-1为组播客户端。

```
[S5600-1-Vlan-interface2] ntp-service multicast-client
```

2.1配置S5600-2

- 1) 进入系统视图。

```
<S5600-2> system-view
```

- 2) 进入Vlan-interface2接口视图。

```
[S5600-2] interface Vlan-interface 2
```

- 3) 设置S5600-2为组播客户端。

```
[S5600-2-Vlan-interface2] ntp-service multicast-client
```

以上配置将S5600-1和S5600-2配置为从Vlan-interface2监听组播消息，而Switch3从Vlan-interface2发送组播消息包，由于S5600-2与Switch3不在同一网段，所以S5600-2收不到Switch3发出的组播包，而S5600-1接收到Switch3发出的组播包后与其同步。

同步后观测S5600-1的状态为：

```
[S5600-1] display ntp-service status
```

```
Clock status: synchronized
```

```
Clock stratum: 3
```

```
Reference clock ID: 3.0.1.31
```

```
Nominal frequency: 250.0000 Hz
```

```
Actual frequency: 249.9992 Hz
```

```
Clock precision: 2^19
```

```
Clock offset: 198.7425 ms
```

```
Root delay: 27.47 ms
```

```
Root dispersion: 208.39 ms
```

```
Peer dispersion: 9.63 ms
```

```
Reference time: 17:03:32.022 UTC Thu Sep 6 2001 (BF422AE4.05AEA86C)
```

此时S5600-1已经与Switch3同步，层数为3，比Switch3大1。

4) 查看S5600-1的NTP会话信息，可以看到S5600-1与Switch3建立了连接。

```
[S5600-1] display ntp-service sessions
```

```
source      reference      stra reach poll now offset delay disper
```

```
*****
```

```
[1]3.0.1.31 127.127.1.0 2 1 64 377 26.1 199.53 9.7
```

```
note: 1 source(master),2 source(peer),3 selected,4 candidate,5 configured
```

四、配置关键点：

Switch3是支持本地时钟作为主时钟的交换机。