V7瘦AP切换为V5胖AP配置案例方法

目录

1.1 适用产品系列

本 手 册 适 用 于 如 下 产 品： WA4320i-X、WA4320i-ACN、WA4320H-ACN、WA4320-ACN、WA2620i-AGN、 WA2610E、WA2620E、WA2620X等AP。

有一些场景下，之前注册过V7无线控制器的瘦AP，需要切换成胖AP使用，但是对应的胖

AP版本是V5平台的，那就涉及到本案例的内容。需要先降级bootrom，再做版本上传。

1.1.1 AP瘦切胖配置案例（Bootrom）

操作风险提示：AP瘦切胖有风险，操作不当或者意外断电会导致设备故障，操作需谨慎。命令行升级需在PC上搭建TFTP Server（推荐用户使用3CDaemon搭建TFTP服务器）

将软件版本下载到设备FLASH内，然后通过命令行加载Bootrom版本，再加载主机软件版本，加载时输入的文件名一定要一致，建议复制黏贴，然后升级过程中避免断电重启操作。

1. 从新华三的官网下载对应AP型号的胖版本

https://www.h3c.com/cn/d_201805/1083983_30005_40.htm
下载压缩包WA4300S-CMW520-R1509P01-FAT.zip ，解压生成bin文件，放到电脑桌面上,下载后，需修改文件名，以WA4320为例子，修改对应的启动文件名wa4300s_fat.bin，需要注意文件名称修改正确。

2. 电脑通过网线连接到ap的一个网口

电脑网卡设置为：192.168.0.1 255.255.255.0，如下例子打开TFTP服务器，把bin软件版本放到电脑桌面上，TFTP服务器目录指向电脑桌面，然后点击确定。
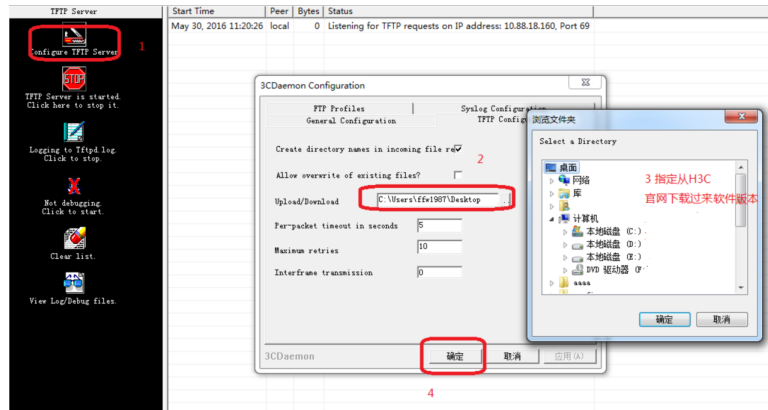
3. console口操作刷版本

console口登录方法参考《1.03 设备管理-Console登录方法》
在AP重启的时候按住不停地按Ctrl+B进入设备的bootroom菜单，以下标黑部分为设备自动打印部分。
System is starting...
Press Ctrl+D to access BASIC-BOOTWARE MENU
Booting Normal Extend BootWare
The Extend BootWare is self-decompressing...................................
Done!
按住ctrl+b进到boot
****
*   *
*   H3C WA4320-ACN-C BootWare, Version 7.07   *
*   *
****

Copyright (c) 2004-2016 Hangzhou H3C Technologies Co., Ltd.

Compiled Date   : Jul 25 2016
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.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.

3.1、更新扩展bootrom版本

==========================<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
Enter your choice(0-9):
此时按住ctrl+F 格式化flash，"Y"需要手工输入
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
Enter your choice(0-9): 3    //进入以太网子菜单
```

```
=========================<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): 5    //更改以太网参数
```

```
=========================<ETHERNET                  PARAMETER
```

```
SET>==========================
|Note:     '.' = Clear field.                          |
|        '-' = Go to previous field.                   |
|        Ctrl+D = Quit.                                |
==================================================================:
Protocol (FTP or TFTP) :tftp
```
//忽略输出内容，直接输入TFTP，然后回车
```
Load File Name        :wa4300s_fat.bin
```
//忽略输出内容，直接输入wa4300s_fat.bin，然后回车
```
Target File Name      :wa4300s_fat.bin
```
//忽略输出内容，直接输入wa4300s_fat.bin，然后回车
```
Server IP Address     :192.168.0.1
```
//忽略输出内容，直接输入电脑主机的 IP，如192.168.0.1，然后回车
```
Local IP Address      :192.168.0.19
```
//忽略输出内容，直接输入和电脑主机的ip同一网段，比如192.168.0.19，然后回车
```
Subnet Mask           :255.255.255.0
```
//忽略输出内容，直接回车
```
Gateway IP Address    :0.0.0.0
```
//忽略输出内容，直接回车

