Method to Upgrade VRP in BOOTROM XModem Mode on AR28、AR46 Se ries Routers

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Method to Upgrade VRP in BOOTROM XModem Mode on AR28, AR46 Series R
[Operation procedure]
Step 1: The router performs power-on self-test and displays the following information:
Start to reboot
Router starts booting(V2.05)
Starting at 0x1c00000

* *
* Quidway Series Routers Boot ROM, V9.07 *
* *

Copyright(C) 1997-2004 by HUAWEI TECH CO., LTD.
Compiled at 18:10:29, Oct 14 2004.
Tacting memory OKI
129M bytes SDRAM
32768k hytes flash memory
Hardware Version is MTR 1.0
CPLD Version is CPLD 1.0
Press Ctrl-B to enter Boot Menu
Press Ctrl+B to enter the BOOTROM menu.
Step 2: The following information is displayed after you press Ctrl+B:
Please input Bootrom password:
Here, you need to enter the BootROM password (no password by default, press Ente
r). If you have modified the password, you need to enter the correct one. The system
aborts after three failed password attempts.
Stop 2: The following information is displayed when you onter a correct RootPOM na
seword.
Boot Menu:
1: Download application program with XMODEM
2: Download application program with NET
3: Set application file type
4: Display applications in Flash
5: Clear application password
6: Start up and ignore configuration
7: Enter debugging environment
8: Boot Rom Operation Menu
9: Do not check the version of the software
a: Exit and reboot
Enter your choice(1-a): 1
In shows prompt information
In above prompt information, Select 1: Download application program with YMODEM
Select 1. Download application program with AMODEM.
Step 4: You are prompted to select the baud rate to load the software
Please choose your download speed:
1: 9600 bps
2: 19200 bps
3: 38400 bps
4: 57600 bps
5: 115200 bps
6: Exit to Main Menu

Enter your choice(1-6): 5

Select 1-5 to download the router BootROM software based on the relevant baud rat e.

Step 5: We take 115200bps as an example. You are prompted to change the baud ra te and choose the XModem protocol as follows: Download speed is 115200 bps. Change the terminal's speed to 115200

bps, and select XMODEM protocol. Press ENTER key when ready.

After setting the baud rate on the terminal, click OK. On the terminal menu, click

Disconnect and Connect to go to the next step.

Step 6: The following information shows the router is waiting for the loading: Now Downloading Program File.

Please Start Transfer Program File Use Xmodem Protocal.

If You Want To Exit Press <Ctrl+X>.

Downloading...CCCCCCCCC

Select **Transfer** from the menu of terminal emulation program to enter the following d ialog box:

Note: The file name in the figure is an example only.

Step 7: Click **Browse** to open the folder where the BOOTROM software is stored. Se lect the file, change the protocol for download to XModem and click **Transfer.** Then t he system starts the download and you enter the following dialog box:

Step 8: Upon the load, the router will prompt:

Download successful! 8695296 bytes downloaded!

Please select file to be saved as

1. Main application file

2. Backup application file

3. Secure application file

The above information shows the download is successful and prompts you to save th e version as which type of startup file.

Select 1. Main application file.

Save the version file as Main type. The system begins to save the file.

The file to be written is flash:/main.bin, please wait.

Creating the file: flash:/main.bin

Write data to flash ...

Please wait, it may take a long time!

Please use 9600 bps.Press <Enter> key to reboot the system .

[Verification]

Recover the baud rate of the terminal emulation program to 9600bps and press **Ente r** to reboot the router and run the new program. The version information upon the reboot is shown as follows: <Quidway>disp ver Copyright Notice: All rights reserved (Dec 10 2004). Without the owner's prior written consent, no decompiling nor reverse-engineering shall be allowed. Huawei-3Com Versatile Routing Platform Software VRP(R) software, Version 3.40, Release 0006 Copyright (c) 2003-2004 Hangzhou Huawei-3Com Tech. Co.,Ltd. All rights reserved. Copyright (c) 2000-2003 Huawei Tech. Co.,Ltd. All rights reserved. Quidway AR28-31 uptime is 0 week, 0 day, 0 hour, 28 minutes

CPU type: PowerPC 8245 300MHz 128M bytes SDRAM Memory 32M bytes Flash Memory 128K bytes NvRAM Memory Pcb Version:1.0 Logic Version:1.0 BootROM Version:9.07 [SLOT 0] 2FE (Hardware)2.1, (Driver)2.0, (Cpld)0.0 [SLOT 1] 2SA (Hardware)1.1, (Driver)1.5, (Cpld)0.0

[Tip]

1. This method to upgrade the VRP will take a long period. If you are familiar with the upgrade method of Huawei-3Com equipment, this method will not be recommended. FTP or TFTP in CLI is recommended.

2. If you are not familiar with the upgrade of Huawei-3Com equipment, this method is recommended for it is simple; however, it will take a long period.