

## 知 某局点型号为WA4320H-ACN的AP，将系统版本由V7瘦版本切换为V5胖版本的操作过程经验案例

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某局点现场一台V7的WA4320H-ACN设备，由于现有的AC设备上的license数量不足，需要将AP切换为胖AP使用。了解现场工程师的需求后，我们立即查找相应的资料并查找解决方法。经过查找资料确认该型号的AP胖版本只有V5的版本，所以需要V7的瘦版本降级为V5的胖版本。

经过查找官网软件版本后确认，该型号的AP仅有V5的胖版本

H3C WA4300系列(适用于WA4320i-X、WA4320i-ACN、**WA4320H-ACN**、WA4320-ACN、WA4320-TQ、WA4320-TS、WA4320-TQ-V、WAP722、WAP722E、WA4320X、WA4330-ACN)

→	WA4300	CMW520	R1508P11-FAT 版本软件及说明书	下载
→	WA4300	CMW520	R1508P04-FAT 版本软件及说明书	下载
→	WA4300	CMW520	R1508-FAT 版本软件及说明书	下载
→	WA4300	CMW520	R1507P04-FAT 版本软件及说明书	下载
→	WA4300	CMW520	R1507-FAT 版本软件及说明书	下载
→	WA4300	CMW520	R1505P04-FAT 版本软件及说明书	下载

该型号V7版本的瘦AP经过查阅资料确认，没有可以使用的V7的相应的适配胖版本，和现场工程师协商建议其将该AP降级为V5的胖AP。

引导工程师做V7瘦版本降级V5胖版本的操作，操作过程如下：

在AP的启动过程中

按下Ctrl+B进入AP的BOOTROM菜单

```
*****
*
*           H3C WA4320H-ACN BootWare, Version 7.09   *
*
*****

Copyright (c) 2004-2017 New H3C Technologies Co., Ltd.
Compiled Date      : Mar 21 2017
CPU Type          : Atheros AR9557
CPU L1 Cache      : 32KB
CPU Clock Speed   : 720MHz
Memory Type       : DDR2 SDRAM
Memory Size       : 256MB
Memory Speed      : 560MHz
BootWare Size     : 512KB
Flash Size        : 128MB
PCB Version       : Ver.B

BootWare Validating...
Press Ctrl+B to access EXTENDED-BOOTWARE MENU...
Password recovery capability is enabled.
Note: The current operating device is flash
Enter < Storage Device Operation > to select device.

===== <EXTEND-BOOTWARE MENU> =====
===
|<1> Boot System          |
|<2> Enter Serial SubMenu |
|<3> Enter Ethernet SubMenu |
|<4> File Contro         |
|<5> Restore to Factory Default Configuration |
|<6> Skip Current System Configuration |
|<7> BootWare Operation Menu |
|<8> Clear Super Password |
```



Updating Extended BootWare.....Done.  
BootWare updated, System is rebooting now.  
System is starting...  
Press Ctrl+D to access BASIC-BOOTWARE MENU  
Booting Normal Extend BootWare  
The Extend BootWare is self-decompressing.....Done!

```
*****
*                                     *
*           H3C WA4320H-ACN BootWare, Version 1.15           *
*                                     *
*****
```

Copyright (c) 2004-2015 Hangzhou H3C Technologies Co., Ltd.

Compiled Date : Nov 18 2015  
CPU Type : Atheros AR9557  
CPU L1 Cache : 32KB  
CPU Clock Speed : 720MHz  
Memory Type : SDRAM  
Memory Size : 256MB  
Memory Speed : 560MHz  
BootWare Size : 512KB  
Flash Size : 32MB  
PCB Version : Ver.B

Read net params from bootrom failed, use the default value  
BootWare Validating...  
Press Ctrl+B to enter extended boot menu...  
BootWare password: Not required. Please press Enter to continue.

Password recovery capability is enabled.  
Note: The current operating device is flash  
Enter < Storage Device Operation > to select device.

