

# Emulex® OneCommand® Manager Application for LightPulse® Adapters for Windows Release Notes

**Version:** 11.4.204.11

**System:** Windows Server 2016  
Windows Server 2012 and Windows Server 2012 R2 (x64 versions, Enterprise, and Server Core installation)  
Windows 10  
Windows 8-x64 (Base version, Pro, and Enterprise)

**Date:** November 10, 2017

---

## Purpose and Contact Information

These release notes describe the new features, resolved issues, known issues, and technical tips associated with this OneCommand® Manager application version for the Emulex® drivers for Windows release.

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).

## New Features

### Version 11.4.204.11

- Adds CLI commands that support Nonvolatile Memory Express (NVMe) over FC. Refer to the *Emulex NVMe over Fibre Channel User Guide* and the *Emulex NVMe over Fibre Channel for Windows Release Notes* for more information.
- Adds support for cable link diagnostics (also known as D\_Port) for Cisco servers

**Note:** Cable link diagnostics support requires firmware version 11.4.204.20 or later.

### Version 11.4.142.17

- The Windows Server 2008 and Windows Server 2008 R2 operating systems are no longer supported.
- The Windows Server 2016 Nano Server operating system is no longer supported.
- This release supports setting logical unit number (LUN) priorities for ExpressLane™ LUNs on LPe16000-series, LPe31000-series, LPe32000-series, and LPe16202 adapters.
- This release supports the Fabric Assigned World Wide Port Name (FA-WWPN) on Brocade FC switches.
- Web Launch functionality was removed in this release.

## Resolved Issues

### Version 11.4.204.11

There are no resolved issues in this release.

### Version 11.4.142.17

There are no resolved issues for 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. **A reboot is required if you change the volatile WWN on an LPe16000-series adapter.**

#### Workaround

None.

3. **OneCommand Manager CLI commands might fail in Windows PowerShell.**

OneCommand Manager CLI commands with parameters that contain embedded commas fail execution in Windows PowerShell. Examples of parameters that contain embedded commas are `SetAdapterPortConfig`, `CMSetBW`, and `SetDCBPriority`.

#### Workaround

Enclose embedded commas in quotation marks.

For example, the following command:

```
.\HbaCmd.exe cmsetbw 00-90-FA-30-39-06 25,100 25,100 25,100 25,100
```

must be formatted as follows to successfully execute in Windows PowerShell:

```
.\HbaCmd.exe cmsetbw 00-90-FA-30-39-06 "25,100" "25,100" "25,100" "25,100"
```

4. **If a switch-connected port speed is configured to Auto-negotiate and the adapter port speed is also configured to Auto-negotiate (the default), the OneCommand Manager application GUI shows 8 Gb/s as the port speed on the Port Information tab. If the speed of the adapter is changed without the OneCommand Manager application GUI, the port speed does not change on the Port Information tab.**

#### Workaround

When possible, use the OneCommand Manager application GUI to change the port speed of the adapter.

5. **When you install the OneCommand Manager application on a guest operating system, the installer prompts for management mode.**

When installing the OneCommand Manager application on a guest operating system running on a virtual machine, the installer prompts for a management mode (for example, local-only, full-management, read-only, and so on.). However, when the OneCommand

Manager application runs on a guest operating system, it runs in local-only and read-only modes, so it does not matter how these modes are specified during installation.

#### **Workaround**

None.

6. **Boot from a storage area network (SAN) is not available using the Common Information Model (CIM) interface with the OneCommand Manager application GUI or CLI.**

#### **Workaround**

None.

7. **When you manage a host using the CIM interface and you initiate a batch download process, all the adapters of the CIM-managed host are displayed because the required validation logic is not available in the CIM Provider.**

#### **Workaround**

Manually deselect the adapters you do not want included in the batch download before starting the download. If you start the download without deselecting the non-matching adapters, the firmware download is initiated and results in an error for non-matching adapters.

8. **When you start the OneCommand Manager application on a Windows Server 2012 R2 system, the popup message `Publisher is unknown` is displayed.**

This message indicates that the publisher is unknown, and you are prompted to allow the program to make changes to the computer.

#### **Workaround**

Do one of the following:

- Click **Yes** on the popup message to run the OneCommand Manager application.
  - Disable the popup by setting the User Account Control settings to **Never Notify**.
  - Disable the popup by performing the following steps:
    - a) Select **Start > Run**, type `secpol.msc`, and click **OK**.
    - b) Double-click **Local Policies**.
    - c) Double-click **Security Options**.
    - d) Double-click **User Account Control: Behavior of the elevation prompt for administrators in Admin Approval Mode**.
    - e) Select **Elevate without prompting**.
    - f) Click **OK**.
9. **Set link speed issue after small form-factor pluggable (SFP) hot swap.**

The LPe16000-series adapter does not support SFP hot swap if the replacement SFP is not the same model as the original SFP.
  10. **Two issues that might occur with the OneCommand Manager application:**
    - The **Port Attributes** tab in OneCommand Manager application or the OneCommand Manager CLI `PortAttributes` command might display incorrect data for the Supported Link Speeds attribute. This issue is cosmetic.
    - Boot from SAN management might be unable to set the **Boot Code Link Speed** parameter to 16 Gb/s.

