

# Emulex LPe12000-Series HBA Firmware Release Notes

**Versions:** 2.02a1

**Date:** June 3, 2016

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## Purpose and Contact Information

These release notes describe the new features, supported boot topologies, and current known issues associated with this firmware release for Emulex® LPe12000-series host bus adapters (HBAs).

For the latest product documentation, go to [www.Broadcom.com](http://www.Broadcom.com). If you have questions or require additional information, contact an authorized Broadcom® technical support representative at [ecd-tech.support@broadcom.com](mailto:ecd-tech.support@broadcom.com), 800-854-7112 (US/Canada toll free), +1 714-885-3402 (International), or +49 8941352 0244 (Europe, Middle East, and Africa; UK business hours only 8:30 am - 5:00 pm UTC M-F).

## New Features

- Adds support for the following operating systems:
  - RHEL 6.8
- The following operating systems do not support new features in this release.
  - Windows Server 2008
  - Windows Server 2008 R2
  - RHEL 5.x

## Supported Boot Topologies

- Auto topology with loop first - default
- Auto topology with Fabric point-to-point first
- FC-AL
- Fabric point-to-point

## Resolved Issues

There are no resolved issues.

## Known Issues

### Firmware

**Delays in the DMA transfer over PCIe between Main Memory and the FTE have been observed.**

### Workaround

None.

## FC x86 BootBIOS

1. **After scanning targets, an error message stating Link is up, no targets found might be displayed.**

### Workaround

Ensure the targets are mapped prior to scanning them.

2. **x86 BootBIOS only supports Direct Connect FC\_AL loop topology and does not support Direct Connect P2P. LPe12000-series adapters that are attached to new targets that support Direct Connect P2P and not Direct Connect FC\_AL do not work.**

### Workaround

None.

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