

Release Notes

Date: November 2010
Product: OneCommand Manager™ Application for the Windows Drivers
Version: 5.01.09.04

This document describes the new features, resolved issues and known issues associated with this utility build release. For the latest product documentation, go to www.emulex.com. If you have any questions or require additional information, contact an authorized Emulex technical representative.

New Features in OneCommand Manager Application Version 5.01.09.04

1. **Support for the [CLI (hbacmd.exe) path]**
Prior to release of the OneCommand Manager application version 5.01.09.04, the hbacmd.exe file was installed in “\Program Files\Emulex\util\HBAnyware” or “\Program Files (x86)\Emulex\util\HBAnyware”) on 64-bit platforms. With the OneCommand Manager application version 5.01.09.04, the HBAnyware directory has been renamed to OCManager. However, to allow scripts with hard coded paths to hbacmd.exe in the HBAnyware directory to continue to run, a copy of the hbacmd.exe is available in the HBAnyware directory for the OneCommand Manager application version 5.01.09.04 release only. This path will be removed in a future version.
2. **New reporting function features**
The reporting function supports these new features:
 - Licensing and personality change
 - New vNIC attributes
 - Enabled,
 - Name
 - Outer VlanID
 - Minimum bandwidth
 - Maximum bandwidth

Resolved Features in OneCommand Manager Application Version 5.01.09.04

1. Diagnostic tests give correct values for the completed cycles after multiple runs.
2. Offline ports are no longer reported as disabled in the OneCommand Manager application. Previously, the port had to be connected to a switch or have a loopback plug attached to be reported as enabled.

Known Issues in OneCommand Manager Application Version 5.01.09.04

1. **The OneCommand Manager application WebLaunch Installation displays "Installation complete with some error(s)" if you do not have Java Runtime Environment 9JRE installed.**
This error can be ignored because the OneCommand Manager application will switch to use its own version of JRE shipped with the OneCommand Manager application.
2. **The error "Server Error 404 - File or directory not found." May be encountered while trying to launch the OneCommand Manager application WebLaunch.**

If this error is encountered while you are trying to launch the OneCommand Manager application WebLaunch, make sure the following MIME type exists in the system MIME collection of the server that hosts that WebLaunch.

File name extension: jnlp

MIME type: application/x-java-jnlp-file

If not found, refer to the OneCommand Manager application User Manual for instructions on adding the JNLP MIME type.

3. Vital Product Data (VPD) is required on NIC-only and iSCSI adapters for licensing.

Once you license an FCoE personality on an existing NIC-only or iSCSI adapter, you must make sure that the adapter has VPD written on it. Otherwise, FCoE management does not work in the OneCommand Manager application. Many older adapters of these types do not have VPD.

4. x64 installation directory

The OneCommand Manager application version 5.01.09.04 components are now x64-bit compiled binaries (IA-64 are still 32-bit binaries) and the top level installation directory for x64 platforms has been changed from "\Program Files (x86)" to "\Program Files". Any scripts that ran on x64 platforms and used a hard-coded installation directory will need to be modified.

5. Some management features are unavailable through the CIM interface with the OneCommand Manager application kit.

The following management features are unavailable through the CIM interface with the OneCommand Manager application kits (hbacmd and GUI):

- License and personality
- Diagnostic dump
- Port enable/disable
- PXE boot enable/disable
- DMA loopback and external loopback diagnostic tests
- Reset adapter
- BootfromSAN
- Get and clear event logs
- iSCSI management
- DCB and FIP
- New vNIC attributes:
 - Enabled
 - Name
 - Outer VlanID
 - Minimum bandwidth
 - Maximum bandwidth

The Flash Firmware Image field does update automatically after a UCNA firmware download. SfcB must be restarted for this field to be updated.

6. Requirement for driver and DCB parameter handling in hbacmd for the CIM Interface.

To get or set the driver parameters and DCB parameters using hbacmd, FCoE WWN should be specified in the command line. If the NIC MAC address is specified, an error is displayed.

7. Some fields are unavailable for LightPulse adapters through the CIM interface.

The following fields are not available:

- PCI Function in ListHbas
- Function Type in HbaAttrib
- Sub Device Id in HbaAttrib

- Sub Vendor Id in HbaAttrib
- Using the GUI, you cannot set non-dynamic driver parameters for FC.

Workaround: There is no workaround at this time.

8. **The CIM provider supports diagnostic tests (this includes PHY loopback and get and set beacon tests) only for NIC ports.**

For FCoE ports, diagnostic tests do not give proper results if an FCoE port is specified using the CLI.

Workaround: You must provide the NIC port's MAC address.

9. **Improper listing of driver parameters in a host with both CNA and FC adapters.**

In a host that has both CNA and FC adapters, the Host Driver Parameter tab shows two entries in the drop-down window for "Installed driver" – Windows Storport, and Windows CNA. The list of driver parameters only includes those that are common to both CNA and FC adapters.

Workaround: To set a host driver parameter, select the driver type in the "Installed driver" window, and then set the parameters accordingly.