**Workaround**

After changing the SFP, reset the LPe16000 port or reboot the server.

- 11. If an adapter is disabled when attempting to save DCB settings, the DCB settings are not saved.**

**Workaround**

Ensure that the adapters are enabled.

- 12. When using an LPe16202 adapter on Windows Server 2012, after configuring persistent binding and rebooting the system, port 2 might go down.**

**Workaround**

None.

- 13. On occasion, the peripheral component interconnect (PCI) registers might show all zeros when the PCI Registers tab is first opened immediately after a reboot.**

**Workaround**

Click a different tab, and then click back on the **PCI Registers** tab to refresh the screen.

- 14. When using an Internet Explorer 11 browser, navigating to the Index or Search pages in the online help results in those pages being blank.**

**Workaround**

Click **Contents** and refresh the browser, or load the help uniform resource locator (URL) in a different browser.

- 15. If you are using the OneCommand Manager application to update firmware from a previous version to version 11.x, you must first update the OneCommand Manager application to the same version as the firmware that you are updating.**

- 16. LUNs are not displayed when the target connection is refreshed after port flap.**

**Workaround**

Restart the OneCommand Manager application.

- 17. The OneInstall kit upgrade fails if the One Command Manager application is open and running.**

**Workaround**

Close the One Command Manager application before starting the upgrade.

- 18. If the CLI (HBACMD) is used to perform a firmware download to a local adapter, and the OneCommand Manager GUI is up and running while that firmware download is taking place, the OneCommand Manager GUI might experience problems displaying information on various display tabs after the download completes. The value displayed for most of the fields on the affected tabs or dialogs will be N/A.**

**Workaround**

Do one of the following:

- When a firmware download has been performed by using HBACMD, if N/A is shown for most of the OneCommand Manager GUI display fields, exit the GUI, and then restart it. The fields are displayed correctly after doing this action.

- Ensure that the OneCommand Manager GUI is stopped or is not running prior to performing a firmware download using HBACMD.
- Perform the firmware download using the OneCommand Manager GUI instead of HBACMD.

**19. The OneCommand Manager application does not display updated driver parameters after a batch update.**

**Workaround**

None.

**20. On an ESXi host, when Fabric Assigned Word Wide Port Name (FA-WWPN) is enabled or disabled and an adapter port is reset using the esxcli elxmgmt plugin, operations performed on the adapter using the OneCommand Manager application might not work as expected.**

**Workaround**

Restart the Small-Footprint CIM Broker (SFCB) on the ESXi host, and refresh the OneCommand Manager application to discover the adapter ports with the new WWPN.

**21. An error occurs when setting the `vmid-inactivity-timeout` parameter globally using the OneCommand Manager CLI (HBACMD).**

**Workaround**

Set the parameters locally using the L and P flags as in the following example:

```
C:\Program Files\Emulex\Util\OCManager>hbacmd h=10.192.203.56 m=cim  
setdriverparam 10:00:00:90:fa:4b:22:da L P vmid-inactivity-timeout 8
```

**22. LPe31000-series and LPe32000-series adapters might experience a link-down condition after running a D\_Port test when they are connected to Brocade switches running Fabric OS (FOS) versions prior to v8.1.0b.**

**Workaround**

Manually reset the switch port using the `portdporttest --exit` command.

**23. Enabling and disabling FA-PWWN may cause an adapter port's WWPN to change. The OneCommand Manager application discovery-tree might not display the port's newly assigned WWPN.**

**Workaround**

Stop and restart the OneCommand Manager application services and daemons when prompted by the OneCommand Manager application.

**24. Enabling the Cisco MDS driver parameter when connected to a Brocade switch is not supported.**

**Workaround**

Disable the MDS driver parameter when not connected to a Cisco Switch.

**25. Enabling and disabling FA-WWPN may cause an adapter port's WWPN to change. The OneCommand Manager application discovery-tree might not display the port's newly assigned WWPN.**

### Workaround

Stop and restart the OneCommand Manager application services and daemons when prompted by the OneCommand Manager application.

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

### Workaround

- a) Disable FA-WWPN, reset the port, and change the driver parameter, or parameters, using the OneCommand Manager GUI.
- b) Enable FA-WWPN and reboot the system.
- c) Verify that the correct driver parameters are used.

27. **Disabling ExpressLane on all LUNs attached to a vport discovered using the CIM interface fails.**

### Workaround

Disable ExpressLane on individual LUNs attached to the vport.

## Technical Tips

1. **The OneCommand Manager application Firmware tab is at different locations for 8 Gb and lower Fibre Channel adapters than for 16 gigabit Fibre Channel (GFC) and 10 GFC adapters.**

Because the 16 GFC and 10 GFC adapters share a single firmware image for all ports on the adapter, the **Firmware** tab for 16 GFC and 10 GFC adapters is at the adapter level. Because 8 GFC and lower adapters have a separate firmware image for each individual port, the **Firmware** tab for 8 GFC and lower adapters is at the port level.

