Typical Configuration of Upgrade CLI FTP of BOOTROM on AR28、AR46 Series Routers

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The BOOTROM version for VRP3.40 is 9.xx (matching between the version and Bootrom does not need to be considered in AR46, that is, the bootrom upgrade does not need to be considered by AR46 in online application). Therefore, the BOOTROM version should be upgraded first. You can use the following CLI to upgrade the BOOTROM.

[Operation procedure]

Step 1: Enable FTP server on the router and configure the user name and the Ethernet interface address.

Configuration script
| ```
#
 sysname Quidway
#
 cpu-usage cycle 1min
#
radius scheme system
#
domain system
#
local-user aaa
 password simple aaa        //configure the local account aaa/aaa
 service-type ftp           //configure the aaa service type to ftp
local-user admin
 password cipher .]@USE=B,53Q=^Q`MAF4<1!!
 service-type telnet terminal
 level 3
 service-type ftp
#
interface Aux0
 async mode flow
#
interface Ethernet0/0
 ip address 10.0.0.1 255.255.255.0   //configure the interface address
#
interface Ethernet0/1
 ip address dhcp-alloc
#
interface Serial0/0
 clock DTECLK1
 link-protocol ppp
 ip address dhcp-alloc
#
interface NULL0
#
 FTP server enable          //enable ftp server
#
user-interface con 0
user-interface aux 0
user-interface vty 0 4
 authentication-mode scheme
#
return
``` |

Step 2: FTP to the router from the PC and execute the following command to upload the **full** upgrade file (file name is **907bootromfull** and the size is 512K) of Bootrom 9.07:

Example for the operation on the PC:

ftp> bin

200 Type set to I.

ftp> **put** 907bootromfull **bootromfull**

200 Port command okay.

150 Server okay , now receive file.

226 file transmit success.

ftp: 524288 bytes sent in 6.66Seconds 78.77Kbytes/sec.

ftp>

Then the router prompts:

Ftp server is currently writing to flash , please wait...

Ftp server writing to flash is done.

Step 3: Execute **upgrade bootrom full** to upgrade the BOOTROM.
The system prompts:
<Quidway>upgrade bootrom full
  WARNING: The operation is to update the Boot ROM.
          It may result in booting failure.
  Caution!!! upgrade bootrom [Y/N]?y
  Please wait, it may take a long time
  upgrade succeeds!
[Verification]
Reboot the router, view the BOOTROM version and confirm the upgrade is successful.
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.

  Testing memory...OK!
  128M   bytes SDRAM
  32768k bytes flash memory
  Hardware Version is MTR 1.0
  CPLD Version is CPLD 1.0

  Press Ctrl-B to enter Boot Menu
  [Tip]
1. This method is also available for degrading the BOOTROM version. After uploading the BOOTROM version to be upgraded through the **bootromfull** file name,
execute **upgrade bootrom full** to restart the system.
2. **Degrading the BOOTROM is not suggested generally.**