

Brocade ICX Upgrade Procedures

This document walks you through the steps to upgrade the bootrom and the code image on Brocade ICX switches. First, you need to determine the target path for your switch model. The below link is to our target path document. It tells you the version of code we recommend you have on your switches.

<http://www.brocade.com/content/brocade/en/backend-content/pdf-page.html?/content/dam/common/documents/content-types/target-path-selection-guide/brocade-fi-target-path.pdf>

To perform these steps, you will need a TFTP server, the recommended code for your device, and command line access to the switch. I recommend TFTPd32 as a TFTP server, but any one will do.

For this example, we are using an ICX 6430 as the model and upgrading it to 8.0.10m. Directories vary, based on model switch you are upgrading.

First you need to upgrade the boot image on the switch:

** Point the TFTP root directory to \08010m\ICX64xx\Boot\

At the command line type:

```
copy tftp flash x.x.x.x kxz10101.bin bootrom
```

** x.x.x.x is the IP address of your TFTP server

** Now you need to determine if you are running switch code or router code.

At the command line type:

```
show version
```

```
SSH@Lab-6450#Show version
Copyright (c) 1996-2015 Brocade Communications Systems, Inc. All rights reserved.
UNIT 1: compiled on Nov 3 2015 at 21:43:36 labeled as ICX64S08030d
(8486536 bytes) from Primary ICX64S08030d.bin
SW: Version 08.0.30dT311
Boot-Monitor Image size = 512, Version:10.1.05T310 (u-boot-fox_98dx)
HW: Stackable ICX6450-48
=====
UNIT 1: SL 1: ICX6450-48 48-port Management Module
Serial #: BZU0417J00Y
License: BASE_SOFT_PACKAGE (LID: dbwFJGM1FFa)
P-ENGINE 0: type DEF0, rev 01
P-ENGINE 1: type DEF0, rev 01
=====
UNIT 1: SL 2: ICX6450-SFP-Plus 4port 40G Module
=====
800 MHz ARM processor ARMv5TE, 400 MHz bus
65536 KB Flash memory
512 MB DRAM
STACKID 1 system uptime is 6 day(s) 2 hour(s) 14 minute(s) 44 second(s)
The system : started=cold start
```

ICX64**S** – for switch code
ICX64**R** – for router code

Since we have switch code, we will load ICX64S08010m.bin

**Point the TFTP root directory to \08010m\ICX64xx\Images

At the command line type:

```
copy tftp flash x.x.x.x ICX64S08010m.bin primary
```

** x.x.x.x is the IP address of your TFTP server

Now reboot and verify the code:

```
show flash
```

```
show version
```