

# 知 无线控制器V5升级V7操作指南及注意事项

软件升级 樊昊 2017-03-21 发表

部分局点存在如下情况,需要将无线控制V5升级至V7版本。

注意: 如果设备为现网在网运行设备, 升级前必须按照以下清单进行逐一确认:

1. V7版本AC只能注册V7的AP, 不支持注册V5 ONLY的老AP, 需要在目标V7版本中详细进行确认, 现网AP是否能够被目标V7版本支持, 具体可参照V7版本说明书;
2. 现网带业务局点V5控制器升级V7, 需反馈如下检查项信息, 由通过400确认OK后再安排升级。

No	反馈信息	检查内容	Y/ N
1	升级原因	升级V7的理由和诉求	
2	AC型号	当前AC型号是否支持升级V7?	Y
3	AP型号	当前AP型号有哪些? AP项目编码 (BOM) 是否完全支持升级V7?	Y
4	网管是否允许重置	升级V7后, 设备呈现为一台新设备, 需要在网管侧重新添加。	Y
5	V7配置重写	V5配置和V7配置不兼容, 允许重写配置。	Y
6	业务是否允许中断	V5升级V7有业务长时间中断的风险, 客户关系是否支撑。	Y

特别强调, 一般情况下现网V5设备不要轻易升级V7。

如为新设备, 则确认好采购的AP、AC是否支持V7后即可按照以下指导进行版本升级操作。

不涉及

- 1、下载设备的bootrom文件以及V7版本文件到本地PC, 以WX5540E为例, bootrom文件为boot.bin, V7版本文件为WX5540E-V7.ipe版本文件以及对于的升级需要使用的boot文件在FTP可以取到, 提前准备好并与400确认是否可用;
- 2、PC上安装tftp server软件, 使能tftp server, 提前设置好相关路径, 设置好PC IP地址 (本指南以PC地址1.1.1.1)
- 3、PC和设备的管理口相连
- 4、PC通过串口访问设备
- 5、重启设备
- 6、重启过程中按住Ctrl+B键进入bootware操作界面

```
*****  
*  
*                H3C WX5540E Bootware, Version 1.12                *  
*  
*****  
Compiled Date      : Aug 18 2015  
CPU Type           : XLP432  
CPU Clock Speed   : 1400MHz  
Memory Type       : DDR3 SDRAM  
Memory Size       : 8192MB  
Memory Speed      : 1333MHz  
Bootware Size     : 768KB  
Flash Size        : 16MB  
cfa0 Size         : 4002MB  
CPLD1 Version     : 006  
CPLD2 Version     : 004  
PCB Version       : Ver. B
```

Bootware validating...  
**Press Ctrl+B to enter extended boot menu...** 在打印此行提示之前按住Ctrl+B  
Bootware password: Not required. Please press Enter to continue.

Password recovery capability is enabled.  
Note: The current operating device is cfa0  
Enter < Storage Device Operation > to select device.

- 7、进入bootware操作界面后, 依次输入3, 5

```

===== <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+Z: Access EXTEND-ASSISTANT MENU
Ctrl+C: Display Copyright
Ctrl+F: Format File System
Enter your choice(0-9): 3
=====

```

```

===== <Enter Ethernet SubMenu> =====
|Note:the operating device is cfa0
|<1> Download Application Program To SDRAM And Run
|<2> Update Main Application File
|<3> Update Backup Application File
|<4> Update Secure Application File
|<5> Modify Ethernet Parameter
|<0> Exit To Main Menu
|<Ensure The Parameter Be Modified Before Downloading!>
=====

```

```

Enter your choice(0-5): 5
=====

```

8、依次输入如下内容，每输完一项按回车

Protocol: tftp (如果安装的ftp server则输入ftp)

Load File Name: boot.bin

Target File Name: boot.bin

Server IP Address: TFTP Server的地址，此处为PC的地址

Local IP Address: 与TFTP Server同一网段的一个可用地址

Gateway IP Address: 若Local与Server地址在同一网段则无需配置，如果不在同一网段，则需指定一个可达的网关地址。

(如果用FTP server，则需要输入用户名密码信息，TFTP server不用)

FTP User Name: 输入FTP Server的用户名

FTP User Password: 输入FTP Server的密码

```

===== <ETHERNET PARAMETER SET> =====
|Note:      '.' = Clear field.
|           '-' = Go to previous field.
|           Ctrl+D = Quit.
=====
Protocol (FTP or TFTP)  tftp
Load File Name         :wx5500-cmw520-r2609P51.bin
                       boot.bin
Target File Name       :wx5500-cmw520-r2609P51.bin
                       boot.bin
Server IP Address      :1.1.1.10 1.1.1.1
Local IP Address       :1.1.1.4 1.1.1.2
Gateway IP Address     :0.0.0.0

