

Emulex OneCommand Manager for VMware vCenter Release Notes

Version: 10.6.124.0

Date: July 2015

Purpose and Contact Information

These release notes describe resolved the new features, resolved issues, known issues, and technical tips associated with this Emulex OneCommand[®] Manager for VMware vCenter release. For the latest product documentation, go to www.Emulex.com. If you have questions or require additional information, contact an authorized Emulex[®] technical support representative at tech.support-elx@avagotech.com, 800-854-7112 (US/Canada toll free), +1 714-885-3402 (US/International), or +44 1189-772929 (Europe, Middle East, and Africa).

New Features

1. Supports OCe14000B-series adapters.
2. Supports link reconfiguration.
3. Discontinued support for the LPe11000-series and OCe10100-series adapters.
4. Supports high temperature detection on OCe14000-series adapters.
5. Windows Server 2008 and Windows Server 2008 R2 do not support the new features in this release.

Resolved Issues

6. You can enable or disable single root I/O virtualization (SR-IOV) when an OCe14000-series adapter is using an Internet Small Computer System Interface (iSCSI) personality.
7. Service Level Interface (SLI)-1 firmware is no longer supported. The Maintenance tab no longer shows the SLI-1 Name field.

Known Issues

1. Known issues regarding updating firmware:
 - a) On OCe14000-series adapters, firmware version 10.6.x includes new features that required new flash regions to support them. Firmware versions earlier than 10.0.803.37 did not have the ability to configure the flash regions to support these new features.

If you are updating from a firmware version earlier than 10.0.803.37, use one of these methods to update the firmware to 10.6.124.0:

 - Use the ISO flash tool.

- Use the released 10.6.124.0 version of OneCommand for VMware vCenter. You must perform the firmware update procedure twice to ensure that the flash regions are properly configured, and you must reboot the system after each firmware update.

Note: After you have updated the firmware, you must not downgrade the firmware to a version earlier than 10.0.803.37.

If you are updating from firmware version 10.0.803.37 or later, use one of these methods to update the firmware to 10.6.124.0:

- Use the ISO flash tool.
- Use the released 10.6.124.0 version of OneCommand for VMware vCenter, and reboot the system after the firmware update. (It is not necessary to perform the firmware update process twice.)

Note: After you have updated the firmware, you must not downgrade the firmware to a version earlier than 10.0.803.37.

- b) If iSCSI boot firmware table (iBFT) boot is non-functional, and version 10.2.370.19 or later firmware is installed, you must update the firmware to version 10.2.370.19 using the ISO flash image or using a version 10.2 management application or firmware update utility. You must reboot the system after the firmware update.

If you updated the firmware from a version earlier than 10.0.803.37, you must perform the update process twice using a version 10.2 management application or firmware update utility. You must reboot the system after each firmware update.

2. The OneCommand Manager application online help may not work correctly when using Internet Explorer 11.

Workaround

Use an earlier version of Internet Explorer or use a different browser.

3. On OCe14000B adapters, SR-IOV changes are not reflected after a reboot.

Workaround

Refer to the most recent *Emulex Drivers for VMware ESXi User Manual* (available on the Emulex website) for instructions on enabling SR-IOV.

4. The ExpressLane features are not available on logical unit numbers (LUNs) that are attached to LPe16000-series adapters.

Workaround

None.

5. Updating firmware from version 10.2 to version 10.6.124.0 may fail if the OneCommand Manager for VMware vCenter version 10.2 or Elxflash version 10.2 applications are used to update the firmware.

Workaround

Update the OneCommand Manager VMware vCenter or the Elxflash version to 10.6 before updating the firmware.

6. **A complete memory dump will not finish in a boot from SAN configuration using iBFT with Internet Protocol version 6 (IPV6).**

Workaround

Do not specify complete dumps when using iBFT with IPV6. Choose Automatic or Kernel memory dump.

