



Firmware Update Manual

for Emulex[®] Adapters

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Introduction

Compatibility

For information about any firmware release, see the readme.txt file that accompanies the firmware. Such information includes compatibility, cautions and warnings, known issues and files included in the release.

This manual does not contain the procedures themselves. It serves as a guide to the publication that contains the procedures you need.

Prerequisites

- Local boot disk.
- The intended Fibre Channel target should be big enough to hold all system files and the swap slice of the current local boot disk.

Things to Know Before You Download

- Firmware differs between adapter models. Make sure you download the appropriate firmware for your adapter.
- Before you download the files, create a directory into which you can download and unzip them.
- As a measure of protection, ensure that critical files on your local boot disk are backed up.
- Depending on the release, the firmware kit contains either a .all file or a .awc file that updates the kernel if the existing kernel is an earlier version. If the update process is interrupted (such as by a power outage) and the kernel is being updated, you may have to return the adapter to Emulex for repair.
- Firmware may be bundled with or without boot code. Boot code allows you to designate a Fibre Channel drive as the boot drive. If the adapter's devices will be used to boot the system, Emulex recommends that you use the firmware package that includes boot code, if one is provided. If you select a firmware image that includes boot code, the update procedure will load both the new firmware and boot code at the same time. After updating, refer to the boot code manual for procedures on enabling the boot code on your adapter.
- If you are currently using an Emulex driver, you can update firmware with the management application that was loaded when the driver was installed.

Update Utilities

Emulex offers a variety of utilities that you can use to update the adapter firmware. The utilities that you can use depend on your operating system and, in some cases, driver:

Operating System	HBAnyware ^a	elxcfg ^b	lputil	EFI Utility	Offline Utilities
Windows	X	X			X
Linux	X		X		X
VMware	X				
Solaris (LPFC driver)	X		X		
NetWare					X
EFI				X	

a. Use HBAnyware for CEE firmware update. Do not use the offline utilities

b. FC Port driver only

After you decide which utility to use, see the appropriate update procedure:

- HBAnyware utility: See the HBAnyware Utility User Manual
- elxcfg utility: See the FC Port Driver User Manual
- lputil utility: See the lputil Utility for Linux and Solaris User Manual
- EFI utility: See the Boot Code User Manual
- Offline utilities (doslpcfg, winlpcfg, linlpcfg): See the Offline Utilities Manual