

## 知 某局点将WAP712C-LI转换为Oasis Mode失败

软件相关 王周华 2019-08-29 发表

### 组网及说明

现场AP的型号是WAP712C-LI，Bootware版本为**Version 7.14**。

### 问题描述

现场想要将AP的模式转换绿洲模式，但是格式化后切换失败：

```
=====<EXTENDED-BOOTWARE MENU>=====
===
|<1> Boot System                               |
|<2> Enter Serial SubMenu                       |
|<3> Enter Ethernet SubMenu                     |
|<4> File Control                               |
|<5> Restore to Factory Default Configuration   |
|<6> Skip Current System Configuration          |
|<7> BootWare Operation Menu                    |
|<8> Skip Authentication for Console Login      |
|<9> Storage Device Operation                   |
|<0> Reboot                                     |
=====
Ctrl+Z: Access EXTENDED ASSISTANT MENU
Ctrl+F: Format File System
Ctrl+C: Display Copyright
Ctrl+Y: Change AP Mode
Enter your choice(0-9):
Warning:All files on flash will be lost! Are you sure to format? [Y/N]Y.....
.....
Format success.

=====<EXTENDED-BOOTWARE MENU>=====
===
|<1> Boot System                               |
|<2> Enter Serial SubMenu                       |
|<3> Enter Ethernet SubMenu                     |
|<4> File Control                               |
|<5> Restore to Factory Default Configuration   |
|<6> Skip Current System Configuration          |
|<7> BootWare Operation Menu                    |
|<8> Skip Authentication for Console Login      |
|<9> Storage Device Operation                   |
|<0> Reboot                                     |
=====
Ctrl+Z: Access EXTENDED ASSISTANT MENU
Ctrl+F: Format File System
Ctrl+C: Display Copyright
Ctrl+Y: Change AP Mode
Enter your choice(0-9):

Please select the new mode
Current mode is Fit
=====
|NO. Mode                               |
|1  Oasis Mode                           |
|2  Fit  Mode                             |
|0  Exit                                 |
=====
Enter your choice(0-2):1
```

flash:/wa4300h-oasis.bin image does not exist.

Changed to Oasis mode failed!

## 过程分析

首先确认Bootware版本是否配套，云AP模式下这款AP需要用BTW7.17 版本，Bootware版本升级过程如下：

```
=====<EXTENDED-BOOTWARE MENU>=====
===
```

```
|<1> Boot System          |
|<2> Enter Serial SubMenu |
|<3> Enter Ethernet SubMenu |
|<4> File Control         |
|<5> Restore to Factory Default Configuration |
|<6> Skip Current System Configuration |
|<7> BootWare Operation Menu |
|<8> Skip Authentication for Console Login |
|<9> Storage Device Operation |
|<0> Reboot              |
```

```
=====
Ctrl+Z: Access EXTENDED ASSISTANT MENU
```

```
Ctrl+F: Format File System
```

```
Ctrl+C: Display Copyright
```

```
Ctrl+Y: Change AP Mode
```

```
Enter your choice(0-9): 7
```

```
=====<BootWare Operation Menu>=====
```

```
|Note:the operating device is flash |
|<1> Backup Full BootWare          |
|<2> Restore Full BootWare         |
|<3> Update BootWare By Serial     |
|<4> Update BootWare By Ethernet   |
|<0> Exit To Main Menu             |
```

```
=====
Enter your choice(0-4): 4
```

```
=====<BOOTWARE OPERATION ETHERNET SUB-MENU>=====
```

```
===
|<1> Update Full BootWare          |
|<2> Update Extended BootWare      |
|<3> Update Basic BootWare         |
|<4> Modify Ethernet Parameter     |
|<0> Exit To Main Menu             |
```

```
=====
Enter your choice(0-4): 4
```

```
=====<ETHERNET PARAMETER SET>=====
```

```
==
|Note:  '.' = Clear field.          |
|      '.' = Go to previous field.  |
|      Ctrl+D = Quit.               |
```

```
=====
Protocol (FTP or TFTP) :tftp tftp
```

```
Load File Name      :wa4300h-oasis.bin
```

```
:apwtu430_v7.17.btw
```

```
Target File Name    :wa4300h-oasis.bin
```

```
:apwtu430_v7.17.btw
```

```
Server IP Address   :192.168.0.111 192.168.0.111
```

```
Local IP Address    :192.168.0.50 192.168.0.50
```

```
Subnet Mask         :0.0.0.0 0.0.0.0
```

```
Gateway IP Address  :0.0.0.0 0.0.0.0
```

```
=====<BOOTWARE OPERATION ETHERNET SUB-MENU>=====
```

```
===
|<1> Update Full BootWare          |
|<2> Update Extended BootWare      |
```

```

|<3> Update Basic BootWare                                |
|<4> Modify Ethernet Parameter                            |
|<0> Exit To Main Menu                                    |
=====
Enter your choice(0-4): 1
Loading.....Done.
394240 bytes downloaded!
Updating Basic BootWare? [Y/N]Y
Updating Basic BootWare.....Done.
Updating Extended BootWare? [Y/N]Y
Updating Extended BootWare.....Done.
升级btw之后，按照如下步骤操作：
1、进入boot菜单，删掉当前所有的版本文件（因为flash空间太小，无法同时放下fit和fat的版本）
2、把fat的版本down入设备，目标文件名需要正确，因为boot在切换的时候会找固定名称的文件，这两款都是wa4300s-oasis.bin
3、版本down入后再执行ctrl+Y切换即可
=====<ETHERNET PARAMETER SET>=====
==
|Note:      '.' = Clear field.                                |
|           '.' = Go to previous field.                      |
|           Ctrl+D = Quit.                                    |
=====
Protocol (FTP or TFTP) :tftp tftp
Load File Name      :wa4300h-oasis.bin
                   :wa4300h-oasis.bin
Target File Name    :wa4300h-oasis.bin
                   :wa4300h-oasis.bin
Server IP Address   :192.168.0.11 192.168.0.111
Local IP Address    :192.168.0.50 192.168.0.50
Subnet Mask         :0.0.0.0 0.0.0.0
Gateway IP Address  :0.0.0.0 0.0.0.0

=====<Enter Ethernet SubMenu>=====
|Note:the operating device is flash                        |
|<1> Download Image Program To SDRAM And Run                |
|<2> Update Main Image File                                |
|<3> Update Backup Image File                              |
|<4> Download Files(*.*)                                  |
|<5> Modify Ethernet Parameter                            |
|<0> Exit To Main Menu                                    |
|<Ensure The Parameter Be Modified Before Downloading!>    |
=====
Enter your choice(0-5): 4
Loading.....
.....
.....
.....Done.
13042688 bytes downloaded!
Saving file flash:/wa4300h-oasis.bin .....
.....
.....
.....
.....
.....
.....Done.

=====<Enter Ethernet SubMenu>=====
|Note:the operating device is flash                        |
|<1> Download Image Program To SDRAM And Run                |
|<2> Update Main Image File                                |
|<3> Update Backup Image File                              |
|<4> Download Files(*.*)                                  |