7. **On only OCe14000-series adapters, when UMC is enabled and the maximum bandwidth is set using the PXESelect utility, iSCSISelect utility, or the OneCommand Manager application, the I/O does not actually adhere to the set value.**

Workaround:

None

8. **On OCe14000-series adapters using alternative routing-ID interpretation (ARI), if the number of functions are seven or greater, function numbers may incorrectly be displayed in the OneCommand Manager for VMware vCenter and the OneCommand Manager for VMware vCenter command line interface (CLI).**

The FC Port Details tab, the Port Information tab (for NIC), or the iSCSI Port Info tab may have an incorrect function number in the PCI Function field. The `elxvcpcmd.exe getpcidata` command may return an incorrect Peripheral Component Interconnect (PCI) function number.

Workaround

None.

9. **You cannot enable or disable boot code on an LPe16000-series Fibre Channel over Ethernet (FCoE) adapter. Workaround**

Use the BIOS utility to enable or disable boot code.

10. **If Expresslane LUNs exist whose targets are no longer discovered, you may see inconsistent behavior while configuring Expresslane for any newly discovered LUNs.**

Workaround

On the VMware host run the following command:

```
esxcfg-module -s "" lpfc
```

and restart the cimserver with following commands:

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

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

11. **On the Channel Management tab, OneCommand Manager for VMware vCenter always shows the permanent MAC address, instead of the current Media Access Control (MAC) address for each channel.**

Workaround

To correlate the permanent MAC address with the current MAC address, view the Port Information tab. The Port Information tab always shows the current (user-settable) MAC address and the permanent MAC address.

12. In Windows 7, Windows 8, and Windows Server 2012, using OneCommand Manager for VMware vCenter CLI audit commands show irrelevant error messages.

For Windows 7, Windows 8, and Windows Server 2012, the C: disk is highly protected; even an administrator has limited privileges. For example, the contents in the “C:\Program Files\” directory have no write privileges or full control privileges.

Workaround

Do one of the following:

- Assign your account write privileges and full control privileges to the “C:\Program Files\” directory.
- Install OneCommand Manager for VMware vCenter on another disk, such as D.

13. For the iSCSI personality, the Target Portal tab is not available.

Workaround

Use the OneCommand Manager for VMware vCenter client to login to iSCSI targets.

14. For the NIC personality, IP attributes are not available.

Workaround

None.

15. Performing a dump command may fail if the World Wide Port Name (WWPN) is specified.

When performing a dump operation in the command line interface, using the “core” option and specifying an FC WWPN to indicate which adapter to dump, the command fails if the adapter is in a “down” state.

Workaround

When specifying parameters for the dump command, always use the MAC address for one of the NIC ports on the adapter.

16. One or more hosts may not be discovered in the cluster level view.

Workaround

Ensure that the following conditions are met:

- “CIM.Interaction” privilege is assigned to either the user or the user group.
- No host in the cluster is in a “Not responding” state as shown in the VMware inventory tree.

If unresponsive hosts are present, corrective action should be taken to bring them back to a stable state, or you must remove the unresponsive host from the inventory before starting any operations in OneCommand Manager for VMware vCenter while in the cluster view.

17. Firmware update fails with MAL error when using on ESXi 5.1 inbox drivers.

Workaround

Upgrade to the latest certified NIC driver.

18. Link Up and Link Down events are not logged in Tasks/Events tab in OneCommand Manager for VMware vCenter.

Workaround

Close the existing vSphere session window and reopen a new session. The Link Up and Link Down events are updated.

19. The OneCommand Manager for VMware vCenter does not load in the VMware web client when IE 10 or later browsers are used.

The *OneCommand Manager for VMware vCenter User Manual's* Troubleshooting section includes procedures to accept blocked content as a temporary remedy for certificate or insecure-content warnings for Internet Explorer, Chrome and Firefox. The Internet Explorer procedure in the user manual is correct for IE9 or earlier browser versions. To accept blocked content for IE10 and later browser versions, use the same procedure for Chrome and Firefox.

- a) Load the plug-in URL in a separate tab or window. The plug-in URL format is:

```
https://<plugin-server>:<https-port>/elxvcplugin
```

For example:

```
https://pluginserverhostFQDN:443/elxvcplugin
```

Note: You can extract the plug-in server, IP address, host name, and port number from the browser warning message.

