

知 某局点F5030两台设备堆叠不起来问题处理经验案例

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组网及说明

无

问题描述

某局点采用两台F5030 做IRF，发现配置完之后，IRF起不来，备机不自动重启，也无法加入IRF中，已激活IRF配置。查看配置并无发现异常，IRF port 两边配置的也没有问题，查看设备日志发现提示心跳超时。

```
%Dec 11 15:14:09:841 2019 H3C STM/2/STM_LINK_TIMEOUT: -CContext=1; IRF port 2 went down because the heartbeat timed out.
```

```
%Dec 11 15:14:09:841 2019 H3C STM/3/STM_LINK_DOWN: -CContext=1; IRF port 2 went down
```

过程分析

首先检查IRF的相关配置，IRF port 配置都无问题，查看官网配置限制，并无匹配的限制

```
irf-port 1/2
```

```
port group interface GigabitEthernet1/0/0
```

```
irf-port 2/1
```

```
port group interface GigabitEthernet2/0/0
```

最后查看两个IRF的物理接口，发现接口下有CRC错误包，设备都已接地，并且也是直连的。

```
=====display interface=====
```

```
GigabitEthernet2/0/0
```

```
Current state: UP
```

```
IP packet frame type: Ethernet II, hardware address: 9429-2f90-5c74
```

```
Description: GigabitEthernet2/0/0 Interface
```

```
Bandwidth: 1000000 kbps
```

```
Loopback is not set
```

```
Media type is optical fiber, loopback not set, promiscuous mode not set
```

```
1000Mb/s, Full-duplex, link type is autonegotiation
```

```
Output flow-control is disabled, input flow-control is disabled
```

```
1000Mbps-speed mode, full-duplex mode
```

```
Link speed type is autonegotiation, link duplex type is autonegotiation
```

```
Maximum frame length: 9216
```

```
MDI type: Automdix
```

```
Last link flapping: 0 hours 27 minutes 30 seconds
```

```
Last clearing of counters: Never
```

```
Peak input rate: 0 bytes/sec, at 00-00-00 00:00:00
```

```
Peak output rate: 76 bytes/sec, at 2019-12-11 15:20:06
```

```
Last 300 second input: 0 packets/sec 0 bytes/sec 0%
```

```
Last 300 second output: 1 packets/sec 76 bytes/sec 0%
```

```
Input (total): 3375 packets, 0 bytes
```

```
0 unicasts, 0 broadcasts, 0 multicasts, 0 pauses
```

```
Input (normal): 0 packets, 0 bytes
```

```
0 unicasts, 0 broadcasts, 0 multicasts, 0 pauses
```

```
Input: 3375 input errors, 0 runts, 0 giants, - throttles
```

```
3375 CRC, 0 frame, 0 overruns, 0 aborts
```

解决方法

最终替换中间光纤，问题解决，IRF接口下一般不允许有错误包，如果有增长，就需要排查。

1. 需要确认设备是否接地，不接地也会有影响。
2. 确认光模块是否是原厂的。
3. 可以替换到其他接口，配置IP地址，然后测试连通性，确认接口下是否有错误包增长。