

Upgrade using a manifest file

FastIron 08.0.00a introduces a manifest file to provide a simplified upgrade mechanism from FastIron 08.0.00a to later releases, especially for units in a stack. You can use a single command to copy boot and flash images. Using the official manifest file, the images are copied onto the devices, and all member units are upgraded.

NOTE

These devices support software upgrades using a manifest file for standalone devices as well as for homogeneous and mixed stacks: FCX, ICX 6430, ICX 6450, ICX 6610, ICX 6650, ICX 7450, and ICX 7750 devices.

NOTE

The manifest file upgrade process is only applicable when you upgrade a device from FastIron 08.0.00a to a later version. For upgrade from FastIron 07.x.xx to FastIron 08.0.xx, refer to [Upgrade process](#) on page 21.

1. Unzip the downloaded FastIron image files on the TFTP server. This places the manifest file at the top of the directory structure with the images in subdirectories. Ensure that the Brocade device has access to the TFTP server.
2. If upgrading from FastIron 08.0.00x, delete the following lines from the manifest text file.

```
-DIRECTORY /RP/Boot
```

```
fxz08001b007.bin
```

```
-DIRECTORY /RP/Images
```

```
ICXS08001q033.bin
```

```
ICXR08001q033.bin
```

```
-DIRECTORY /RP/Signatures
```

```
fxz08001b007.sig
```

```
ICXS08001q033.sig
```

```
ICXR08001q033.sig
```

```
-DIRECTORY /RP/MIBs
```

```
ICXS08001q033.mib
```

```
ICXR08001q033.mib
```

```
-DIRECTORY /RP/Manuals
```

3. If upgrading to FastIron 08.0.10, delete the following lines from the manifest text file.

```
-DIRECTORY /ICX7750/Boot  
swz10100.bin  
  
-DIRECTORY /ICX7750/Images  
SWS08010.bin  
SWR08010.bin  
  
-DIRECTORY /ICX7750/Signatures  
swz10100.sig  
SWS08010.sig  
SWR08010.sig  
  
-DIRECTORY /ICX7750/MIBs  
SWS08010.mib  
SWR08010.mib  
  
-DIRECTORY /ICX7750/Manuals
```

4. If the FastIron device has only 8 MB of flash memory or if you want to install a full Layer 3 image on a device, delete the primary and secondary images before upgrading the image.

NOTE

Make sure that the TFTP server and the image files are reachable before deleting the image from flash. If the primary flash contains additional files that are not related to the software update, those files should also be deleted.

5. The manifest file upgrade process does not support downloading boot images in a mixed stack. If a newer boot image version is available, load the boot code manually in the stack units of a mixed stack. For detailed steps, refer to [Upgrade process](#) on page 21.
6. Enter the following commands to copy the manifest file and the images from the TFTP server to the device:

```
copy tftp system-manifest server-ip-address manifest-file-name [ primary | secondary ]
```

or

```
copy tftp system-manifest server-ip-address manifest-file-name [ all-images-primary | all-images-secondary ]
```

For example:

```
Brocade # copy tftp system-manifest 192.168.10.12 manifest.txt primary
```

You can use the **all-images-primary** and **all-images-secondary** options to copy all the images.

NOTE

Copying the manifest file using SCP is not supported.

NOTE

For standalone devices or a homogeneous stack, the manifest upgrade process downloads the boot image to the device only if a newer boot image version is available.

The manifest file specifies images for both router and switch types. Based on the device family and the type of image (switch or router), the appropriate images are installed.

After all the relevant images have been installed on the device, you are prompted to reboot the device to complete the upgrade process.

Example of a manifest file upgrade

```
Brocade# copy tftp system-manifest 10.20.65.49 FI08000B3_Manifest.txt all-images-
primary
You are about to download boot image and boot signature image as well, ARE YOU SURE?
(enter 'y' or 'n'): y
Brocade# Flash Memory Write (8192 bytes per dot) .
DOWNLOADING MANIFEST FILE Done.
Brocade# Flash Memory Write (8192 bytes per dot)
Automatic copy to member units: 2
DOWNLOAD OF ICX6610 BOOT SIGNATURE Done.
Brocade# Load to buffer (8192 bytes per dot)
Automatic copy to member units: 2
.....Write to boot flash..
DOWNLOAD OF ICX6610 BOOT Done.
Brocade#Flash Memory Write (8192 bytes per dot)
Automatic copy to member units: 2
Copy ICX6610 signature from TFTP to Flash Done
Brocade#Flash Memory Write (8192 bytes per dot)
Automatic copy to member units: 2
.....
.....
WARNING: New user connected to this port.
Current number of users: 5
.....
.....
.....
Copy ICX6610 from TFTP to Flash Done.
Brocade# Flash Memory Write (8192 bytes per dot)
Automatic copy to member units: 3 4 5 7 8
.
COPY ICX6450 SIGNATURE TFTP to Flash Done .
Brocade# Flash Memory Write (8192 bytes per dot)
Automatic copy to member units: 3 4 5 7 8
.....
.....
.....
.....
.....PLEASE WAIT. MEMBERS
SYNCING IMAGE TO FLASH. DO NOT SWITCH OVER OR POWER DOWN THE UNIT....
Copy ICX6450 from TFTP to Flash Done
Brocade# Flash Memory Write (8192 bytes per dot)
Automatic copy to member units: 3 4 5 7 8
.
DOWNLOAD OF ICX6450 BOOT SIGNATURE Done
Brocade# Load to buffer (8192 bytes per dot)
Automatic copy to member units: 3 4 5 7 8
.....
.....PLEASE WAIT. MEMBERS SYNCING IMAGE TO FLASH. DO NOT SWITCH OVER OR POWER
DOWN THE UNIT...Write to boot flash..
ICX6450 Boot IMAGE COPY IS DONE .
```