

OneCommand Manager™ for VMware vCenter Release Notes

Version: 1.1.0

Date: September 2011

Purpose and Contact Information

These release notes describe the new features, resolved known issues and current known issues associated with this OneCommand Manager for VMware vCenter (OCM 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@emulex.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. The ability to centrally manage and discover Emulex LightPulse™ host bus adapters (HBAs) and universal converged network adapters (UCNAs) across multiple protocols from the Emulex OneCommand™ tab in the VMware vCenter console.**
Discover and manage Emulex Fibre Channel (FC), Fibre Channel over Ethernet (FCoE), iSCSI and network interface card (NIC) ports in host or fabric-centric views for a cluster.
- 2. OCM for VMware vCenter is supported for Windows 7 (64-bit).**
- 3. OCM for VMware vCenter is supported for discovery of ESXi 5.0 hosts available in the VMware vCenter.**
- 4. OCM for VMware vCenter is supported for CIM Provider 1.4.**
- 5. Supports diagnostic dumps for the OneConnect™ OCe10102-x UCNAs and OneConnect OCe11102-x UCNAs.**
- 6. OCM for VMware vCenter is supported for IPv6.**
ESX hosts with IPv6 configured can now be discovered by OCM for VMware vCenter in the vSphere console.
- 7. OCM for VMware vCenter is supported for vNIC management.**
- 8. Dynamically download and update adapter firmware and boot code (x86 BootBIOS) per fabric.**
- 9. New iSCSI functionality includes the following features:**
 - iSCSI port discovery is performed in the host and cluster views.
 - Firmware update using OCM for VMware vCenter or the command line interface.
 - Discover and view iSCSI port information, PCI registers, vital product data (VPD) and iSNS server configuration.

- Discover and view iSCSI port, initiator, target and LUN information at the host level.
- Discover and view iSCSI initiator statistics and login options.
- Discover and view iSCSI target sessions.

10. Update firmware and FC boot code per fabric.

You can now update firmware and FC boot code per fabric in addition to being able to update firmware and FC boot code on a single adapter or multiple adapters using batch update.

11. Perform command line interface firmware updates.

This command is supported at the cluster, port and host level.

12. Run diagnostic tests on Emulex HBA and UCNA adapters.

You can now create diagnostic dumps for FC ports, as well as run diagnostic tests on adapters. For OneConnect OCe111XXseries UCNAs only, you can run Time Domain Reflectometry (TDR) tests.

13. For the OCM for VMware vCenter version 1.1.0 release, `elxvpcmd.bat` is renamed `elxvpcmd.exe` and `elxvcpaudit.bat` is renamed `elxvcpaudit.exe`.

The syntax remains the same for both commands as in OCM for VMware vCenter version 1.0.0. If you have included these commands in your scripts, you must change the command names accordingly.

Resolved Issues

1. `elxvcpaudit.exe` (previously `elxvcpaudit.bat`) did not show details for the firmware update audit command. This issue has been resolved.
2. Executing `elxvcpaudit.bat` before registering OCM for VMware vCenter with the vCenter Server returned an invalid command message. This issue has been resolved.

Known Issues

1. OCM for VMware vCenter fails to discover Emulex adapters on ESXi 4.1 servers, if other third party CIM providers are installed on the server.

The Emulex CIM provider must be installed before installing any other third party CIM providers.

Workaround:

- 1) Check the status of SFCB with the `"/etc/init.d/sfcbd-watchdog status"` command. If the SFCB process is getting killed, follow these steps:
 - a) Uninstall all CIM providers installed on the ESXi server.
 - b) Install the Emulex CIM provider package.
 - c) Install any other third party CIM providers.
 - d) Reboot the ESXi server.
- 2) Check the status of SFCB again to ensure it is running properly using the `"/etc/init.d/sfcbd-watchdog status"` command.
- 3) In the Emulex OneCommand tab of the vSphere console, click **Refresh**. Emulex adapters and ports should be discovered now.

2. **OCM for VMware vCenter's response time may be slow.**

Workaround

All the ESX servers managed by the vCenter server, the systems hosting the OneCommand Manager for VMware vCenter server and OneCommand Manager for VMware vCenter must be in the same network with the least number of network hops as possible.

3. **If the DOS Ghost Cloning application is used to clone an operating system installation, the utility hangs during the cloning process.**

Workaround

Use another cloning application to clone the operating system installation.

4. **In Windows 7, executing the OCM for VMware vCenter CLI audit commands shows irrelevant error messages.**

For Windows 7, the C disk is highly protected (even an administrator has limited privileges). For example, contents in directory "C:\Program Files\" have no write and full control privileges.

Workaround

Do one of the following:

- Assign your account full control and write privileges to "C:\Program Files\".
- Install OCM for VMware vCenter another disk, for example, D

5. **Reinstalling the OCM for VMware vCenter on the same host with a different HTTPs/HTTP port from an earlier installation configuration may cause the application to "not load" in the vSphere console.**

Workaround

- a) Launch the Registration utility present on the desktop and unregister the OCM for VMware vCenter with the vCenter server.
- b) Re-register the OCM for VMware vCenter with the vCenter server.

6. **In the Port Information tab of a NIC port, the Link status field always shows N/A.**

Workaround

No workaround at this time. A future release will address this item.

7. **OCM for VMware vCenter is not compatible with an OneConnect OCe11102 A1 adapter installed with CIM 1.2 Providers.**

Workaround

None.

8. **For iSCSI drivers, target portals are not available.**

Workaround

None.

9. **For NIC drivers, IP attributes are not available.**

Workaround

None.

10. A physical loopback diagnostic test fails if no transceiver is present on a OneConnect OCe10102 adapter port.

If you run the PHY loopback diagnostic test on a OneConnect OCe10102 adapter port without a transceiver, the test will fail.

Workaround

Insert a transceiver into the port before you run the PHY loopback diagnostic test.

Technical Tips

1. For OCM for VMware vCenter to support IPv6, the IPv6 protocol must be installed. To enable the IPv6 protocol in a Windows Server machine:

- a) On 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**, then click **Add**.
- f) Select Microsoft TCP/IP version 6, then click **OK**.