

Contents

Introduction	1
Prerequisites	1
Example: Patching software	1
Network configuration	1
Applicable hardware and software versions.....	1
Restrictions and guidelines	3
Procedures	3
Verifying the configuration	4
Configuration files	4

Introduction

This document provides software patching examples that use `install` commands.

Prerequisites

The configuration examples in this document were created and verified in a lab environment, and all the devices were started with the factory default configuration. When you are working on a live network, make sure you understand the potential impact of every command on your network.

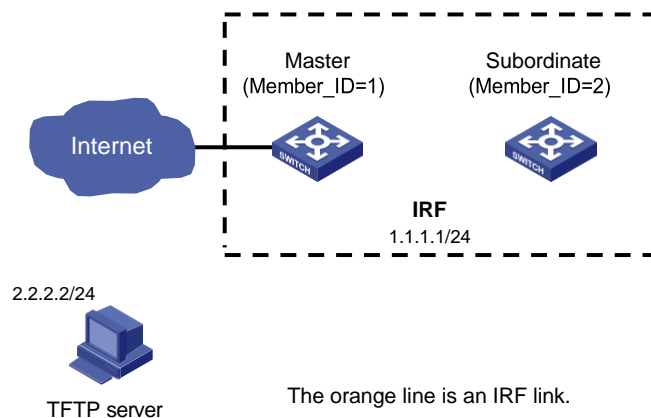
Example: Patching software

Network configuration

As shown in [Figure 1](#), the two-chassis IRF fabric and the TFTP server can reach each other. The IRF members are running CMW710-SYSTEM-R6312, and they have not been patched before.

Use the patch image file CMW710-SYSTEM-R6312H04.bin to fix bugs without rebooting the members.

Figure 1 Network diagram



Applicable hardware and software versions

The following matrix shows the hardware and software versions to which this configuration example is applicable:

Hardware	Software version
SC 3570 switch series	Release 11xx
SC 5525 switch series	Release 63xx, Release 65xx, Release 6615Pxx
SC 5520 switch series	Release 63xx, Release 65xx, Release 6615Pxx
SC 3170 switch series	Release 11xx
SC 3130 switch series	Release 63xx

Restrictions and guidelines

When you patch software for a centralized IRF device, follow these restrictions and guidelines:

- The first time you install patch images, you must start with the master. For subsequent patch installations, you must start with the subordinate members.
- The patch image version must match the device model and Comware version. For example, to fix bugs in CMW710-SYSTEM-R6312.bin, you must use CMW710-SYSTEM-R6312H04.bin.

Procedures

Download the patch image file CMW710-SYSTEM-R6312H04.bin from the TFTP server to the root directory of the flash memory on the master.

```
<Sysname> tftp 2.2.2.2 get CMW710-SYSTEM-R6312H04.bin
```

Press CTRL+C to abort.

% Total	% Received	% Xferd	Average	Speed	Time	Time	Time	Current
			Dload	Upload	Total	Spent	Left	Speed
100 25.2M	0 25.2M	0 0	210k	0	--:--:--	0:02:02	--:-----	209k

Activate the patch images on the master first and then on the subordinate member. This sequence is used because no patch images have been activated on the IRF fabric.

```
<Sysname> install activate patch flash:/CMW710-SYSTEM-R6312H04.bin slot 1
This operation maybe take several minutes, please wait..... Done.
<Sysname> install activate patch flash:/CMW710-SYSTEM-R6312H04.bin slot 2
This operation maybe take several minutes, please wait..... Done.
```

The patch images take effect immediately after they are activated.

For the patch images to take effect after a reboot, commit the software changes.

```
<Sysname> install commit
```

Verifying the configuration

Verify that the patch images have been activated successfully.

```
<Sysname> display install active
```

Active packages on slot 1:

```
flash:/CMW710-BOOT-R6312.bin
```

```
flash:/CMW710-SYSTEM-R6312.bin
```

```
flash:/CMW710-SYSTEM-R6312H04.bin
```

Active packages on slot 2:

```
flash:/CMW710-BOOT-R6312.bin
```

```
flash:/CMW710-SYSTEM-R6312.bin
```

```
flash:/CMW710-SYSTEM-R6312H04.bin
```

Verify that the patch image file has been added to the main startup software image list so the images can take effect after a reboot.

```
<Sysname> display install committed
```

Committed packages on slot 1:

```
flash:/CMW710-BOOT-R6312.bin
```

```
flash:/CMW710-SYSTEM-R6312.bin
```

```
flash:/CMW710-SYSTEM-R6312H04.bin
```

Committed packages on slot 2:

```
flash:/CMW710-BOOT-R6312.bin
```

```
flash:/CMW710-SYSTEM-R6312.bin
```

```
flash:/CMW710-SYSTEM-R6312H04.bin
```

Configuration files

The system does not save the commands used in the configuration procedures to a configuration file.