小贝胖瘦切换完整

江源远 　2015-08-30 发表

无线设备的胖瘦切换实验

1.　胖切瘦

a)　命令行切换

\<WAP621\>**ap-mode fit**

 Change working mode will reboot system, do you want to continue? [Y/N]**y**

 Change working mode to FIT now? [Y/N]**y**......

切换完成后设备重启，如果跟AC连接正确可以自动注册，版本也会自动更新。

%Mar 19 16:41:41:635 2009 WAP621 IFNET/3/LINK_UPDOWN: GigabitEthernet1/0/1 link status is DOWN.

System is starting...

Press Ctrl+D to access BASIC-BOOTWARE MENU

Booting Normal Extend BootWare....

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

****

*   *

*   H3C WAP621 BootWare, Version 3.03   *

*   *

****

Copyright (c) 2004-2014 Hangzhou H3C Technologies Co., Ltd.

Compiled Date　　 : Sep 1 2014

CPU Type　　　 : AR9344

CPU L1 Cache　　 : 32KB

CPU Clock Speed　 : 560MHz

Memory Type　　 : SDRAM

Memory Size　　 : 128MB

Memory Speed　　 : 480MHz

BootWare Size　　 : 512KB

Flash Size　　 : 16MB

PCB Version　　 : Ver.A

BootWare Validating...

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

Starting to get the main application file--flash:/wa2600a_fit.bin!

The main application file does not exist--flash:/wa2600a_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......

DHCP server&＃39;s IP address is 192.168.0.100

Client&＃39;s assigned address is 192.168.0.3

DNS domain name got from DHCP server is

DNS server&＃39;s IP address is 0.0.0.0

Default Gateway&＃39;s IP address is 192.168.0.100

This client&＃39;s subnet mask is 255.255.255.0

The length of option 43 is: 0

Change State : Idle to Broadcast Discovery
Change State : Broadcast Discovery to Join
Change State : Join to JoinAck
Change State : JoinCfm to Image Download...

....
[State : ImageLoad] Image download successful
[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!

****
*   *
*   H3C WAP621 BootWare, Version 3.03   *
*   *
****
Copyright (c) 2004-2014 Hangzhou H3C Technologies Co., Ltd.

Compiled Date   : Sep 1 2014
CPU Type   : AR9344
CPU L1 Cache   : 32KB
CPU Clock Speed   : 560MHz
Memory Type   : SDRAM
Memory Size   : 128MB
Memory Speed   : 480MHz
BootWare Size   : 512KB
Flash Size   : 16MB
PCB Version   : Ver.A

BootWare Validating...
Press Ctrl+B to enter extended boot menu...
Starting to get the main application file--flash:/wa2600a_fit.bin!..........
....
....
The main application file is self-decompressing.............................
....
....
....
....
.............................Done!
Extend BootWare Version is not equal,updating? [Y/N]
Updating Extend BootWare..........Done!
Basic BootWare Version is not equal,updating? [Y/N]
Updating Basic 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 WAP621 BootWare, Version 3.05   *
*   *
****
Copyright (c) 2004-2014 Hangzhou H3C Technologies Co., Ltd.

Compiled Date   : Nov 20 2014
CPU Type   : AR9344
CPU L1 Cache   : 32KB

CPU Clock Speed   : 560MHz

Memory Type   : SDRAM

Memory Size   : 128MB

Memory Speed   : 480MHz

BootWare Size   : 512KB

Flash Size   : 16MB

PCB Version   : Ver.A

BootWare Validating...

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

Starting to get the main application file--flash:/wa2600a_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.

进入AC查看，AP已经注册成功

<H3C>dis wlan ap all

 Total Number of APs configured   : 1

 Total Number of configured APs connected : 1

 Total Number of auto APs connected   : 0

 Total Number of APs connected   : 1

 Maximum AP capacity   : 32

 Remaining AP capacity   : 31

                    AP Profiles

 State : I = Idle, J = Join, JA = JoinAck, IL = ImageLoad

      C = Config, R = Run, KU = KeyUpdate, KC = KeyCfm

      M = Master, B = Backup

 AP Name   State Model   Serial-ID

 3c8c-403c-88d0   R/M WAP621   219801A0Q59153Q00000

----

b)   Web切换

页面向导：高级设置——形态切换——切换

2.   命令行瘦切胖

命令行升级需在PC上搭建TFTPServer（推荐用户使用3CDaemon搭建TFTP服务器，百度可下）将软件版本下载到设备FLASH内，然后通过命令行首先加载BOOTROM，第二步再加载主机软件版本，加载时敲得文件名一定要一致，建议复制黏贴不要手打，然后升级过程中避免断电重启操作。

下载到PC后需修改文件名，AP本地后对应的启动文件名均为WA2600a_fat.bin，需要注意文件名称修改正确。

a)   设备有console口

1)   断开AC连接，设备启动完毕后修改设备管理地址

<WAP621>**sys**

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

[WAP621]**int vlan 1**

[WAP621-Vlan-interface1]**ip add 192.168.0.3 24**

[WAP621-Vlan-interface1]**qu**

2)   搭建TFTP服务器

在计算机上的3CD软件上选择存放版本的路径，点应用。

3)   上传版本

<WAP621>**tftp 192.168.0.1 get apwa26xx_v3.03.btw**

  .

