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Emulex® Drivers for Windows for LightPulse® Adapters Release Notes

Version: 11.4.142.11

Date: September 6, 2017

Purpose and Contact Information

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

For the latest product documentation, go to www.broadcom.com. If you have questions or require additional information, contact an authorized Broadcom® Technical Support representative at ecd-tech.support@broadcom.com or request assistance online at https://oemsupportportal.emulex.com/web2tech/ecd.html.

New Features

- The Windows Server 2008 and Windows Server 2008 R2 operating systems are no longer supported.
- The Window Server 2016 Nano Server operating system is no longer supported.
- This release supports setting LUN priorities for ExpressLane™ LUNs.
- This release supports buffer-to-buffer (BB) credit recovery.
- Although Cisco MDS diagnostics are documented in the *Emulex Drivers for Windows for LightPulse Adapters User Guide*, they are not supported at this time.

Resolved Issues

There are no resolved issues in this release.

Known Issues

1. **Beginning with software release 11.2, LightPulse adapters and OneConnect® adapters have independent software kits.**

   Before updating earlier drivers and applications to the software in release 11.4, 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.

2. **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

Table 1 Operating System and Support for LPe31000-Series and LPe32000-Series Adapters (Continued)

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

Workaround

Follow the guidelines in the table.

3. **While Emulex drivers for Windows 8 and Windows 8.1 are supported, they are signed by Emulex only. You must accept the Emulex certificate to install the client kits.**

   Support is provided by Broadcom but not by Microsoft.

   Workaround

   None.

4. **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 for LightPulse adapters 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.

5. **A possibility exists of multiple Transmission Control Protocol (TCP) retransmissions when Emulex adapters are part of a software bridge.**

   Workaround

   Disable **Receive Segment Coalescing (RSC)**. From the adapter's **Advanced Property** page, go to **Protocol Offloads** and set **Recv Segment Coalescing (IPv4)** and **Recv Segment Coalescing (IPv6)** to disabled.

6. **Port names might differ for adapter ports, although they are running the same driver binary.**

   This is a display issue that does not affect functionality.

   Workaround

   Run the AutoPilot Installer to correct this issue.

   For example, run: `elxdrvr-fc-11.x.xxx.xx.exe` and reinstall the driver kit. A reboot might be required after the installation to see the correct names in the **Device Manager**.

Technical Tips

1. **It is a best practice to update the firmware and driver to the latest supported version for your server and storage platform.**