

组网及说明

本案例采用H3C S5820与华为5720对接二层链路聚合典型组网

H3C S5820版本信息如下:

H3C Comware Software, Version 7.1.045, Release 2418P06

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H3C S5820V2-48S uptime is 240 weeks, 3 days, 2 hours, 10 minutes

Last reboot reason : USER reboot

华为5720版本信息如下:

Huawei Versatile Routing Platform Software

VRP (R) software, Version 5.170 (S5720 V200R010C00SPC600)

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HUAWEI S5720-56C-EI-AC Routing Switch uptime is 97 weeks, 3 days, 9 hours, 49 minutes

ES5D2T52C002 0(Master) : uptime is 97 weeks, 3 days, 9 hours, 48 minutes

DDR Memory Size : 2048 M bytes

FLASH Memory Size : 344 M bytes

Pcb Version : VER.C

BootROM Version : 020a.0001

BootLoad Version : 020a.0001

CPLD Version : 010c

Software Version : VRP (R) Software, Version 5.170 (V200R010C00SPC600)

PWR1 information

Pcb Version : PWR VER.B

PWR2 information

Pcb Version : PWR VER.B

FAN1 information

Pcb Version : NA

配置步骤

S5820的XGE1/0/25、XGE2/0/25端口与华为5720的XGE0/0/3、XGE0/0/4端口互联

配置关键点

S5820二层链路聚合配置如下:

```
interface Bridge-Aggregation25
port link-type trunk
undo port trunk permit vlan 1
port trunk permit vlan 2 to 4094
link-aggregation mode dynamic
quit
```

```
interface Ten-GigabitEthernet1/0/25
port link-mode bridge
port link-type trunk
undo port trunk permit vlan 1
port trunk permit vlan 2 to 4094
stp root-protection
port link-aggregation group 25
quit
```

```
interface Ten-GigabitEthernet2/0/25
port link-mode bridge
port link-type trunk
undo port trunk permit vlan 1
port trunk permit vlan 2 to 4094
stp root-protection
port link-aggregation group 25
```

quit

华为5720二层链路聚合配置如下:

```
interface Eth-Trunk1
port link-type trunk
undo port trunk allow-pass vlan 1
port trunk allow-pass vlan 2 to 3 12 400
mode lacp
quit
```

```
interface XGigabitEthernet0/0/3
eth-trunk 1
quit
```

```
interface XGigabitEthernet0/0/4
eth-trunk 1
quit
```

查看S5820链路聚合的状态均为S:

```
dis link-aggregation verbose Bridge-Aggregation 25
Loadsharing Type: Shar -- Loadsharing, NonS -- Non-Loadsharing
Port Status: S -- Selected, U -- Unselected, I -- Individual
Flags: A -- LACP_Activity, B -- LACP_Timeout, C -- Aggregation,
       D -- Synchronization, E -- Collecting, F -- Distributing,
       G -- Defaulted, H -- Expired
```

Aggregate Interface: Bridge-Aggregation25

Aggregation Mode: Dynamic

Loadsharing Type: Shar

System ID: 0x8000, 741f-4a25-ae4b

Local:

Port	Status	Priority	Oper-Key	Flag
XGE1/0/25	S	32768	16	{ACDEF}
XGE2/0/25	S	32768	16	{ACDEF}

Remote:

Actor	Partner	Priority	Oper-Key	SystemID	Flag
XGE1/0/25	1	32768	321	0x8000, a849-4d88-4f00	{ACDEF}
XGE2/0/25	2	32768	321	0x8000, a849-4d88-4f00	{ACDEF}

查看华为5720的链路聚合状态:

```
dis eth-trunk 1
Eth-Trunk1's state information is:
Local:
LAG ID: 1          WorkingMode: LACP
Preempt Delay: Disabled   Hash arithmetic: According to SIP-XOR-DIP
System Priority: 32768    System ID: a849-4d88-4f00
Least Active-linknumber: 1 Max Active-linknumber: 8
Operate status: up      Number Of Up Port In Trunk: 2
```

ActorPortName	Status	PortType	PortPri	PortNo	PortKey	PortState	Weight
XGigabitEthernet0/0/3	Selected	10GE	32768	1	321	10111100	1
XGigabitEthernet0/0/4	Selected	10GE	32768	2	321	10111100	1

Partner:

ActorPortName	SysPri	SystemID	PortPri	PortNo	PortKey	PortState
XGigabitEthernet0/0/3	32768	741f-4a25-ae4b	32768	25	16	10111100
XGigabitEthernet0/0/4	32768	741f-4a25-ae4b	32768	155	16	10111100

至此, S5820与华为5720对接二层链路聚合典型组网配置案例已完成!