10. **The NIC driver must be installed to run the OneCommand Manager application on an FCoE OneConnect adapter.**

If the OneConnect FCoE adapter is run without the NIC driver installed, many of the management functions are unavailable. Unavailable management functions include:

1. Firmware
 - a. Download
 - b. Active and flash firmware versions
 - c. Firmware status
 - d. BIOS version
 - e. Boot code version
2. All diagnostics including beaconing
3. Transceiver data display
4. Port disable
5. Physical port link status
6. All DCB settings
7. Event log display
8. FAT dumps

Workaround: Install the NIC driver and restart the OneCommand Manager application.

11. **When you start the OneCommand Manager application on a Windows Server 2008 R2 system, the pop-up message "Publisher is unknown" is displayed.**

The 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 pop-up message to run the OneCommand Manager application.
- Disable the pop-up by setting the User Account Control settings to "Never Notify".
- Disable the pop-up by performing the following steps:
 1. Click **Start>Run**, type `secpol.msc` and click **OK**.
 2. Double click **Local Policies**.
 3. Double click **Security Options**.
 4. Double click **User Account Control: Behavior of the elevation prompt for administrators in Admin Approval Mode**.
 5. Select **Elevate without prompting**.
 6. Click **OK**.

12. **Restriction in assigning DCB priorities to priority groups.**
Although there are eight priority groups to which priorities can be assigned, you are able to assign priorities and bandwidths to only two of the priority groups. To one priority group you must assign the FCoE or iSCSI priority and to the other priority group you must assign the other seven (NIC) priorities.
Note: If you are using a DCBX enabled switch to configure the priority groups, you should configure it for only two priority groups in order to work correctly with the OneConnect adapter. If the switch is configured for more than two priority groups, the OneCommand Manager application will report these additional priority groups with their priorities and bandwidths even though the adapter is supporting only two groups.
Workaround: There is no workaround at this time.
13. **Microsoft iSCSI initiator name used as OneConnect iSCSI initiator name.**
If you have enabled the Microsoft iSCSI initiator, the iSCSI initiator name set at system boot on the OneConnect adapter is the same as that of the Microsoft iSCSI initiator. If you change the iSCSI initiator name in the OneCommand Manager application, the change is lost on system reboot and the iSCSI initiator name reverts to that of the Microsoft iSCSI initiator.
Workaround: Stop and disable the Microsoft iSCSI initiator service. Replace the Microsoft iSCSI initiator name with the desired OneConnect iSCSI initiator name.
14. **iSCSI priority is not specified when VLAN and DCBX are disabled.**
For the iSCSI protocol, the iSCSI priority configured in the DCB tab is not set in the iSCSI packets sent out by the port when both VLAN and DCBX are disabled. VLAN is enabled or disabled from the OneCommand Manager application's iSCSI Port Info tab. DCBX is enabled or disabled from the DCB tab.
Workaround: There is no workaround at this time.
15. **DH-CHAP authentication is not supported for OneConnect adapters.**
There is no support for DH-CHAP authentication for OneConnect adapters. Although the DH-CHAP tab is displayed by the OneCommand Manager application when an FCoE node of a OneConnect port is selected in the discovery-tree, it should not be used.
No errors are sent if you set up DH-CHAP authentication in the DH-CHAP tab or use the OneCommand Manager application Command Line Interface. However, if you configure DH-CHAP authentication the link on the port will go down and the port may disappear from the OneCommand Manager application making it impossible to disable DH-CHAP authentication.
Workaround: There is no workaround at this time.
16. **Issue if you run the NIC Teaming Manager and the OneCommand Manager application simultaneously.**
Do not run the OneCommand Manager application while the NIC Teaming Manager is running. Doing so may cause problems with the Teaming Manager's attempts to disable and re-enable the NIC drivers leaving them in a disabled state. Doing so also causes problems with how properties are displayed in the OneCommand Manager application until it is restarted after exiting the NIC Teaming Manager.
Workaround: There is no workaround at this time.
17. **Changing a NIC driver property may make the OneCommand Manager application unavailable.**
If you change NIC driver properties (e.g. Packet Size) using the Windows Driver Properties applet while the OneCommand Manager application is running, the OneCommand Manager application may no longer be able to manage OneConnect adapters. Most data fields will show "n/a", adapter settings will not be configurable and firmware download will not be available.
Workaround: Exit and restart the OneCommand Manager application.

18. There is no support for OneCommand Manager application Web-launch on Itanium systems.

Workaround: There is no workaround at this time.

19. Requirement if DCB settings are connected to a non-DCBX switch.

If DCB settings are required when connected to a non-DCBX switch (or switch with DCBX disabled), DCBX must be disabled on the OneConnect adapter in order to use adapter's configured parameters. If DCBX is enabled, the DCB PFC and Priority Groups are ignored (i.e. the adapter assumes that the switch does not support these features) and for FCoE adapters, the FCoE priority (COS) will be 3.

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