

Release Notes

Date: March 2009
Product: HBAnyware® Utility and the Drivers for Linux
Version: 4.1

This document describes new features, resolved known issues and current 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 Support representative.

New Features in HBAnyware Utility Version 4.1

1. **Designed for adapter FCoE Initialization Protocol (FIP), subject to subsequent industry testing.**
2. **Supports CIM Interface (Operational Name, Target Node WWN and Flash Contents Program ID) for the ESX4i platform.**

Resolved Issues in HBAnyware Utility Version 4.1

1. **Internal and External Loopback Diagnostic Tests Available for LP21000 and LP21002 Adapters.**
The internal and external loopback diagnostic tests were not available for LP21000 and LP21002 adapters.

Known Issues in HBAnyware Utility Version 4.1

1. **Switching between different views in the HBAnyware utility can display less information than what it actually discovered.**
Switching between local view and host view may cause the discovery-tree to lose hosts and/or adapter ports. These hosts and/or ports are then not visible on the Properties tab.
Workaround: Exit the HBAnyware utility and restart it.
2. **If the HBAnyware CIM Client is used to access a VMware ESX server, up to 127 LUNs can be displayed in the discovery-tree (numbered 0 to 126).**
Workaround: There is no workaround at this time.
3. **On LP21002 Adapters, a Known Issue Exists with the CEE tab and Apply Changes Button.**
On the CEE (Converged Enhanced Ethernet) tab, if you select the Enable Host Ethernet PFC Linkage checkbox and click Apply Changes, the Apply Changes button remains active. Although the Apply Changes button is active, the PFC Linkage setting is set to change in tandem with the external interface setting.
Workaround: There is no workaround at this time.
4. **On LPe12000 Adapters, Volatile WWN Changes May Not Be Supported.**
Workaround: Update firmware; see the Emulex Web site at <http://www.emulex.com/support/> for more information.
5. **Not All Adapters may Appear in the Discovery-Tree.**
Although the HBAnyware utility provides support for LightPulse adapters that are reprogrammed with WWPNs outside the typical Emulex range (such as HP's upcoming Virtual Connect for Fibre Channel on the BladeSystem c-Class platform) not all adapters appear in the discovery-tree.

Workaround: The HBAnyware utility must be deployed across all servers on the SAN, as well as any other management console used for out-of-band management, so that all adapters appear in the discovery-tree.

6. **Multiport Adapter Models are Represented in the HBAnyware Utility Discovery-Tree as a Single Adapter with Separate Port Icons for Each Port.**

For older multiport HBA models, the HBAnyware utility displays each port as an individual adapter in the discovery-tree. Newer multiport HBA models (LP9802 or later) are represented by a single adapter that branches out to multiple port icons.

Workaround: There is no workaround at this time.

7. **The HBAnyware Utility may not Launch via the Web Launch Browser.**

If there are multiple versions of the Java Runtime Environment (JRE) installed on your browser's client, you may see the following text in the browser's main display window when you attempt to launch the HBAnyware utility via the Web launch browser:

Emulex Corporation HBAnyware Demo of HBAnyware WebStart web n.n.n.n.....

Workaround: If you have verified that the HBAnyware Web Launch Service package is installed and is running on the target server, try one of these two workarounds:

- Exit the browser, then restart it. The HBAnyware utility should launch successfully.
- Uninstall all non-essential versions of the JRE. HBAnyware Web Launch Service requires only a single version of the JRE be installed on the Windows browser client.

8. **The Virtual Ports tab may report erroneous NPIV Information.**

When the enable-npiv driver parameter is disabled, the Virtual Ports tab may erroneously report "The fabric switch does not support virtual ports" whether or not the switch supports NPIV.

Workarounds: To determine if the switch actually supports NPIV, do one of these two workarounds:

- Enable the enable-npiv driver parameter using the HBAnyware utility.

To enable the enable-NPIV parameter:

1. Select your host from the discovery-tree.
2. Select the Host Driver Parameters tab.
3. Highlight **enable-npiv**.
4. Select **Enabled**.
5. From the discovery-tree, select a port that is connected to the switch.
6. Click **Reset HBA Port** to reset the HBA.
7. When prompted, press **<Yes>** to continue.

When enable-npiv is enabled, the message "The fabric switch does not support virtual ports" appears only if the switch actually does not support NPIV.

Or

- Refer to your switch documentation or manufacturer to determine if the switch supports NPIV.

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