

知 某局点WA5530链路聚合配置下发失败问题处理经验案例

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组网及说明

不涉及。

问题描述

现场为了增加上行带宽，将AP的两个以太网口做链路聚合。现场工程师先将AP与POE交换机通过一个口互连、注册，待MAP文件下发完成后，再将另一个接口与POE交换机相接，但现场一旦下发MAP文件后就出现AP不断上线、掉线的现象，在POE交换机上查看聚合组的成员接口均为unselect状态。

现场MAP文件配置如下：

```
system-view
#
vlan 2101 to 2132
vlan 2190 to 2199
#
int Bridge-Aggregation 1
#
interface range GigabitEthernet 1/0/1 GigabitEthernet 1/0/2
port link-aggregation group 1
#
int Bridge-Aggregation 1
port link-type trunk
port trunk permit vlan all
#
```

过程分析

现场一旦下发MAP文件，就出现AP频繁上下线的情况。此过程初步分析如下：1、AP正常上线 2、MAP文件下发导致AP与POE交换机通信异常，AP掉线 3、AP注册不上定时重启，MAP文件下发配置清除，AP再次上线。此过程一直循环。单独查看MAP文件未发现配置错误，于是现场用console直接将MAP文件配置刷入AP测试：

```
system-view
```

System View: return to User View with Ctrl+Z.

```
[H3C]vlan 2101 to 2132
```

```
[H3C]vlan 2190 to 2199
```

```
[H3C]int Bridge-Aggregation 1
```

```
[H3C-Bridge-Aggregation1]interface range GigabitEthernet 1/0/1 Gigabi
```

```
tEthernet 1/0/2
```

```
[H3C-if-range] port link-aggregation group 1
```

%Dec 10 20:16:00:564 2018 H3C LAGG/6/LAGG_INACTIVE_AICFG: Member port GE1/0/1 of aggregation group BAGG1 changed to the inactive state, because the member port and the aggregate interface have different attribute configurations.

[H3C-if-range]%Dec 10 20:16:00:610 2018 H3C CWC/4/CWC_AP_DOWN: Master CAPWAP tunnel to AC 192.168.0.100 went down. Reason: AP interface used for CAPWAP tunnel went down.

%Dec 10 20:16:00:628 2018 H3C IFNET/5/LINK_UPDOWN: Line protocol state on the interface GigabitEthernet1/0/2 changed to down.

%Dec 10 20:16:00:652 2018 H3C IFNET/3/PHY_UPDOWN: Physical state on the interface Vlan-interface1 changed to down.

%Dec 10 20:16:00:653 2018 H3C IFNET/5/LINK_UPDOWN: Line protocol state on the interface Vlan

-interface1 changed to down.

%Dec 10 20:16:00:657 2018 H3C LAGG/6/LAGG_INACTIVE_AICFG: Member port GE1/0/2 of aggregation group BAGG1 changed to the inactive state, because the member port and the aggregate interface have different attribute configurations.

我们发现在AP上出现日志告警，提示成员接口配置与聚合组配置不一致，接口变为DOWN状态。通过仔细检查AP配置，发现AP的以太网口默认开启了端口隔离，而聚合组默认未开启端口隔离，正是此原因导致链路聚合失败，AP频繁上下线。

```
#  
interface GigabitEthernet1/0/1  
port-isolate enable  
#  
#  
interface Bridge-Aggregation1  
#
```

解决方法

将以太网口取消端口隔离后，链路聚合正常。