2. **The OneCommand Manager application no longer installs OneCommand Vision components.**
3. **Start a command shell with the Run As Administrator option for OneCommand Manager CLI commands and batch files, if you are running one of these operating systems with User Account Control (UAC) enabled:**
- Windows Server 2016
  - Windows Server 2012
  - Windows Server 2012 R2
  - Windows 8
  - Windows 8.1

If you do not start the command shell with the **Run as Administrator** option, Windows shows a dialog that prompts you to allow UAC. After you agree to allow UAC, the output from a command is displayed in a separate window, but disappears immediately.

4. **Roles-based Secure Management mode is available.**

Secure Management mode is a management mode available with this release. It is a roles-based security implementation. During the OneCommand Manager application installation, you are asked if you want to run in Secure Management mode. When the OneCommand Manager application is installed in this mode, the following operational changes occur:



- A non-root or non-administrator user can run the OneCommand Manager application.
- The OneCommand Manager application host uses a user's credentials for authentication.
- A user has OneCommand Manager application configuration privileges according to the OneCommand Manager application group to which the user is assigned.
- In Secure Management mode, a root or administrator user is provided full privileges on the local machine (OneCommand Manager CLI does not require credentials) but no remote privileges.

**Note:** Refer to the *OneCommand Manager Application User Manual* for more information on Secure Management mode.

**5. OneCommand Manager Secure Management mode requires OneCommand Manager user groups to be configured on the domain or, if the host is not running in a domain, on the host machine.**

OneCommand Manager Secure Management must be able to get the OneCommand Manager application group to which the user belongs from the host's domain (Active Directory or Lightweight Directory Access Protocol [LDAP]), or if the host is not part of a domain, the host's local user accounts. This access is associated with the user groups, not with specific users. An administrator must create these user groups and then set up user accounts such that a user belongs to one of the four OneCommand Manager application user groups listed in [Table 1](#). These four OneCommand Manager application groups must be created and configured on the host machine or domain.

**Table 1** Secure Management User Privileges

User Group	OneCommand Manager Capability
ocmadmin	Allows full active management of local and remote adapters.
ocmlocaladmin	Permits full active management of local adapters only.
ocmuser	Permits read-only access of local and remote adapters.
ocmlocaluser	Permits read-only access of local adapters.

**6. To view online help using the Google Chrome browser, you must disable Chrome's security check using the `--allow-file-access-from-files` option.**

- a) Create a copy of the Chrome shortcut on the desktop, and rename it to RH Chrome Local (or something similar).
- b) Right-click the new **Chrome** icon and choose **Properties**.
- c) Add the `--allow-file-access-from-files` text to the end of the path appearing in Target. You must leave a space between the original string and the tag you are adding to the end.
- d) Click **OK** to save your settings.
- e) Close any open instances of Chrome.
- f) To open a local copy of the online help, use the new shortcut to open Chrome, and then press **Ctrl + Open** and browse to the start page; or open Chrome with the new shortcut; and then right-click the start page and click **Open With > Google Chrome**.

**7. The 32-bit/64-bit `libcurl` file is required and must be copied to the Windows system when downloading firmware using `http/https` services with the WMI CIM Studio tool.**

8. To manage a remote ESXi 6.5 host using the OneCommand Manager application, the configuration parameter `enableSSLv3` must be set to `true` in the Small Footprint CIM Broker (SFCDB) configuration file (`/etc/sfcb/sfcb.cfg`). By default, this parameter is not present in the configuration.

To add or update the `enableSSLv3` parameter, perform these steps:

- a) Stop the `sfcb-watchdog`. Type:  

```
etc/init.d/sfcbd-watchdog stop
```
- b) Add or update the following line in `/etc/sfcb/sfcb.cfg`.  

```
enableSSLv3:      true
```
- c) Start the `sfcb-watchdog`. Type:  

```
etc/init.d/sfcbd-watchdog start
```

For product information and a complete list of distributors, please go to our web site: [www.broadcom.com](http://www.broadcom.com). Broadcom, the pulse logo, Connecting everything, Avago, Avago Technologies, the A logo, Emulex, ExpressLane, LightPulse, OneCommand, and OneConnect are among the trademarks of Broadcom in the United States, certain other countries and/or the EU. Copyright © 2015–2017 Broadcom. All Rights Reserved. The term “Broadcom” refers to Broadcom Limited and/or its subsidiaries. For more information, please visit [www.broadcom.com](http://www.broadcom.com). Broadcom reserves the right to make changes without further notice to any products or data herein to improve reliability, function, or design. Information furnished by Broadcom is believed to be accurate and reliable. However, Broadcom does not assume any liability arising out of the application or use of this information, nor the application or use of any product or circuit described herein, neither does it convey any license under its patent rights nor the rights of others.