- b) Confirm or accept the certificate warning.
- c) Refresh the vSphere web client tab or window.

Technical Tips

1. For vCenter 6.0, you do not need to edit the `webclient.properties` file to activate the OneCommand Manager for VMware vCenter in the Web Client 5.5 or enable OneCommand Manager for VMware vCenter for VMware vCenter Server Virtual Appliance (vCSA) 5.5.
2. For OneConnect adapters, the OneCommand Manager for VMware vCenter supports a maximum of 16 application-specific integrated circuits (ASIC)s. Most OneConnect adapters have a single ASIC, therefore a maximum of 16 adapters can be seen and managed in the OneCommand Manager for VMware vCenter. There are some adapter models that have two ASICs. In this case (where all adapters have two ASICs), a maximum of eight adapters can be seen and managed in the OneCommand Manager for VMware vCenter.
3. The Emulex VMware driver, Firmware, and CIM Provider must be from the same release as that of the OneCommand Manager for VMware vCenter, for the OneCommand Manager for VMware vCenter to function properly.

If the ESXi image, driver, or firmware is downloaded from the VMware website, use the corresponding CIM Provider and OneCommand Manager for VMware vCenter from the Emulex website. Also ensure that downloaded drivers, firmware, CIM Provider, and OneCommand Manager for VMware vCenter are all from either Emulex-branded pages or from the same OEM-specific download pages.

4. The response time for OCM for VMware vCenter may be slow.

To achieve the best performance, Emulex recommends that the system(s) hosting the OneCommand Manager for VMware vCenter be on the same network as the vCenter server with a minimal number of network hops.

5. **For OneCommand Manager for VMware vCenter to support IPv6, the IPv6 protocol must be installed. To enable the IPv6 protocol in a Windows Server machine:**
 - a) From the desktop, click **Start>Control Panel**.
 - b) Double-click **Network Connections**. The Network Connections window is displayed.
 - c) Right-click any local area connection, then select **Properties**. The Local Area Connection Properties window is displayed.
 - d) Click **Install**. The Select Network Components window is displayed.
 - e) In the Network Protocol list, select **Protocol** and click **Add**.
 - f) Select Microsoft TCP/IP version 6 and click **OK**.

6. **Registering the OneCommand Manager for VMware vCenter with the vCenter server fails with the error "User has no privileges".**

The user is not listed in the Datacenter. Follow these steps to ensure the user has the required privileges:

- a) In the vSphere console, select any parent node of the host or cluster in the inventory tree and click the **Permissions** tab.
 - b) Right click and select **Add Permission**.
 - c) From the **Assigned Role** list in the right pane, select a role with the required privileges.
Refer to the *OneCommand Manager Application User Manual* for the list of privileges required. Refer to the *OneCommand Manager for VMware vCenter Manual* for more information on role management.
 - d) From the Users and Groups section on the left, click **Add**. The Assign Permissions window is displayed.
 - e) On the Assign Permissions window, select the user or the group to which the user belongs and click **Add**.
 - f) Click **OK** to exit the Assign Permissions window.
 - g) Register OneCommand Manager for VMware vCenter.
7. **If the Emulex OneCommand tab in the vSphere console shows "Loading..." or is blank:**
 - a) Right-click and check whether the message "Movie not loaded" is present in the context menu.
 - b) If the message is present and you are using an IE browser, click **Tools>Internet Options**.
 - c) Click the **Advanced** tab.
 - d) From the Security list, clear the **Do not save encrypted pages to disk** checkbox.
 - e) Restart the vSphere Console.
8. **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 on the new Chrome icon and select **Properties**.
 - c) Add the text "--allow-file-access-from-files" to the end of the path appearing in Target. You must leave a space between the original string and the tag you are adding.

- 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, press **<Ctrl + Open>**, and browse to the start page. Alternatively, open Chrome with the new shortcut, right-click the start page and click **Open With > Google Chrome**.

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