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OneCommand Manager for VMware vCenter Release Notes

Version: 10.2.348.20

Date: November 2014

Purpose and Contact Information

These release notes describe recommended new features, resolved known issues, current known issues, and technical tips associated with this 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@emulex.com, 800-854-7112 (US/Canada toll free), +1 714-885-3402 (US/International), or +44 1189-772929 (Europe, Middle East, and Africa).

Recommended Driver Versions

See the Emulex website for supported driver versions for the following drivers:

- VMware ESXi 5.0/5.1 NIC, FC/FCoE, and iSCSI
- VMware ESXi 5.5 NIC, FC/FCoE, and iSCSI
- CIM Provider-ESXi 5.0/5.1
- CIM Provider-ESXi 5.5

New Feature

- Adds support for the Intel Xeon E5-2600 V3 processor family

Resolved Issues

- There are no resolved issues.

Known Issues

1. **Known Issues in regards to updating firmware.**

   The following notes apply to updating firmware on OCe14000-series adapters for this release:

   - Once an adapter has been flashed to firmware version 10.2.261.36 or later, do not attempt to flash down to an older version without first contacting Lenovo support. Lenovo support will provide a special required downgrade flash procedure. If this procedure is not followed, there is risk in making the adapter permanently unusable.

   - If the adapter in use is currently running firmware 10.0.803.2202 or earlier and iBFT functionality is required, special steps must be followed when upgrading to this release. The recommended flash method is to use the Emulex OneConnect Offline Flash ISO, which will allow flashing in a single step.

- To upgrade and enable iBFT functionality with online tools, the most recent version of NIC driver, OneCommand Manager application, and Emulex CIM Provider must first be installed. Additionally, the firmware must be flashed twice with a reboot after each flash.

2. **Changing the port configuration from NIC-only to NIC+storage fails on OCe141xx-series adapters on ESXi 5.0.**

   Workaround

   Change the port configuration using the PXE Boot or UEFI utility.

3. **The** *OneCommand Manager for VMware vCenter User Manual* **includes information about concurrent mode or concurrent storage. This feature is not supported in this release.**

4. **On Lenovo systems that are UEFI 2.1 compliant, changes to any settings configured using the Emulex OneCommand Manager for VMware vCenter on LPe12000-series adapters, OCe11102 adapters, OCe14000-series adapters, and LPe16000-series adapters may not be persistent across reboots.**

   This is a Unified Configuration Management (UCM) issue that results in the system resetting twice every time changes are made in the OneCommand Manager for VMware vCenter.

   Workaround

   Changes to configuration settings must be performed using the UEFI configuration utilities or the Levono ASU or Config Patterns tools.

5. **For LPe16000-series adapters, the OneCommand Manager CLI "firmwareupdate" command does not work when [all] is specified.**

   Workaround

   To update firmware, do one of the following:

   Use the OneCommand Manager application GUI.

   Individually specify the port WWN when using the OneCommand Manager CLI "firmware update" command.

6. **On the Channel Management tab, the OneCommand Manager application always shows the permanent 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.

7. **If there are ExpressLane targets that are no longer discovered, you may see inconsistent behavior if you configure ExpressLane to discover new LUNs.**

   Workaround

   a) On the VMware host, run the following command:

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

   b) Restart the CIM server with the following command:

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

8. **Fibre Channel adapters on an ESXi 5.5 platform require more time to run external loopback diagnostic tests than the same tests ran on an ESXi 5.1 platform**

Workaround

None.

9. **In Windows 7, using the OneCommand Manager for VMware vCenter command line interface (CLI) audit commands shows irrelevant error messages.**

For Windows 7, 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.

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

Workaround

Use the vCenter client to login to iSCSI targets.

11. **For the NIC personality, IP attributes are not available.**

Workaround

None.

12. **Performing a dump command may fail if the WWPN is specified.**

When performing a dump operation in the command line interface, using the "core" option and specifying an FC world-wide port name (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.

13. **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.

Technical Tips

1. **The response time for OneCommand Manager for VMware vCenter may be slow.**

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

2. **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.

3. **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**.

4. **Registering the OneCommand Manager for VMware vCenter with the vCenter server may fail with the error "User has no privileges".**

   If this error is encountered, 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 for VMware vCenter User Manual* for the list of privileges required. Refer to the *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 the plug-in.

5. **If the OneCommand Manager for VMware vCenter tab in the vSphere console shows "Loading…" or is blank, do the following:**

    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.

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 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**.

7. **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.