```

```
|<5> Modify Ethernet Parameter          |
|<0> Exit To Main Menu                  |
|<Ensure The Parameter Be Modified Before Downloading!>          |
=====
Enter your choice(0-5): 0

=====<EXTENDED-BOOTWARE MENU>=====
===
|<1> Boot System                        |
|<2> Enter Serial SubMenu                |
|<3> Enter Ethernet SubMenu              |
|<4> File Control                        |
|<5> Restore to Factory Default Configuration          |
|<6> Skip Current System Configuration          |
|<7> BootWare Operation Menu              |
|<8> Skip Authentication for Console Login          |
|<9> Storage Device Operation              |
|<0> Reboot                              |
=====
Ctrl+Z: Access EXTENDED ASSISTANT MENU
Ctrl+F: Format File System
Ctrl+C: Display Copyright
Ctrl+Y: Change AP Mode
Enter your choice(0-9):

Please select the new mode
Current mode is Fit
=====
|NO.  Mode                             |
|1 Oasis  Mode                         |
|2 Fit   Mode                         |
|0 Exit                               |
=====
Enter your choice(0-2):1

This operation takes several minutes.Please wait...
Changed to Oasis mode successfully! Please reboot the system now!

=====<EXTENDED-BOOTWARE MENU>=====
===
|<1> Boot System                        |
|<2> Enter Serial SubMenu                |
|<3> Enter Ethernet SubMenu              |
|<4> File Control                        |
|<5> Restore to Factory Default Configuration          |
|<6> Skip Current System Configuration          |
|<7> BootWare Operation Menu              |
|<8> Skip Authentication for Console Login          |
|<9> Storage Device Operation              |
|<0>Reboot                              |
=====
Ctrl+Z: Access EXTENDED ASSISTANT MENU
Ctrl+F: Format File System
Ctrl+C: Display Copyright
Ctrl+Y: Change AP Mode
Enter your choice(0-9): 0
System is starting...
Press Ctrl+D to access BASIC-BOOTWARE MENU
Booting Normal Extend BootWare
The Extend BootWare is self-decompressing.....
.Done!
但是现场反馈如此操作之后还是无法进入系统：
*****
```

\*  
\* H3C WAP712C-LI-OASIS BootWare, Version 7.17 \*  
\*

\*\*\*\*\*

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Compiled Date : Jul 31 2019  
CPU Type : Atheros AR9563  
CPU L1 Cache : 32KB  
CPU Clock Speed : 775MHz  
Memory Type : SDRAM  
Memory Size : 128MB  
Memory Speed : 560MHz  
BootWare Size : 512KB  
Flash Size : 16MB  
PCB Version : Ver.A

BootWare Validating...

Press Ctrl+B to access EXTENDED-BOOTWARE MENU...

starting...

#### 解决方法

检查现场的操作记录发现现场的文件名配置错误，是 **wa4300s-oasis.bin** 而不是 wa4300h-oasis.bin，现场更改文件名后转换Oasis Mode成功。