

知 某局点MSR810路由器注册AP失败问题

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V5版本的AP WA4320-ACN-SI-FIT在V7设备810路由器上注册上线失败。AP能够正常获取IP地址，且路由器能ping通AP，路由器与AP直连进行二层注册。

debug信息如下，

810路由器debug：

```
*Jan 8 04:28:21:070 2011 XiaZi_MSR810 CWS/7/RCV_PKT: Received discovery request with SeqNum 1 from AP at 172.18.252.11:2854.
*Jan 8 04:28:21:070 2011 XiaZi_MSR810 CWS/7/RCV_PKT: Received discovery request from AP at 172.18.252.11:2854, Length=192.
*Jan 8 04:28:21:070 2011 XiaZi_MSR810 CWS/7/RCV_PKT: Received discovery request from AP: IP address=172.18.252.11, MAC address=1cab-34f8-3700, serial ID=219801A0T78176E12050, AP name=ap1, model=WA4320-ACN-SI, last IP=.
*Jan 8 04:28:21:072 2011 XiaZi_MSR810 CWS/7/EVENT: Filling AC Descriptor TLV. LicenseType[1] MaxSupportNum[16] JoinCount[0].
*Jan 8 04:28:21:073 2011 XiaZi_MSR810 CWS/7/SND_PKT: Sent discovery response with SeqNum 1 to AP at 172.18.252.11:2854.
*Jan 8 04:28:21:073 2011 XiaZi_MSR810 CWS/7/SND_PKT: Sent discovery response to AP at 172.18.252.11:2854, Length=128.
*Jan 8 04:28:56:007 2011 XiaZi_MSR810 CWS/7/RCV_PKT: Received discovery request with SeqNum 1 from AP at 172.18.252.11:2854.
*Jan 8 04:28:56:007 2011 XiaZi_MSR810 CWS/7/RCV_PKT: Received discovery request from AP at 172.18.252.11:2854, Length=192.
*Jan 8 04:28:56:007 2011 XiaZi_MSR810 CWS/7/RCV_PKT: Received discovery request from AP: IP address=172.18.252.11, MAC address=1cab-34f8-3700, serial ID=219801A0T78176E12050, AP name=ap1, model=WA4320-ACN-SI, last IP=.
*Jan 8 04:28:56:010 2011 XiaZi_MSR810 CWS/7/SND_PKT: Sent discovery response with SeqNum 1 to AP at 172.18.252.11:2854.
*Jan 8 04:28:56:010 2011 XiaZi_MSR810 CWS/7/SND_PKT: Sent discovery response to AP at 172.18.252.11:2854, Length=128.
```

AP debug：

```
*Apr 26 12:06:34:303 2000 WA4320-ACN-SI LWPC/7/Pkt_Send: Sent Discovery Request to FF02::1 port 12223 (Length: 174)
*Apr 26 12:06:39:213 2000 WA4320-ACN-SI LWPC/7/Pkt_Send: Sent CAPWAP Discovery Request to FF02::18C (Length: 192)
*Apr 26 12:06:39:213 2000 WA4320-ACN-SI LWPC/7/Timer: CAPWAP Rdm-Disc timer refreshed.
*Apr 26 12:06:48:593 2000 WA4320-ACN-SI LWPC/7/Event: LWAPP to WMAC : Get basic binding configuration
*Apr 26 12:06:48:594 2000 WA4320-ACN-SI LWPC/7/Event: LWAPP to WMAC : Get radio capability
*Apr 26 12:06:48:594 2000 WA4320-ACN-SI LWPC/7/Pkt_Send: Sent Discovery Request to FF02::1 port 12223 (Length: 174)
*Apr 26 12:06:56:575 2000 WA4320-ACN-SI LWPC/7/Pkt_Send: Sent Discovery Request to FF02::1 port 12223 (Length: 174)
*Apr 26 12:06:58:063 2000 WA4320-ACN-SI LWPC/7/Pkt_Send: Sent CAPWAP Discovery Request to FF02::18C (Length: 192)
*Apr 26 12:06:58:063 2000 WA4320-ACN-SI LWPC/7/Timer: CAPWAP Rdm-Disc timer refreshed.
*Apr 26 12:07:59:649 2000 WA4320-ACN-SI LWPC/7/Pkt_Send: Sent CAPWAP Discovery Request to 224.0.0.140 (Length: 192)
*Apr 26 12:07:59:649 2000 WA4320-ACN-SI LWPC/7/Timer: CAPWAP Rdm-Disc timer created.
*Apr 26 12:07:59:649 2000 WA4320-ACN-SI LWPC/7/Timer: CAPWAP Rdm-Disc timer refreshed.
*Apr 26 12:07:59:649 2000 WA4320-ACN-SI LWPC/7/FSM : [Tunnel : Master] Idle -> Disc
*Apr 26 12:07:59:653 2000 WA4320-ACN-SI LWPC/7/Pkt_Rcvd: Received CAPWAP Discovery Response from 172.18.252.14 (Length: 128)
```

LWPC是V5设备建立隧道的debug标志，CWS是V7设备建立隧道的debug标志。从AP的debug信息可以看出，AP支持双隧道协议，发送了LWAPP隧道和CAPWAP隧道的Discovery Request报文。810路由器的debug信息显示，路由器仅接收了CAPWAP隧道的Discovery Request报文，并进行了处理，没

有看到关于LWAPP隧道的报文信息。AP收到了路由器回复的CAPWAP Discovery Response，但没有对该报文进行处理。

因此怀疑是AP与810路由器跨平台注册时，版本不能兼容，导致路由器发送的报文不能被AP识别，然后将报文丢弃。

建议现场先将AP手动刷到V7版本，然后再在810上注册，客户表示如此操作之后成功上线。

810路由器在管理AP时，不注册license默认可以管理2个AP，不支持跨平台进行注册操作。