

问题描述

现场两台交换机做的堆叠，想增加bfd配置，然后将1/0/47----2/0/47，2/0/47----2/0/48连接起来时发现接口不up，两个46口互连也不up。但是接口直接连接服务器就能up，服务器网卡是25G。

此交换机接口大部分是25G接口，接的25G光模块，接其他设备都能up。目前发现互连的接口除了堆叠的100G口，都不能up。

WGE1/0/47	DOWN auto	A	A	1	pT:YHDC-5F1A03-YWZY-UNIS7
WGE1/0/48	DOWN auto	A	A	1	pT:YHDC-5F1A03-YWZY-UNIS7
WGE2/0/47	DOWN auto	A	A	1	pT:YHDC-5F1A03-YWZY-UNIS7
WGE2/0/48	DOWN auto	A	A	1	pT:YHDC-5F1A03-YWZY-UNIS7

查了光模块适配性没问题，光收发正常。

Twenty-FiveGigE1/0/47 transceiver diagnostic information:

Current diagnostic parameters:

Temp.(C)	Voltage(V)	Bias(mA)	RX power(dBm)	TX power(dBm)
33	3.32	6.88	-0.62	-0.46

Alarm thresholds:

Temp.(C)	Voltage(V)	Bias(mA)	RX power(dBm)	TX power(dBm)
High 80	3.63	20.00	4.40	4.40
Low -10	2.97	0.50	-12.30	-10.40

Twenty-FiveGigE1/0/48 transceiver diagnostic information:

Current diagnostic parameters:

Temp.(C)	Voltage(V)	Bias(mA)	RX power(dBm)	TX power(dBm)
34	3.32	6.88	-0.65	-0.63

Alarm thresholds:

Temp.(C)	Voltage(V)	Bias(mA)	RX power(dBm)	TX power(dBm)
High 80	3.63	20.00	4.40	4.40
Low -10	2.97	0.50	-12.30	-10.40

Twenty-FiveGigE2/0/47 transceiver diagnostic information:

Current diagnostic parameters:

Temp.(C)	Voltage(V)	Bias(mA)	RX power(dBm)	TX power(dBm)
34	3.33	6.88	-0.42	-0.52

Alarm thresholds:

Temp.(C)	Voltage(V)	Bias(mA)	RX power(dBm)	TX power(dBm)
High 80	3.63	20.00	4.40	4.40
Low -10	2.97	0.50	-12.30	-10.40

Twenty-FiveGigE2/0/48 transceiver diagnostic information:

Current diagnostic parameters:

Temp.(C)	Voltage(V)	Bias(mA)	RX power(dBm)	TX power(dBm)
36	3.33	6.88	0.08	-0.61

Alarm thresholds:

Temp.(C)	Voltage(V)	Bias(mA)	RX power(dBm)	TX power(dBm)
High 80	3.63	20.00	4.40	4.40
Low -10	2.97	0.50	-12.30	-10.40

## 过程分析

查看端口的fec mode不一致:

Twenty-FiveGigE1/0/47

Current state: DOWN

Line protocol state: DOWN

IP packet frame type: Ethernet II, hardware address: hhhh-hhhh-hhhh

Description:

Bandwidth: 25000000 kbps

Loopback is not set

Media type is optical fiber, port hardware type is 25G\_BASE\_SR\_SFP28

FEC mode: RS-528

Twenty-FiveGigE2/0/47

Current state: DOWN

Line protocol state: DOWN

IP packet frame type: Ethernet II, hardware address: hhhh-hhhh-hhhh

Description:

Bandwidth: 25000000 kbps

Loopback is not set

Media type is optical fiber, port hardware type is 25G\_BASE\_SR\_SFP28

FEC mode: BASE-R

#### 解决方法

需要进端口视图手动修改下，“port fec mode base-r/rs-fec”，两侧要一致，建议调整成rs-fec，然后再对接；

端口历史上插过电模块或者电缆都是有可能刷新过FEC模式、或者历史上有人调整过，都有可能引起FEC mode变化的；

