🗩 SR66SR66-X系列路由器V5升级V7操作指导

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一、 组网需求:

SR66SR66-X系列路由器部分设备V7版本已经陆续发布,其中SR6600系列路由器需要更换支持V7平台的RPE-X3主控以及BKEC扩展板,而SR6602-X以及SR66-X路由器可以平滑升级至V7版本不需要更换硬件,但是需要单独将V5 Bootware升级到V7 Bootware。下面为大家介绍一下SR66系列路由器V5升级V7步骤。

二、 组网图:



三、 配置步骤:

升级V5 Bootware到V7 Bootware

重启设备,当出现"Press Ctrl+B to enter extended boot menu..."时,键入,进入Comware V 5 BootWare菜单。

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 cfa0

Enter < Storage Device Operation > to select device.

<1> Boot System	
<2> Enter Serial SubMenu	I
<3> Enter Ethernet SubMenu	I
<4> File Control	I
<5> Restore to Factory Default Configuration	1
<6> Skip Current System Configuration	1
<7> BootWare Operation Menu	I
<8> Clear Super Password	I
<9> Storage Device Operation	1
<0> Reboot	1

Ctrl+Z: Access EXTEND-ASSISTANT MENU Ctrl+C: Display Copyright Ctrl+F: Format File System Enter your choice(0-9): 7 (2) 对于SR6602-X路由器,需要在BootWare主菜单下键入F>,格式化Flash再进行下一步操作 。 Ctrl+Z: Access EXTEND-ASSISTANT MENU Ctrl+C: Display Copyright Ctrl+F: Format File System Enter your choice(0-9): Warning:All files on flash will be lost! Are you sure to format? [Y/N]Y.....

Format success.

(3) 在BootWare主菜单下选择<7>可以进入BootWare操作子菜单:

Note:the operating device is cfa0	I
<1> Backup Full BootWare	I
<2> Restore Full BootWare	I
<3> Update BootWare By Serial	I
<4> Update BootWare By Ethernet	1
<pre> <0> Exit To Main Menu</pre>	I
Enter your choice(0-4):4	
(4) 在BootWare操作子菜单选择<4>,进入以	太网口配置菜单:
<pre> <1> Update Full BootWare</pre>	===
<pre> <2> Update Extend BootWare</pre>	I
<3> Update Basic BootWare	I
<4> Modify Ethernet Parameter	1
<pre> <0> Exit To Main Menu</pre>	I
Enter your choice(0-4):4	
Note: '.' = Clear field.	
'-' = Go to previous field.	
Ctrl+D = Quit.	I
Protocol (FTP or TFTP) :tftp	
Load File Name :SR66V3.bin	
:RSE-X2-CMW710.btw	
Target File Name :SR66V3.bin	
:RSE-X2-CMW710.btw	
Server IP Address :192.168.100.4	
Local IP Address :192.168.100.11	
Gateway IP Address :192.168.100.11	
FTP User Name :liujunjie	
FTP User Password :1	
長1-1 以太网参数设置说明	
显示	

显示	况明
'.' = Clear field	快捷键:"."表示清除当前输入
'-' = Go to previous field	快捷键:"-"表示返回到前一个参数域
Ctrl+D = Quit	快捷键:表示退出参数配置界面
Protocol (FTP or TFTP)	使用的传输协议,可以为FTP或者TFTP
Load File Name	下载文件名,要与下载的实际文件名一致
Target File Name	存储的目标文件名。建议与服务器端文件名一致
Server IP Address	TFTP/FTP服务器的IP地址。
Local IP Address	本地IP地址,为TFTP/FTP客户端设置的IP地址
Gateway IP Address	网关IP地址。当与服务器不在同一网段时需要配置 网关地址。
FTP User Name	FTP用户名,传输协议为TFTP时,忽略此选项
FTP User Password	FTP用户密码, 传输协议为TFTP时, 忽略此选项

(5) 选择<1>, 下载Comware V7版本BootWare文件。

<pre> <1> Update Full BootWare</pre>	
<2> Update Extend BootWare	
<3> Update Basic BootWare	I

|<4> Modify Ethernet Parameter |<0> Exit To Main Menu _____ Enter your choice(0-4): 1 Loading.....Done! 675268 bytes downloaded! Updating Basic BootWare? [Y/N]Y Updating Basic BootWare.....Done! Updating Extend BootWare? [Y/N]Y Updating Extend BootWare......Done! (6) 返回BootWare主菜单,选择<0>,重启设备。 _____ |<1> Update Full BootWare |<2> Update Extend BootWare |<3> Update Basic BootWare |<4> Modify Ethernet Parameter |<0> Exit To Main Menu Enter your choice(0-4): 0 Note: the operating device is cfa0 |<1> Backup Full BootWare |<2> Restore Full BootWare |<3> Update BootWare By Serial |<4> Update BootWare By Ethernet I<0> Exit To Main Menu ______ Enter your choice(0-4): 0 _____ |<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):0 加载Comware V7版本文件 (7) 设备重启后直接进入Comware V7 BootWare主菜单。 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.

