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OneCommand Manager for VMware vCenter Release Notes

Version: 10.2.348.20

Date: September 2014

Purpose and Contact Information

These release notes describe resolved known issues and current known issues 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).

New Features

- Supports up to four functions per port on 4-port OCe14000-series adapters (when Alternate routing ID interpretation [ARI] is available).
- Supports ExpressLane (also known as FOF priority queueing)
- Supports iSCSI Boot firmware table (iBFT)
- Supports Diagnostic port (D_Port, also known as ClearLink) for LPe16000-series adapters
- Supports Quality of Service (QoS) on LPe16000-series and OCe15000-series adapters
- Supports concurrent storage (iSCSI and Fibre Channel over Ethernet [FCoE]) on an OCe14000-series adapter port

Resolved Issues

1. **Update firmware succeeds for an LPe11002-E adapter with the file zf282a4.all.**

Known Issues

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

   1. **Firmware version 10.2.370.19 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 10.2.370.19:

      - Use the ISO flash tool.
      - Use the released 10.2 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 10.2.370.19:

- Use the ISO flash tool.
- Use the released 10.2 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.

2. **If 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. **Enabling or disabling boot on LPe16000-series adapters may show an error message.**

When enabling or disabling boot from the OneCommand Manager application GUI or CLI, an error message may be displayed.

Workaround

The error message can be ignored. The boot state is changed even though the error message is displayed

3. **For LPe16000-series adapters, the OneCommand Manager for VMware vCenter CLI firmwareupdate command does not work when [all] is specified.**

Workaround

To update firmware, do one of the following:

- Use OneCommand Manager for VMware vCenter.
- Individually specify the port WWN when using the OneCommand Manager for VMware vCenter CLI firmwareupdate command.

4. **PFC (priority-based flow control), active priority information is incorrect.**

OneCommand Manager for VMware vCenter shows incorrect information in the PFC Properties area on the DCB tab. If the PFC Properties state is disabled, the Active Priority field shows a value. It should show "N/A".

The OneCommand Manager for VMware vCenter CLI getpginfo and getdcbparams commands also show a value for the PFC Priority field if the PFC State is disabled.

Workaround

None.

5. **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
```

6. **On ESXi 5.5 hosts, running an external loopback test results in the following error:**

```
WBEMException: CIM_ERR_ACCESS_DENIED (HTTP 401 -Unauthorized)"  Error on
ESXi55 platform
```

Workaround

None.

7. **On ESXi 5.5 hosts, a loopback test fails intermittently, giving a general error after approximately 3000 cycles.**

Workaround

None.

8. **For OCe14000-series adapters, on the Physical Port Info tab, the Set Speed button may be grayed out.**

Workaround

None.

9. **For the LPe16000-series adapters, if an external loopback plug is connected to the system, a D_Port test runs but does not stop running.**

This issue exists for OneCommand Manager for VMware vCenter GUI and the OneCommand Manager for VMware vCenter CLI DportTest command.

Workaround

Do not install an external loopback plug before running the D_Port test. The D_Port test can only run if the port is connected to an appropriate switch.

10. **For the LPe16000-series adapters, if a diagnostic test (OneCommand Manager for VMware vCenter GUI or OneCommand Manager for VMware vCenter CLI) determines that the switch does not support D_Port, the port remains in D_Port mode.**

Workaround

Manually reset the port.

11. **On the Channel Management tab, OneCommand Manager for VMware vCenter 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.

12. **In Windows 7, using OneCommand Manager 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, 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 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.

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 DMA loopback test is supported only on the OneConnect adapters.**

    Workaround

    None.

20. **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. **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.

2. **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.

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 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.

5. **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.

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**.