

无线控制板卡配置IRF2堆叠不成功解决方法

IRF 刘嘉伟 2018-03-07 发表

现场两台S7506E交换机使用IRF2进行堆叠，每台交换机上各添加一块LSQM1WCMX20的无线控制引擎插卡，要求无线控制引擎插卡需要跨框进行IRF2堆叠。堆叠后发现作为IRF slave的插卡不停在重启，IRF2无法聚合成功。

```
%Mar 7 17:57:26:939 2018 AC1 IFNET/3/PHY_UPDOWN: Physical state on the interface Ten-GigabitEthernet1/0/2 changed to up.
%Mar 7 17:57:26:940 2018 AC1 IFNET/5/LINK_UPDOWN: Line protocol state on the interface Ten-GigabitEthernet1/0/2 changed to up.
%Mar 7 17:58:07:353 2018 AC1 IRF/4/IRF_HELLO_TIMEOUT: IRF member 2 hello timed out.
%Mar 7 18:07:05:532 2018 AC1 SHELL/5/SHELL_LOGOUT: Console logged out from con0.
%Mar 7 18:11:31:156 2018 AC1 IRF/4/IRF_HELLO_TIMEOUT: IRF member 2 hello timed out.
```

首先排查配置侧是否存在问题，下面为现场配置。

AC1无线控制引擎插卡配置：

```
irf mac-address persistent timer
irf auto-update enable
irf auto-merge enable
irf member 1 priority 32
#
irf-port 1
port group interface Ten-GigabitEthernet1/0/2
#
```

AC2无线控制引擎插卡配置：

```
irf mac-address persistent timer
irf auto-update enable
irf auto-merge enable
irf member 2 priority 1
#
irf-port 2
port group interface Ten-GigabitEthernet2/0/2
```

现场按照标准的IRF2配置顺序进行配置后还是无法堆叠成功，进而查看AC1的日志发现：

```
%Mar 7 17:57:26:939 2018 AC1 IFNET/3/PHY_UPDOWN: Physical state on the interface Ten-GigabitEthernet1/0/2 changed to up.
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```

通过日志发现AC1应该是发送的hello报文超时导致的，由此联想到两台设备不能正常通信，当排查到交换机STP 时发现交换机Ten-GigabitEthernet1/0/2内联接口被阻塞了。

```
=====display stp brief=====
MST ID  Port                Role  STP State  Protection
0       Ten-GigabitEthernet1/0/2  ROOT  FORWARDING  NONE
0       Ten-GigabitEthernet2/0/2  ALTE  DISCARDING  NONE
```

由于V7平台交换机默认开启STP 功能导致端口被阻塞，关闭交换机侧内联接口的STP功能后问题解决。