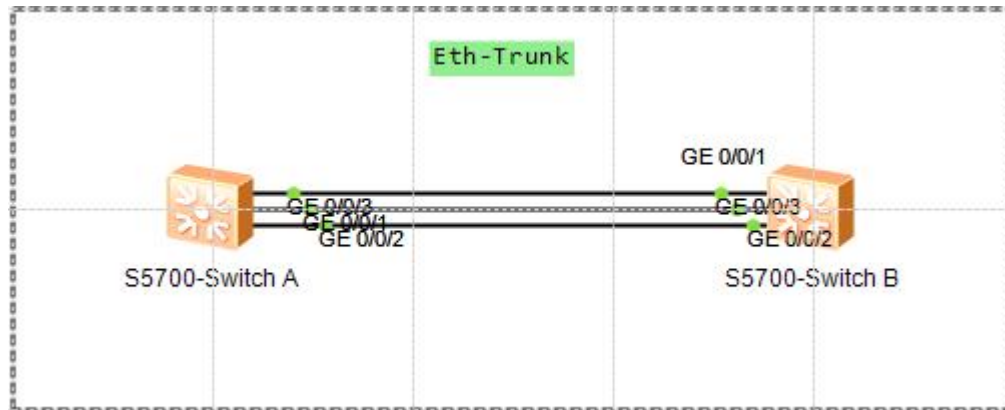


Eth-Trunk 链路聚合



链路聚合就是把两台设备之间的多条物理链路聚合在一起，形成一条逻辑链路。提高链路带宽、可靠性高、在一个聚合口上实现均衡负载

链路聚合模式有两种：

- 手动均衡负载模式
- 静态 LACP（Link Aggregation Control Protocol）模式

主要区别在 LACP 模式中有些链路充当备份链路，而在手动负载均衡模式中，所有成员都处于转发状态

Eth-Trunk 链路两端相连的物理界面的数量、速率、单双工模式、流控方式必须一致

二层链路聚合的配置

```
interface Eth-Trunk1
interface GigabitEthernet0/0/1
    eth-trunk 1
interface GigabitEthernet0/0/2
    eth-trunk 1
interface GigabitEthernet0/0/3
    eth-trunk 1
```

Eth-Trunk 链路聚合

1查看汇聚链路状态信息

```
<Switch A>dis interface Eth-Trunk 1
```

Eth-Trunk1 current state : UP

Line protocol current state : UP

Description:

Switch Port, PVID : 1, Hash arithmetic : According to SIP-XOR-DIP,Maximal BW:

3G, Current BW: 3G, The Maximum Frame Length is 9216

IP Sending Frames' Format is PKTFMT_ETHNT_2, Hardware address is 4c1f-cc24-251c

Current system time: 2017-10-10 22:00:54-08:00

Input bandwidth utilization : 0%

Output bandwidth utilization : 0%

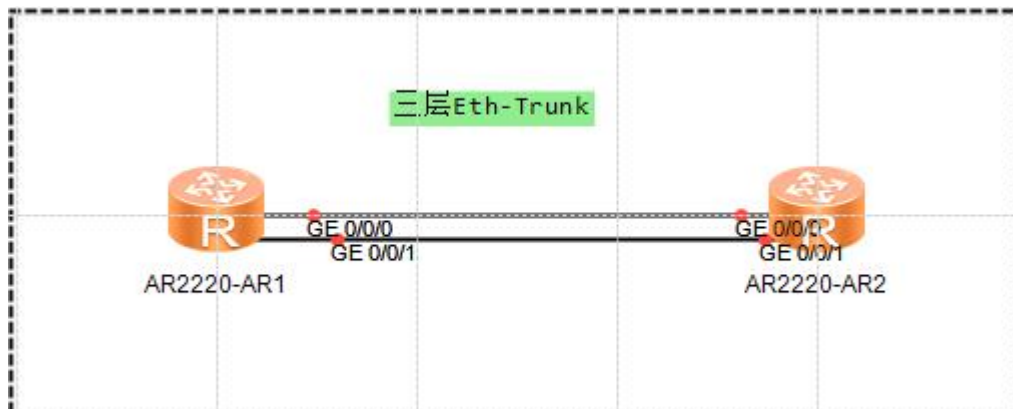
PortName	Status	Weight
GigabitEthernet0/0/1	UP	1
GigabitEthernet0/0/2	UP	1
GigabitEthernet0/0/3	UP	1

The Number of Ports in Trunk : 3

The Number of UP Ports in Trunk : 3

三层 Eth-Trunk 的配置

拓扑图



配置

```
interface Eth-Trunk1
  undo portswitch
  ip address 192.168.1.1 255.255.255.0
#
interface GigabitEthernet0/0/0
  eth-trunk 1
```

Eth-Trunk 链路聚合

#

```
interface GigabitEthernet0/0/1
eth-trunk 1
```

使用 **undo portswitch**，将原本的二层汇聚链路转换成三层汇聚链路。之后可以为三层汇聚链路逻辑口配置 IP 地址

三层汇聚链路状态信息

[Route A]display interface Eth-Trunk 1

Eth-Trunk1 current state : UP

Line protocol current state : UP

Last line protocol up time : 2017-10-10 21:57:43 UTC-08:00

Description:HUAWEI, AR Series, Eth-Trunk1 Interface

Route Port,Hash arithmetic : According to SIP-XOR-DIP,Maximal BW: 2G, Current BW : 2G, The Maximum Transmit Unit is 1500

Internet Address is 192.168.1.1/24

IP Sending Frames' Format is PKTFMT_ETHNT_2, Hardware address is 00e0-fcc0-50f6

Current system time: 2017-10-10 22:05:09-08:00

Input: 1 packets, 60 bytes

Unicast:	0,	Multicast:	0
Broadcast:	1,	Discard:	0
Total Error:	0		

Output: 1 packets, 60 bytes

Unicast:	0,	Multicast:	0
Broadcast:	1,	Discard:	0
Total Error:	0		

Input bandwidth utilization : 0%

Output bandwidth utilization : 0%

PortName	Status	Weight
GigabitEthernet0/0/0	UP	1
GigabitEthernet0/0/1	UP	1

The Number of Ports in Trunk : 2

The Number of UP Ports in Trunk : 2