

知 为什么有些AP上线时一直卡在IL阶段

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组网及说明

AC——FIT AP

问题描述

AC进行版本升级时，有一台AP一直卡在IL阶段，无法升级成功。

在AC诊断里看，AP提示下载完成后一直在反复下载：

Line 10301: %Mar 22 10:07:49:890 2022 WX3540H CWS/6/CWS_IMG_DOWNLOAD_COMPLE
TE: Downloading the image file wa5300.ipe for AP AP-2 through the CAPWAP tunnel is complete.

Line 10306: %Mar 22 10:07:56:104 2022 WX3540H CWS/6/CWS_IMG_DOWNLOAD_START: A
P AP-2 started to download the image file wa5300.ipe.

Line 10462: %Mar 22 10:08:45:942 2022 WX3540H CWS/6/CWS_IMG_DOWNLOAD_COMPLE
TE: Downloading the image file wa5300.ipe for AP AP-2 through the CAPWAP tunnel is complete.

Line 10476: %Mar 22 10:08:54:936 2022 WX3540H CWS/6/CWS_IMG_DOWNLOAD_START: A
P AP-2 started to download the image file wa5300.ipe.

过程分析

登录到AP上查看日志，AP一直在尝试去下载版本

```
=====display logbuffer=====
```

Log buffer: Enabled

Max buffer size: 1024

Actual buffer size: 512

Dropped messages: 0

Overwritten messages: 2153

Current messages: 512

%Mar 19 15:35:17:926 2022 H3C CWC/6/CWC_IMG_DOWNLOAD_START: Started to download the image file wa5300.ipe through the CAPWAP tunnel to AC 172.18.1.2.

%Mar 19 15:36:08:556 2022 H3C CWC/6/CWC_IMG_DOWNLOAD_START: Started to download the image file wa5300.ipe through the CAPWAP tunnel to AC 172.18.1.2.

查看AP内存:

```
=====dir /all /all-filestems=====
```

Directory of flash:

```
0 drw-      - Mar 18 2022 22:56:16  core
1 -rw-    5008384 Jan 01 2016 00:00:00  wa5300-boot.bin
2 -rw-    16177152 Jan 01 2016 00:00:00  wa5300-system.bin
```

30720 KB total (912 KB free)

老版本两个bin加起来是: 21185536字节

而AP上的剩余空间: (912 KB free)

且新版本的两个bin加起来是: 23636992字节

由此得出结论: 这个AP上存在core文件, 导致AP上的flash空间不足, 从而AP下载版本不成功。

解决方法

ap在AC上下版本的时候, 我们要求: **新的版本大小 <= 老版本+剩余空间**
通过格式化后, 该AP重新上线成功

