

# 知 某局点WX3520H-F 分层AC local AC 故障又恢复后AP无法回切

AP管理 分层AC 刘文粟 2021-10-28 发表

## 组网及说明

WX3520H-F WX2510H Version 7.1.064, Release 5446P06

#### 问题描述

local-ac不通时，ap可以垂直备份到中心ac，但是当local-ac重新上线后，ap不能自动回切到local-ac，ap组下有开启switch-back enable功能，但是没生效。

## 过程分析

正常状态时，AP在中心ac上上线，下发local-ac地址注册到local-ac上。

```
<WX3520H>dis wlan ap-distribution all  
Central AC Slot 1 Total Number of APs: 0
```

```
Local AC wx2510h Total Number of APs: 3  
AP name AP ID AP IP AC IP  
-42a0 10 172.16. 172.16.  
-4480 9 172.16. 172.16.  
-f870 11 172.16. 172.16.
```

当断开local-ac的网络连接后，AP检测到与local-ac不通后，会重新和中心AC建立连接。

```
[WX3520H-probe]dis wlan ap-distribution all  
Central AC Slot 1 Total Number of APs: 3  
AP name AP ID AP IP AC IP  
-f870 11 172.16. 172.16.  
-42a0 10 172.16. 172.16.  
-4480 9 172.16. 172.16.
```

```
Local AC wx2510h Total Number of APs: 0
```

当重新链接local-ac后，ap不会回切到local-ac，ap一直在中心ac上面，只有重启AP，才能够恢复之前的状态。

查看配置，AP视图下配置了回切命令

```
wlan ap-group a  
location area-a  
control-address enable  
control-address ip 172.16.202.2  
switch-back enable  
vlan 1  
ap -42a0  
ap -f870  
ap-model WA2610E-GNE  
map-configuration cfa0:/apcfg.txt  
radio 1  
radio enable  
service-template 1  
gigabitethernet 1  
ap-model WA6320  
map-configuration cfa0:/apcfg.txt  
radio 1  
radio enable  
service-template 1  
radio 2  
radio enable  
service-template 1  
gigabitethernet 1  
#
```

**%Oct 28 09:52:57:150 2021 WX2510H CWC/4/CWC\_LOCAL\_AC\_DOWN: CAPWAP tunnel to central AC 172.16.x.x went down. Reason: Neighbor dead timer expired.**

%Oct 28 09:52:57:150 2021 WX2510H APMGR/6/APMGR\_LOCAL\_AC\_OFFLINE: Local AC FitAP went offline. State changed to Idle.

%Oct 28 09:53:22:160 2021 WX2510H CWS/4/CWS\_AP\_DOWN: CAPWAP tunnel to AP xxx went down. Reason: Failed to retransmit message.

%Oct 28 09:53:22:161 2021 WX2510H CWS/4/CWS\_AP\_DOWN: CAPWAP tunnel to AP xxx went down. Reason: Failed to retransmit message.

%Oct 28 09:53:22:162 2021 WX2510H CWS/4/CWS\_AP\_DOWN: CAPWAP tunnel to AP xxx went down. Reason: Failed to retransmit message.

%Oct 28 09:53:22:165 2021 WX2510H STAMGR/6/STAMGR\_CLIENT\_OFFLINE: Client x-x-3b9e went offline from BSS xxx with SSID h3c-test on AP x-x-4480 Radio ID 1. State changed to Unauth. Reason: AP down.

%Oct 28 09:53:22:167 2021 WX2510H APMGR/6/APMGR\_AP\_OFFLINE: AP xxx went offline. State changed to Idle.

.....

**%Oct 28 09:53:34:491 2021 WX2510H IFNET/3/PHY\_UPDOWN: Physical state on the interface GigabitEthernet1/0/1 changed to up.**

**%Oct 28 09:53:37:103 2021 WX2510H CWC/6/CWC\_LOCAL\_AC\_UP: CAPWAP tunnel to central AC 172.16.202.2 went up.**

%Oct 28 10:01:49:212 2021 WX2510H SHELL/4/SHELL\_CMD\_MATCHFAIL: -User=admin-IPAddr=172.16.x.x; Command dis dia in view system failed to be matched.

%Oct 28 10:01:52:363 2021 WX2510H SHELL/6/SHELL\_CMD: -Line=vtty1-IPAddr=172.16.x.x User=admin; Command is dis diagnostic-information

%Oct 28 10:01:52:960 2021 WX2510H SHELL/6/SHELL\_CMD\_CONFIRM: Confirm option of command dis diagnostic-information is no.

#### 解决方法

分层AC备份基于两条命令backup-ac和switch-back都需配置，都基于AP组或AP视图增加配置，在central-ac上的AP视图或AP组视图操作。

backup-ac ip 配置成local-ac的IP

如果需要对center ac进行备份，则在local AC视图使用backup-ac命令。

### 1.1 分层AC配置命令

#### 1.1.1 backup-ac

**backup-ac**命令用来在双链路模式下配置备份Central AC的IP地址。

**undo backup-ac**命令用来删除备份Central AC的IP地址。

##### 【命令】

**backup-ac** { ip *ipv4-address* | ipv6 *ipv6-address* }

**undo backup-ac** { ip | ipv6 }

##### 【缺省情况】

未配置备份Central AC的IP地址。

##### 【视图】

Local AC视图

##### 【缺省用户角色】

network-admin

##### 【参数】

**ip ip-address**: 备份Central AC的IPv4地址。

**ipv6 ipv6-address**: 备份Central AC的IPv6地址。

##### 【使用指导】

仅Central AC支持本功能。

最多只能配置一个备份Central AC的IPv4地址和一个IPv6地址。

若已经建立了备份隧道，删除备份Central AC的IP地址会导致备份隧道连接断开。

##### 【举例】

# 配置Local AC的备份Central AC的IPv4地址。

```
<Sysname> system-view
```

```
[Sysname] wlan local-ac name bac
```

```
[Sysname-wlan-local-ac-bac] backup-ac ip 192.168.1.1
```

