BROADCOM®

Emulex® Brcmflash and LpCfg Utilities for OneConnect® Adapters Release Notes

Versions: FreeBSD BrcmflashOffline, Version 11.2.1153.23
Linux BrcmflashOffline Kit, Version 11.2.1153.23
Linux BrcmflashStandalone Kit, Version 11.2.1153.23
Windows BrcmflashOffline Kit, Version 11.2.1153.23
Windows BrcmflashStandalone Kit, Version 11.2.1153.23
VMware ESXi BrcmflashStandalone Kit, Version 11.2.1153.23

Date: January 30, 2017

Purpose and Contact Information

These release notes describe new features, resolved issues, known issues, and technical tips associated with Emulex® Brcmflash and LpCfg for Linux, Windows, VMware, and FreeBSD. For information about these utilities and their supported platforms, refer to the *Emulex Brcmflash and LpCfg Management Utilities for OneConnect Adapters User Guide*.

For the latest product documentation, go to www.broadcom.com. If you have questions or require additional information, contact an authorized Broadcom® technical support representative at ccx-tech.support@broadcom.com or request assistance online at https://oemsupportportal.emulex.com/web2tech/ccx.html.

New Features

1. **Beginning with software release 11.2, LightPulse® adapters and OneConnect® adapters have independent software kits. Special instructions and considerations for using the driver kits for LightPulse and OneConnect adapters are provided in the *Emulex Software Kit Migration User Guide*. Refer to that document before updating existing drivers and applications to the drivers and applications in release 11.2.**

2. **The following operating system is supported:**
    - SuSE Linux Enterprise Server 12 SP2 (SLES 12 SP2)

3. **The following operating system does not support new features in this release:**
    - VMware ESXi 5.5

4. **The following operating systems are no longer supported:**
    - VMware ESXi 5.1
    - RHEL 7.0

5. **The standalone Brcmflash utility is now supported for VMware ESXi.**

Resolved Issues

There are no resolved issues in this release.

Known Issues

1. **When using the `fwmatrix.txt` file, the Brcmflash Offline Utility uses the last matching entry of the adapter being evaluated.**

   If there are multiple entries, the Brcmflash Offline utility uses the last matching entry only. This behavior is expected. Verify that the `fwmatrix.txt` file does not have duplicate entries.

   Workaround

   None.

2. **The Linux BrcmflashOffline and BrcmflashStandalone kits require out-of-box FCoE, NIC, and iSCSI drivers.**

   If the out-of-box FCoE, NIC, and iSCSI drivers are not installed, the following events occur:
   - While FCoE and NIC functions might be discovered, iSCSI functions are not discovered.
   - LpCfg and Brcmflash report incorrect data for FCoE, iSCSI, and NIC functions.
   - While downloads to FCoE and NIC functions might be available, iSCSI functions are not available.

   Workaround:

   Ensure that you have downloaded the out-of-box FCoE, NIC, and iSCSI drivers from the Broadcom web site.

3. **The Windows BrcmflashOffline and BrcmflashStandalone kits require out-of-box FCoE, NIC, and iSCSI drivers.**

   If the out-of-box FCoE, NIC, and iSCSI drivers are not installed, the following events occur:
   - FCoE, NIC, and iSCSI functions are not discovered.
   - LpCfg and Brcmflash report incorrect data for FCoE, iSCSI, and NIC functions.
   - Firmware downloads to FCoE, NIC, and iSCSI functions might not be available.

   Workaround

   Download the Windows BrcmflashOffline and Windows BrcmflashStandalone drivers that are posted on the Broadcom web site. For BrcmflashOffline (Windows PE), run the kit's installer, which installs all applicable drivers.

4. **If you are using Citrix XenServer 6.x, the BrcmflashOffline kit cannot be installed.**

   When installing Brcmflash on Citrix XenServer 6.x, the BrcmflashOffline kit cannot be installed because it conflicts with the inbox OneCommand® CNA Manager application core kit.

   Workaround

   To install the BrcmflashOffline kit, the OneCommand CNA Manager application core kit must be removed. After the BrcmflashOffline kit is installed, you can install the OneCommand CNA Manager application core kit. Alternatively, you can install the Linux BrcmflashStandalone kit.

5. **Firmware download failure does not generate the correct libdfc error.**

   Workaround

   Contact Broadcom technical support.

Technical Tips

1. **The BrcmflashOffline kit for the Citrix operating systems is part of the Linux BrcmflashOffline kit.**

2. **If Brcmflash reports erroneous output, run the application with the `/xv` switch.**

   The `/xv` switch creates a log file called `dbg.log`. Forward this log to Broadcom technical support.