```
==========================<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): 1        //此时为更新bootware版本
Loading.....................................................................
.............................................................
.............................................................
.Done.
11248640 bytes downloaded!
```

Extended BootWare Version is not equal,updating? [Y/N]

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!

3.2、升级bin版本

此时bootware版本更新完成，进扩展boot升级设备版本。

```
*******************************************************************************
*                                            *
*            H3C WA4320-ACN-C BootWare, Version 1.05            *
*                                            *
*******************************************************************************
```

Copyright (c) 2004-2016 Hangzhou H3C Technologies Co., Ltd.

Compiled Date   : Jun 28 2016

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.B

Read net params from bootrom failed, use the default value

BootWare Validating...

Press Ctrl+B to enter extended boot menu...

Starting to get the main application file--flash:/wa4300s_fit.bin!

The main application file does not exist--flash:/wa4300s_fit.bin!

Starting to get the backup application file--flash:/backup.bin!

The backup application file does not exist--flash:/backup.bin!

Starting to get the secure application file--flash:/secure.bin!

The secure application file does not exist--flash:/secure.bin!

Booting App fails!

Trying to get the IP address from the DHCP server......

Getting IP Address Failed, the system will reboot.

 [State : Idle] Reset request, rebooting the AP

Rebooting......

System is starting...

Press Ctrl+D to access BASIC-BOOTWARE MENU

Booting Normal Extend BootWare

The Extend BootWare is self-decompressing........................Done!

按住ctrl+b进到boot

```
*******************************************************************************
*                                                        *
*          H3C WA4320-ACN-C BootWare, Version 1.05             *
*                                                        *
*******************************************************************************
```

Copyright (c) 2004-2016 Hangzhou H3C Technologies Co., Ltd.

Compiled Date   : Jun 28 2016

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.B

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
Enter your choice(0-9):

按住ctrl+F,再次格式化   //第二次格式化，"Y"需要手工输入
Warning:All files on flash will be lost! Are you sure to format? [Y/N]Y.....
....
....
Format success.

===========================<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    //进到以太网子菜单
```

```
=========================<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    //更改以太网参数
```

```
=========================<ETHERNET          PARAMETER
SET>=========================
|Note:      '.' = Clear field.                |
|       '-' = Go to previous field.          |
|      Ctrl+D = Quit.                    |
============================================================:
Protocol (FTP or TFTP) :tftp
```
//忽略输出内容，直接输入TFTP，然后回车
```
Load File Name       :wa4300s_fat.bin
```
//忽略输出内容，直接输入wa4300s_fat.bin，然后回车
```
Target File Name      :wa4300s_fat.bin
```
//忽略输出内容，直接输入wa4300s_fat.bin，然后回车

Server IP Address 　　:192.168.0.1
//忽略输出内容，直接输入电脑主机的 IP，如192.168.0.1，然后回车
Local IP Address 　　　:192.168.0.19
//忽略输出内容，直接输入和电脑主机的ip同一网段，比如192.168.0.19，然后回车
Subnet Mask 　　　:255.255.255.0
//忽略输出内容，直接回车
Gateway IP Address 　　:0.0.0.0
//忽略输出内容，直接回车

==========================<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 　//更新主应用文件，此时为AP版本文件
Loading...

....

....
.Done!
11248640 bytes downloaded!
Updating File flash:/wa4300s_fat.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    //返回主菜单


==========================<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          //重启
System is starting...
Press Ctrl+D to access BASIC-BOOTWARE MENU
Booting Normal Extend BootWare
The Extend BootWare is self-decompressing........................Done!


****************************************************************************
*                                                      *
*          H3C WA4320-ACN-C BootWare, Version 1.05             *
*                                                      *
****************************************************************************
Copyright (c) 2004-2016 Hangzhou H3C Technologies Co., Ltd.

Compiled Date      : Jun 28 2016
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.B


BootWare Validating...
Press Ctrl+B to enter extended boot menu...
Starting to get the main application file--flash:/wa4300s_fat.bin!..........
.............................................................
.............................................................
..........
The App file is self-decompressing.........................................
.............................................................
.............................................................
.............................................................
.............................................................
.............................................................
.............................................................
..............................................................
.
.................Done!
System application is starting...
Startup configuration file does not exist.
User interface con0 is available.
```

4. 切换成V5胖模式完成。

重启设备完成后就可以使用默认的管理地址192.168.0.50登录AP进行管理了。登录AP的默认用户名是admin，密码是h3capadmin.