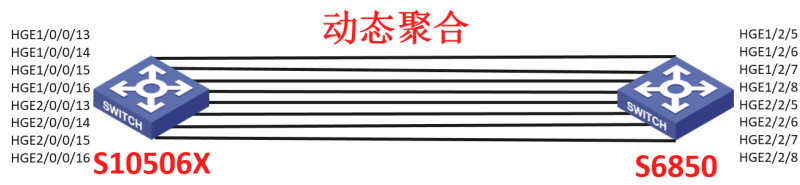


知 某局点S10506X与S6850做动态聚合有端口协议down

二层链路聚合

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组网及说明



问题描述

S10506X与S6850交换机互连100G端口做了动态链路聚合，其中两端各有两个端口物理状态up但是协议状态down

过程分析

1、查看两端交换机端口状态，协议状态down的原因是因为动态链路聚合。

S10506X

HundredGigE1/0/0/14

Current state: **UP**

Line protocol state: **DOWN(LAGG)**

HundredGigE1/0/0/15

Current state: **UP**

Line protocol state: **DOWN(LAGG)**

6850

HundredGigE1/2/5

Current state: **UP**

Line protocol state: **DOWN(LAGG)**

HundredGigE1/2/7

Current state: **UP**

Line protocol state: **DOWN(LAGG)**

2、查看链路聚合详细信息，物理状态up但是协议状态down的几个端口在链路聚合中是未选中状态。

S10506X

Aggregate Interface: Bridge-Aggregation103

Creation Mode: Manual

Aggregation Mode: Dynamic

Loadsharing Type: Shar

Management VLANs: None

System ID: 0x8000, 40fe-956f-da00

Local:

Port	Status	Priority	Index	Oper-Key	Flag
HGE1/0/0/13	S	32768	49	4	{ACDEF}
HGE1/0/0/14	U	32768	53	4	{ACDE}
HGE1/0/0/15	U	32768	59	4	{ACDE}
HGE1/0/0/16	S	32768	67	4	{ACDEF}
HGE2/0/0/13(R)	S	32768	4	4	{ACDEF}
HGE2/0/0/14	S	32768	14	4	{ACDEF}
HGE2/0/0/15	S	32768	22	4	{ACDEF}
HGE2/0/0/16	S	32768	37	4	{ACDEF}

6850

Aggregate Interface: Bridge-Aggregation100

Creation Mode: Manual

Aggregation Mode: Dynamic

Loadsharing Type: Shar

Management VLANs: None

System ID: 0x8000, 642f-c759-9196

Local:

Port	Status	Priority	Index	Oper-Key	Flag
HGE1/2/5	S	32768	11	11	{ACDEF}
HGE1/2/6	U	32768	21	11	{ACD}
HGE1/2/7	U	32768	22	11	{ACD}
HGE1/2/8	S	32768	23	11	{ACDEF}
HGE2/2/5	S	32768	34	11	{ACDEF}
HGE2/2/6	S	32768	44	11	{ACDEF}
HGE2/2/7	S	32768	45	11	{ACDEF}
HGE2/2/8	S	32768	46	11	{ACDEF}

3、查看相应配置，并无问题

S10506X

interface Bridge-Aggregation103

port link-type trunk

port trunk permit vlan all

link-aggregation mode dynamic

#

interface HundredGigE1/0/0/13

port link-mode bridge

port link-type trunk

```
port trunk permit vlan all
port link-aggregation group 103
```

解决方法

交叉互联线缆，恢复正常链路 4

```
port link-mode bridge
port link-type trunk
port trunk permit vlan all
port link-aggregation group 103
```

#

```
interface HundredGigE1/0/0/15
port link-mode bridge
port link-type trunk
port trunk permit vlan all
port link-aggregation group 103
```

#

```
interface HundredGigE1/0/0/16
port link-mode bridge
port link-type trunk
port trunk permit vlan all
port link-aggregation group 103
```

#

```
interface HundredGigE2/0/0/13
port link-mode bridge
port link-type trunk
port trunk permit vlan all
port link-aggregation group 103
```

#

```
interface HundredGigE2/0/0/14
port link-mode bridge
port link-type trunk
port trunk permit vlan all
port link-aggregation group 103
```

#

```
interface HundredGigE2/0/0/15
port link-mode bridge
port link-type trunk
port trunk permit vlan all
port link-aggregation group 103
```

#

```
interface HundredGigE2/0/0/16
port link-mode bridge
port link-type trunk
port trunk permit vlan all
port link-aggregation group 103
```

6850

```
interface Bridge-Aggregation100
port link-type trunk
port trunk permit vlan all
link-aggregation mode dynamic
```

#

```
interface HundredGigE1/2/5
port link-mode bridge
port link-type trunk
port trunk permit vlan all
port link-aggregation group 100
```

#

```
interface HundredGigE1/2/5
port link-mode bridge
port link-type trunk
port trunk permit vlan all
port link-aggregation group 100
```

#

```
interface HundredGigE1/2/7
port link-mode bridge
```

```
port link-type trunk
port trunk permit vlan all
```