

知 S6520X设备堆叠桥mac一致的问题处理案例

IRF2 堆叠 李熙 2022-05-30 发表

组网及说明

不涉及

告警信息

两台同型号同版本的S6520X-54QC-EI用37和38口堆叠，配置堆叠后一直报桥mac一致，导致堆叠无法成功

问题描述

建立堆叠是提示如下报错:

```
[H3C-if-range]display diagnostic-%Jan 4 19:09:25:746 2013 H3C STM/4/STM_SAMEMAC:Failed to stack because of the same bridge MAC addresses.
```

过程分析

- 1、型号均是S6520X-54QC-EI的，版本都是官网最新的6533版本，软硬件方面没问题
- 2、堆叠后用irf mac-address指令重新指定备件的桥mac地址为bc22-4724-7cb9，与主机的bc22-4724-7ca9不一致；重新配置堆叠，重启备机后还irf系统还是无法建立，依旧报地址一致；至此现象比较奇怪了

主机：

```
=====display irf=====
MemberID  Role  Priority CPU-Mac   Description
*+1      Master 32    f010-90db-7402 ---
-----
* indicates the device is the master.
+ indicates the device through which the user logs in.
The bridge MAC of the IRF is: bc22-4724-7ca9
Auto upgrade      : yes
Mac persistent    : 6 min
Domain ID         : 0
```

备机

```
[H3C-if-range]dis irf
MemberID  Role  Priority CPU-Mac   Description
*+2      Master 1     f010-90db-7403 ---
-----
* indicates the device is the master.
+ indicates the device through which the user logs in.
The bridge MAC of the IRF is: bc22-4724-7cb9
Auto upgrade      : yes
Mac persistent    : always
Domain ID         : 0
[H3C]%Jan 4 18:57:49:798 2013 H3C STM/4/STM_SAMEMAC: Failed to stack because of the same
bridge MAC addresses.
```

- 3、再通过仔细分析诊断发现，两台设备的SN号和物理MAC地址均一致，这显然是不合理的，怀疑两台设备有存在假货；经再次确认，诊断信息里的SN码和设备机框所贴SN码均不一致，两台都应该是假货

主机：

```
=====display device manuinfo=====
Slot 1 CPU 0:
DEVICE_NAME      : S6520X-54QC-EI
DEVICE_SERIAL_NUMBER : 210235A2CJ6222V0G0HP
MAC_ADDRESS      : BC22-4724-7CA9
MANUFACTURING_DATE  : 2022-02-12
VENDOR_NAME      : H3C
```

备机：

```
=====display device manuinfo=====
Slot 2 CPU 0:
DEVICE_NAME      : S6520X-54QC-EI
DEVICE_SERIAL_NUMBER : 210235A2CJ6222V0G0HP
MAC_ADDRESS      : BC22-4724-7CA9
MANUFACTURING_DATE  : 2022-02-12
VENDOR_NAME      : H3C
```

解决方法

替换两台原厂设备后堆叠正常。