```

9、以上全部输入完成后，输入1升级Bootware，设备自动重启

```

=====<Enter Ethernet SubMenu>=====
|Note:the operating device is cfa0
|<1> Download Application Program To SDRAM And Run
|<2> Update Main Application File
|<3> Update Backup Application File
|<4> Update Secure Application File
|<5> Modify Ethernet Parameter
|<0> Exit To Main Menu
|<Ensure The Parameter Be Modified Before Downloading!>
=====
Enter your choice(0-5): 1
Loading.....Done!
388096 bytes downloaded!
Extend BootWare Version is not equal,updating? [Y/N]Y
Updating Extend BootWare.....Done!
Basic BootWare Version is not equal,updating? [Y/N]Y
Updating Basic BootWare.....Done!
BootWare updated,System is rebooting now.
System is starting...
Press Ctrl+D to access BASIC-BOOTWARE MENU...
Booting Normal Extended BootWare
The Extended BootWare is self-decompressing.....Done.

```

10、在没有V7版本启动文件的情况下，设备会自动进入bootware界面，如果没有进入，也可以手动按Ctrl+B进入，方法和步骤6一样

```

*****
*
*                               H3C WX5540E Bootware, Version 5.03
*
*****
Compiled Date      : May 13 2015
CPU Type          : XLP432
CPU Clock Speed   : 1400MHZ
Memory Type       : DDR3 SDRAM
Memory Size       : 8192MB
Memory Speed      : 1333MHZ
Bootware Size     : 768KB
Flash Size        : 16MB
cfa0 Size         : 4002MB
CPLD1 Version     : 006
CPLD2 Version     : 004
PCB Version       : Ver.B

```

```

Bootware Validating...
Image program does not exist.

Password recovery capability is enabled.
Note: The current operating device is cfa0
Enter < Storage Device operation > to select device.

```

11、进入bootware操作界面后，依次输入3、5



14、下载版本完成后，依次输入0、0重启设备

```
=====<Enter Ethernet SubMenu>=====
|Note:the operating device is cfa0
|<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
Enter your choice(0-9): 0
System is starting...
Press Ctrl+D to access BASIC-BOOTWARE MENU
Press Ctrl+T to start heavy memory test
Booting Normal Extended Bootware
The Extended Bootware is self-decompressing....Done.
```

```
*****
*
*                H3C WX5540E Bootware, Version 5.05
*
*****
Compiled Date      : Sep  2 2015
CPU Type           : XLP432
CPU Clock Speed   : 1400MHz
Memory Type       : DDR3 SDRAM
Memory Size       : 8192MB
Memory Speed      : 1333MHz
Bootware Size     : 768KB
Flash Size        : 16MB
cfa0 Size         : 4002MB
CPLD1 Version     : 006
CPLD2 Version     : 004
PCB Version       : Ver.B
```

```
Bootware validating...
Press Ctrl+B to access EXTENDED-BOOTWARE MENU...
Loading the main image files...
Loading file cfa0:/wx5540-system.bin.....
.....Done.
Loading file cfa0:/wx5540-boot.bin.....
.....Done.
```

```
Image file cfa0:/wx5540-boot.bin is self-decompressing.....
.....Done.
System image is starting...
```

15、查看版本显示，完成V7版本升级

```
display version
H3C Comware Software, Version 7.1.064, Release 5109P07
Copyright (c) 2004-2015 Hangzhou H3C Tech. Co., Ltd. All rights reserved.
H3C WX5540E uptime is 0 weeks, 0 days, 0 hours, 38 minutes
Last reboot reason : User soft reboot
Boot image: cfa0:/wx5540-boot.bin
Boot image version: 7.1.064, Release 5109P07
  Compiled Dec 07 2015 16:00:00
System image: cfa0:/wx5540-system.bin
System image version: 7.1.064, Release 5109P07
  Compiled Dec 07 2015 16:00:00
Slot 1
with 1 RMI XLP 432 1400MHz Processor
8160M bytes DDR3
16M bytes NorFlash Memory
4002M bytes CFCard Memory
Hardware Version is Ver.b
FPGA1 Hardware Version is Ver.a
```

FPGA2 Hardware Version is Ver.a

CPLD 1 CPLD Version is 006

CPLD 2 CPLD Version is 004

FPGA1 Logic Version is 406

FPGA2 Logic Version is 406

Basic Bootrom Version is 5.05

Extend Bootrom Version is 5.05

[Subslot 0]H3C WX5540E Hardware Version is Ver.b

16、如果在网AC，需要在升级完成后将预先准备好的V7配置刷入设备，或重新配置

17.验证业务，完成升级

如果设备为现网在网运行设备，升级前必须注意以下几点，并按照本指南开头提到的checklist进行逐项检查：

1. V7版本AC只能注册V7的AP，不支持注册V5 ONLY的老AP，需要在目标V7版本中详细进行确认，现网AP是否能够被目标V7版本支持；
2. 现网带业务局点V5控制器升级V7，需慎重对待，及时与400确认；
3. 现网V5设备不要轻易升级V7。