

知 某局点S5130S-EI备机发生握手重启

以太网接口 堆叠 李先福 2020-02-28 发表

组网及说明

略

问题描述

客户反馈有一组S5130S-EI备机发生握手重启。

Slot 2:

Uptime is 0 weeks,0 days,6 hours,7 minutes

S5130S-28P-EI with 1 Processor

BOARD TYPE: S5130S-28P-EI

DRAM: 512M bytes

FLASH: 256M bytes

PCB 1 Version: VER.B

Bootrom Version: 121

CPLD 1 Version: 001

Release Version: H3C S5130S-28P-EI-6126P20

Patch Version : None

Reboot Cause : DEVHandShakeReboot

过程分析

(1) 查看堆叠线缆，客户配了两条堆叠口，但实际只用了一条

=====display irf cOnfiguration=====

MemberID	NewID	IRF-Port1	IRF-Port2
1	1	GigabitEthernet1/0/25	disable
		GigabitEthernet1/0/26	
2	2	disable	GigabitEthernet2/0/25
			GigabitEthernet2/0/26

(2) 查看logfile，发现设备其实有过两次重启记录，都是因为堆叠线缆在UP/DOWN

两次重启的日志：

```
%@20664%Jan 9 20:08:03:255 2013 SW-14F-1 IFNET/5/LINK_UPDOWN: Line protocol state on the interface GigabitEthernet1/0/25 changed to down.
```

```
%@20665%Jan 9 20:08:07:155 2013 SW-14F-1 STM/3/STM_LINK_DOWN: IRF port 1 went down.
```

```
%@20666%Jan 9 20:08:07:282 2013 SW-14F-1 DEV/5/BOARD_REBOOT: Board is rebooting on slot 2.
```

```
%@20664%Jan 9 20:08:03:255 2013 SW-14F-1 IFNET/5/LINK_UPDOWN: Line protocol state on the interface GigabitEthernet1/0/25 changed to down.
```

```
%@20665%Jan 9 20:08:07:155 2013 SW-14F-1 STM/3/STM_LINK_DOWN: IRF port 1 went down.
```

```
%@20666%Jan 9 20:08:07:282 2013 SW-14F-1 DEV/5/BOARD_REBOOT: Board is rebooting on slot 2.
```

设备上其他端口也频繁报UP/DOWN：

```
%@20507%Jan 9 19:48:47:446 2013 SW-14F-1 IFNET/3/PHY_UPDOWN: Physical state on the interface GigabitEthernet2/0/6 changed to down.
```

```
%@20508%Jan 9 19:48:47:451 2013 SW-14F-1 IFNET/5/LINK_UPDOWN: Line protocol state on the interface GigabitEthernet2/0/6 changed to down.
```

```
%@20509%Jan 9 19:48:52:887 2013 SW-14F-1 IFNET/3/PHY_UPDOWN: Physical state on the interface GigabitEthernet2/0/6 changed to up.
```

```
%@20510%Jan 9 19:48:52:888 2013 SW-14F-1 IFNET/5/LINK_UPDOWN: Line protocol state on the interface GigabitEthernet2/0/6 changed to up.
```

```
%@20511%Jan 9 19:49:20:678 2013 SW-14F-1 IFNET/3/PHY_UPDOWN: Physical state on the interface GigabitEthernet1/0/16 changed to up.
```

```
%@20512%Jan 9 19:49:20:683 2013 SW-14F-1 IFNET/5/LINK_UPDOWN: Line protocol state on the interface GigabitEthernet1/0/16 changed to up.
```

```
%@20513%Jan 9 19:49:21:551 2013 SW-14F-1 IFNET/3/PHY_UPDOWN: Physical state on the interface GigabitEthernet1/0/16 changed to down.
```

```
%@20514%Jan 9 19:49:21:552 2013 SW-14F-1 IFNET/5/LINK_UPDOWN: Line protocol state on the interface GigabitEthernet1/0/16 changed to down.
```

```
%@20515%Jan 9 19:49:51:635 2013 SW-14F-1 IFNET/3/PHY_UPDOWN: Physical state on the interface GigabitEthernet1/0/16 changed to up.
```

```
%@20516%Jan 9 19:49:51:635 2013 SW-14F-1 IFNET/5/LINK_UPDOWN: Line protocol state on the interface GigabitEthernet1/0/16 changed to up.
```

%@20517%Jan 9 19:49:52:421 2013 SW-14F-1 IFNET/3/PHY_UPDOWN: Physical state on the interface GigabitEthernet1/0/16 changed to down.

%@20518%Jan 9 19:49:52:422 2013 SW-14F-1 IFNET/5/LINK_UPDOWN: Line protocol state on the interface GigabitEthernet1/0/16 changed to down.

%@20519%Jan 9 19:50:46:886 2013 SW-14F-1 IFNET/3/PHY_UPDOWN: Physical state on the interface GigabitEthernet1/0/16 changed to up.

%@20520%Jan 9 19:50:46:887 2013 SW-14F-1 IFNET/5/LINK_UPDOWN: Line protocol state on the interface GigabitEthernet1/0/16 changed to up.

%@20521%Jan 9 19:50:47:698 2013 SW-14F-1 IFNET/3/PHY_UPDOWN: Physical state on the interface GigabitEthernet1/0/16 changed to down.

%@20522%Jan 9 19:50:47:700 2013 SW-14F-1 IFNET/5/LINK_UPDOWN: Line protocol state on the interface GigabitEthernet1/0/16 changed to down.

%@20523%Jan 9 19:51:26:066 2013 SW-14F-1 IFNET/3/PHY_UPDOWN: Physical state on the interface GigabitEthernet1/0/16 changed to up.

%@20524%Jan 9 19:51:26:072 2013 SW-14F-1 IFNET/5/LINK_UPDOWN: Line protocol state on the interface GigabitEthernet1/0/16 changed to up.

%@20525%Jan 9 19:51:26:873 2013 SW-14F-1 IFNET/3/PHY_UPDOWN: Physical state on the interface GigabitEthernet1/0/16 changed to down.

%@20526%Jan 9 19:51:26:874 2013 SW-14F-1 IFNET/5/LINK_UPDOWN: Line protocol state on the interface GigabitEthernet1/0/16 changed to down.

%@20527%Jan 9 19:52:32:981 2013 SW-14F-1 IFNET/3/PHY_UPDOWN: Physical state on the interface GigabitEthernet1/0/16 changed to up.

%@20528%Jan 9 19:52:32:982 2013 SW-14F-1 IFNET/5/LINK_UPDOWN: Line protocol state on the interface GigabitEthernet1/0/16 changed to up.

(3) 堆叠线缆频繁UP/DOWN会导致设备发生握手重启，通过logfile中看到很多端口UP/DOWN，可以判断是因为线缆原因造成设备重启。

解决方法

更换堆叠线缆后，故障不再复现。