=====<EXTEND-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> Clear Super Password |
|<9> Storage Device Operation |
|<0> Reboot |
=====
```

Ctrl+C: Display Copyright  
Ctrl+Y: Change AP Mode  
Ctrl+F: Format File System //执行Ctrl+F格式化操作  
Enter your choice(0-9):  
Warning:All files on flash will be lost! Are you sure to format? [Y/N]Y.....  
.....  
.....  
Format success. //格式化成功

=====<EXTEND-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> Clear Super Password                 |
|<9> Storage Device Operation             |
|<0> Reboot                               |
```

```
=====  
Ctrl+C: Display Copyright  
Ctrl+Y: Change AP Mode  
Ctrl+F: Format File System  
Enter your choice(0-9): 3
```

```
=====<Enter Ethernet SubMenu>=====
```

```
|Note:the operating device is flash      |
|<1> Download Application Program To SDRAM And Run      |
|<2> Update Main Application File              |
|<3> Modify Ethernet Parameter                |
|<0> Exit To Main Menu                        |
|<Ensure The Parameter Be Modified Before Downloading!> |
```

```
=====  
Enter your choice(0-3): 3
```

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

```
|Note:  & # 39;.& # 39; = Clear field.      |
|      & # 39;-& # 39; = Go to previous field. |
|      Ctrl+D = Quit.                       |
```

```
=====  
Protocol (FTP or TFTP) :tftp  
Load File Name      :wa4300-boot.bin  
                   :wa4300_fat.bin //替换系统版本为胖版本  
Target File Name    :wa43000-boot.bin  
                   :wa4300_fat.bin  
Server IP Address   :1.1.1.1  
Local IP Address    :1.1.1.10  
Subnet Mask         :0.0.0.0 255.255.255.0  
Gateway IP Address  :0.0.0.0
```

```
=====<Enter Ethernet SubMenu>=====
```

```
|Note:the operating device is flash      |
|<1> Download Application Program To SDRAM And Run      |
|<2> Update Main Application File              |
|<3> Modify Ethernet Parameter                |
|<0> Exit To Main Menu                        |
|<Ensure The Parameter Be Modified Before Downloading!> |
```

```
=====  
Enter your choice(0-3): 2
```

```
Loading.....  
.....Done!  
7715840 bytes downloaded!  
Updating File flash:/wa4300_fit.bin.....  
.....  
..Done!
```

```
=====<Enter Ethernet SubMenu>=====
```

```
|Note:the operating device is flash      |
|<1> Download Application Program To SDRAM And Run      |
|<2> Update Main Application File              |
|<3> Modify Ethernet Parameter                |
|<0> Exit To Main Menu                        |
|<Ensure The Parameter Be Modified Before Downloading!> |
```

```
=====  
Enter your choice(0-3): 0
```

```
=====<EXTEND-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> Clear Super Password |
- |<9> Storage Device Operation |
- |<0> Reboot |

=====

Ctrl+C: Display Copyright  
 Ctrl+Y: Change AP Mode  
 Ctrl+F: Format File System  
 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!

\*\*\*\*\*

```

*                *
*   H3C WA4320H-ACN BootWare, Version 1.15   *
*                *

```

\*\*\*\*\*

Copyright (c) 2004-2015 Hangzhou H3C Technologies Co., Ltd.

Compiled Date : Nov 18 2015  
 CPU Type : Atheros AR9557  
 CPU L1 Cache : 32KB  
 CPU Clock Speed : 720MHz  
 Memory Type : SDRAM  
 Memory Size : 256MB  
 Memory Speed : 560MHz  
 BootWare Size : 512KB  
 Flash Size : 32MB  
 PCB Version : Ver.B

BootWare Validating...  
 Press Ctrl+B to enter extended boot menu...  
 Starting to get the main application file--flash:/wa4300\_fit.bin!.....

.....

.....

The main application file is self-decompressing.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....Done!

System application is starting...  
 Startup configuration file does not exist.  
 User interface con0 is available.

Press ENTER to get started.

<WA4320H-ACN>

#Jan 23 21:03:12:213 2018 WA4320H-ACN SHELL/4/LOGIN:

Trap 1.3.6.1.4.1.25506.2.2.1.1.3.0.1<hh3cLogIn>: login from Console

%Jan 23 21:03:12:213 2018 WA4320H-ACN SHELL/5/SHELL\_LOGIN: Console logged in from con0.

<WA4320H-ACN>

<WA4320H-ACN>sys

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

[WA4320H-ACN]

[WA4320H-ACN]

[WA4320H-ACN]

[WA4320H-ACN]dis cu

#

**version 5.20, Release 1508P11 //版本替换成功**

#

sysname WA4320H-ACN

#

在对V7的瘦AP降级为V5的胖AP的过程中需要使用v5的相应产品的胖版本进行两次版本引导操作，其中第一次用来将boot版本降为V5的，第二次用来将系统版本替换为相应的V5胖版本。