

知 某局点AC做跨框IRF，备机重启问题

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组网及说明

插卡AC做跨框IRF，备机重启

问题描述

插卡AC做跨框IRF，备机重启

过程分析

1、通过备机重启记录，查看其重启原因为IRF merge soft reboot，即IRF建立导致的重启，既然是IRF建立导致的重启，那么之前一定是IRF分裂了，我们再看看IRF分裂原因是什么。

Slot 2:

PowerOn BootTimes : 29

Watchdog BootTimes : 0

Software BootTimes : 35

Hardware BootTimes : 0

MotherBoard BootTimes: 2

Backup BootTimes : 2

SlotOut BootTimes : 0

Current Boot Type : Software-boot

Current Running Time: 360(s)

Running Time : 5(d)0(h)

*** Boot History(Startup Time and Reason) ***

2020-09-30 14:29:00 IRF merge soft reboot

2、从AC的日志信息来看，IRF分裂原因是hello报文超时

%Sep 30 14:20:16:463 2020 AC1 IRF/4/IRF_HELLO_TIMEOUT: -Slot=2; IRF member 1 hello timed out.

%Sep 30 14:20:16:495 2020 AC1 DEV/3/BOARD_REMOVED: Board was removed from slot 2, type is LSUM1WCMX20RT.

%Sep 30 14:20:16:547 2020 AC1 LAGG/6/LAGG_INACTIVE_PHYSTATE: Member port XGE2/0/2 of aggregation group BAGG1 changed to the inactive state, because the physical state of the port is down.

%Sep 30 14:20:28:645 2020 AC1 IRF/4/IRF_HELLO_TIMEOUT: IRF member 2 hello timed out.

3、查看AC的CPU进程，发现转发进程已经满了，所以无法及时处理hello报文，那为什么转发进程会跑满呢？

4、查看AC接口有大量的广播报文，这一点明显是不正常的

Input (total): 84820337960 packets, 82953098390630 bytes

57016863 unicasts, 83579574663 broadcasts, 1183746434 multicasts, 0 pauses

5、查看交换机侧，发现有环路

至此问题得到解决。

解决方法

1、解决环路问题

2、AC做跨框IRF时，交换机上必须关闭STP功能