  File will be transferred in binary mode

  Downloading file from remote TFTP server, please wait......

  TFTP: 408332 bytes received in 3 second(s)

  File downloaded successfully.

<WAP621>tftp 192.168.0.1 get wa2600a_fat.bin

  ..

File will be transferred in binary mode

Downloading file from remote TFTP server, please wait.................../

....

TFTP: 9091072 bytes received in 63 second(s)

File downloaded successfully.

PS：如果提示FLASH空间已已放下新版本请将老版本删除，删除后请勿重启，否则设备已无系统，只能通过bootrom升级。

<WAP621>delete /unreserved wa2600a_fit.bin

The contents cannot be restored!!! Delete flash:/wa2600a_fit.bin?[Y/N]:y

Deleting a file permanently will take a long time. Please wait...

....

%Delete file flash:/wa2600a_fit.bin...Done.

//如果空间不够，可以删除原有的软件版本释放存储空间

4)   加载版本

<WAP621>**bootrom update file apwa26xx_v3.03.btw**

 This command will update bootrom file, Continue? [Y/N]:y

 Now updating bootrom, please wait...

 Updating basic bootrom!

 Update basic bootrom success!

 Updating extended bootrom!

 Update extended bootrom success!

 Update bootrom success!

<WAP621>**boot-loader file wa2600a_fat.bin**

Verifying boot file ......

 This command will set the boot file. Continue? [Y/N]:y

System is starting...

Press Ctrl+D to access BASIC-BOOTWARE MENU

Booting Normal Extend BootWare....

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

****

*   *

*   H3C WAP621 BootWare, Version 3.03   *

*   *

****

Copyright (c) 2004-2014 Hangzhou H3C Technologies Co., Ltd.

Compiled Date   : Sep 1 2014

CPU Type   : AR9344

CPU L1 Cache   : 32KB

CPU Clock Speed   : 560MHz

Memory Type   : SDRAM

Memory Size   : 128MB

Memory Speed   : 480MHz

BootWare Size   : 512KB

Flash Size   : 16MB

PCB Version   : Ver.A

BootWare Validating...

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

Starting to get the main application file--flash:/wa2600a_fat.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.

b) 设备无console口

1) 查看AP name

[H3C]**dis wlan ap all**

Total Number of APs configured   : 0

Total Number of configured APs connected : 0

Total Number of auto APs connected   : 1

Total Number of APs connected   : 1

Maximum AP capacity   : 32

Remaining AP capacity   : 31

                    AP Profiles

State : I = Idle, J = Join, JA = JoinAck, IL = ImageLoad

    C = Config, R = Run, KU = KeyUpdate, KC = KeyCfm

    M = Master, B = Backup

AP Name   State Model   Serial-ID

3c8c-403c-88d0   R/M WAP621   219801A0Q59153Q00000

2) 进入AC的隐藏模式

[H3C]_h

Now you enter a hidden command view for developer's testing, some commands may

affect operation by wrong use, please carefully use it with our engineer's direction.

3) 开启AP的telnet功能:

[H3C-hidecmd]wlan ap-execute 3c8c-403c-88d0 exec-control enable

[H3C-hidecmd]wlan ap-execute 3c8c-403c-88d0 telnet enable

[H3C-hidecmd]qui

4) Telnet进入AP导入版本

<H3C>telnet 192.168.0.3

Trying 192.168.0.3 ...

Press CTRL+K to abort

Connected to 192.168.0.3 ...

****

* Copyright (c) 2004-2015 Hangzhou H3C Tech. Co., Ltd. All rights reserved. *

* Without the owner's prior written consent,   *

* no decompiling or reverse-engineering shall be allowed.   *

****

<3c8c-403c-88d0>

之后导入和加载步骤同上

命令行升级需在PC上搭建TFTPServer（推荐用户使用3CDaemon搭建TFTP服务器，百度可下）将软件版本下载到设备FLASH内，然后通过命令行首先加载BOOTROM，第二步再加载主机软件版本，加载时敲得文件名一定要一致，建议复制黏贴不要手打，然后升级过程中避免断电重启操作。

下载到PC后需修改文件名，AP本地后对应的启动文件名均为WA2600a_fat.bin，需要注意文件名称修改正确。