

# Emulex<sup>®</sup> Drivers for Windows for LightPulse<sup>®</sup> Adapters

Release 12.0.193.13

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## Purpose and Contact Information

These release notes describe new features, resolved issues, known issues, and technical tips associated with this release of the Emulex<sup>®</sup> drivers for Windows for LightPulse<sup>®</sup> adapters.

For the latest product documentation, and for supported driver versions, go to [www.broadcom.com](http://www.broadcom.com). If you have questions or require additional information, contact an authorized Broadcom<sup>®</sup> Technical Support representative at [ecd-tech.support@broadcom.com](mailto:ecd-tech.support@broadcom.com).

## New Features

- Added Retpoline awareness to Windows drivers.
- Discontinued support for LPe16202 FCoE+NIC adapters.

## Resolved Issues

No issues were resolved in this release.

## Known Issues

1. The FOIT AFCT-57F3TMZ-ELX (16GFC longwave optic transceiver) does not support D\_Port (also called ClearLink) for Brocade switches and MDS Diagnostic for Cisco switches.
2. Beginning with software release 11.2, LightPulse adapters and OneConnect<sup>®</sup> adapters have independent software kits. Before updating earlier drivers and applications to the software in release 12.0.1, refer to the *Emulex Software Kit Migration User Guide* for special instructions and considerations for using the 11.2 and later software kits for LightPulse and OneConnect adapters.
3. The Windows drivers do not support authentication (the `EnableAuth=1` driver parameter) between the adapter and the switch on LPe16000-series, LPe31000-series, or LPe32000-series adapters.  
By default, the `EnableAuth` driver parameter is disabled. Enabling the parameter might result in link failures. Refer to the *Emulex OneCommand Manager Application for LightPulse Adapters User Guide* for instructions on disabling the `EnableAuth` parameter.

### Workaround

None.

- Windows driver parameters do not persist after a reboot if they are set with FA-PWWN enabled.

#### Workaround

Perform the following steps:

- Disable FA-PWWN.
  - Reset the port.
  - Change the driver parameters, using the OneCommand<sup>®</sup> Manager GUI.
  - Enable FA-PWWN.
  - Reboot the system.
  - Reconfigure the driver parameters.
  - Verify that the correct driver parameters are used.
- ExpressLane<sup>™</sup> LUN priority settings do not persist after a reboot when using FA-PWWN.

#### Workaround

None.

## Technical Tips

- It is a best practice to update the firmware and driver to the latest supported version for your server and storage platform.
- Certain inbox drivers do not support LPe31000-series and LPe32000-series adapters, as described in the following table.

**Table 1: Operating System and Support for LPe31000-Series and LPe32000-Series Adapters**

Operating System	Support for LPe31000-Series and LPe32000-Series Adapters
Windows Server 2012	No; use the out-of-box driver
Windows Server 2012 R2	No; use the out-of-box driver
Windows Server 2016	Yes

#### Workaround

Follow the guidelines in the table.

- While Emulex drivers for Windows 8, Windows 8.1, and Windows 10 are supported, they are signed by Emulex only. You must accept the Emulex certificate to install the client kits.
- On LPe12000-series adapters, if you configure the link speed in a basic input/output system (BIOS) utility, the link speed might be overridden by the Emulex driver for Windows according to its link speed setting.

#### Workaround

Configure the link speed in both the Emulex driver for Windows and the x86 BootBIOS or Unified Extensible Firmware Interface (UEFI) utility.

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