.....Done.

256792576 bytes downloaded!

Image file sr66x1-cmw710-boot-A720101.bin is self-decompressing... Saving file cfa0:/sr66x1-cmw710-boot-A720101.bin

.....

.....Done.

Image file sr66x1-cmw710-system-A720101.bin is self-decompressing... Saving file cfa0:/sr66x1-cmw710-system-A720101.bin

.....Done.

Note:the operating device is cfa0			
<1> Download Image Program To SDRAM And Run		1	
<2> Update Main Image File			
<3> Update Backup Image File	1		
<pre> <4> Download Files(*.*)</pre>			
<5> Modify Ethernet Parameter	I		
<0> Exit To Main Menu			

Enter your choice(0-5):0

(10) 选择<0>, 返回BootWare主菜单。选择<1>, 引导系统, 完成升级。

<1> Boot System			
<2> Enter Serial SubMenu			
<3> Enter Ethernet SubMenu			
<pre><4> File Control</pre>			
<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): 1 Loading.....

.....

.....

.....

256792576 bytes downloaded! Loading file sr66x1-cmw710-boot-A720101.bin...Done! copy file sr66x1-cmw710-boot-A720101.bin(pkgcode:1) to 0x22e9800@0xe0001000

.....Done.

Loading file sr66x1-cmw710-system-A720101.bin...Done! copy file sr66x1-cmw710-system-A720101.bin(pkgcode:2) to 0xd1fa400@0xe22eb000

Image file sr66x1-cmw710-boot-A720101.bin is self-decompressing.....

.....Done. System image is starting...Cryptographic Algorithms Known-Answer Tests are runni ng ... CPU 0 of slot 0 in chassis 0: Starting Known-Answer tests in the user space. Known-answer test for SHA1 passed. Known-answer test for SHA224 passed. Known-answer test for SHA256 passed. Known-answer test for SHA384 passed. Known-answer test for SHA512 passed. Known-answer test for HMAC-SHA1 passed. Known-answer test for HMAC-SHA224 passed. Known-answer test for HMAC-SHA256 passed. Known-answer test for HMAC-SHA384 passed. Known-answer test for HMAC-SHA512 passed. Known-answer test for AES passed. Known-answer test for RSA(signature/verification) passed. Known-answer test for RSA(encrypt/decrypt) passed. Known-answer test for DSA(signature/verification) passed. Known-answer test for random number generator passed. Known-Answer tests in the user space passed. Starting Known-Answer tests in the kernel. Known-answer test for SHA1 passed. Known-answer test for HMAC-SHA1 passed. Known-answer test for AES passed. Known-answer test for random number generator passed. Known-Answer tests in the kernel passed. Starting Known-Answer tests in the engine. Known-answer test for SHA1 passed. Known-answer test for HMAC-SHA1 passed. Known-answer test for AES passed. Known-answer test for RSA(signature/verification) passed. Known-answer test for RSA(encrypt/decrypt) passed. Known-answer test for DSA(signature/verification) passed. Known-answer test for random number generator passed. Known-Answer tests in the engine passed. Cryptographic Algorithms Known-Answer Tests passed. Line con0 is available.

Press ENTER to get started.

(11) 设备启动后,使display version命令查看设备版本,显示如下类似信息表示升级成功:
display version
H3C Comware Software, Version 7.1.054, A720101
Copyright (c) 2004-2014 Hangzhou H3C Tech. Co., Ltd. All rights reserved.
H3C SR6605-F uptime is 0 weeks, 0 days, 0 hours, 5 minutes
Last reboot reason : User reboot
Boot image : mld:/boot.bin
Boot image version: 7.1.054, A720101
Compiled May 21 2014 12:47:12
System image version: 7.1.054, A720101
Compiled May 21 2014 12:47:12

Slot 0: RSE-X2 uptime is 0 week, 0 day, 0 hour, 5 minutes CPU type: FREESCALE P2020 1000MHz 4096M bytes DDR3 SDRAM Memory 8M bytes Flash Memory 128K bytes NVRAM Basic Logic Version: 134.0 Extend Logic Version: 138.0 Basic BootWare Version: 2.00 Extend BootWare Version: 2.00 [FIXED PORTS] Console (Hardware)Ver.A, (Driver)1.0, (Cpld)138.0 [FIXED PORTS] AUX (Hardware)Ver.A, (Driver)1.0, (Cpld)138.0

四、配置关键点:

1. SR6602-X设备V5升级V7 Bootware时,需要先格式化Flash,而SR66X设备不需要格式化Flash

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2. SR6602-X的Bootware与SR66-X的Bootware不一样,两者不可混用;

3. 如果升级失败,希望回退V5版本,按照上述步骤,将V7 Bootware回退为V5 Bootware,然后加载V5软件版本即可;