

Emulex® HBA Capture Utility

Releases:	Windows:	12.8.614.4
	Linux:	12.8.614.4
	VMware:	12.8.614.4

Purpose and Contact Information

These release notes describe the new features, resolved issues, known issues, and technical tips associated with this version of the Emulex® HBA Capture utility.

NOTE: The Emulex OneCapture™ utility has been renamed as the Emulex HBA Capture utility.

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 ecd-tech.support@broadcom.com.

New Features

Support for the following operating systems is deprecated:

- Windows Server 2012
- Windows Server 2012 R2

NOTE: This release supports the CentOS 7.7, 7.8, 7.9, 8.3, 8.4, and 8.5 operating systems. It does not support the CentOS Stream 8 operating system.

Resolved Issues

No issues were resolved in this release.

Known Issues

1. To perform a firmware dump on an LPe35000-series adapter on the Ubuntu 18.04 inbox driver (except on the Ubuntu 18.04.3 HWE release), you cannot use the Emulex HBA Manager application. To perform a firmware dump on this driver, see [Technical Tips, Item 1](#), in these release notes.
2. Versions 12.4 and later of the Emulex HBA Capture utility do not support the Citrix 8.1 and Citrix 8.2 operating systems.

Workaround

Use version 12.2 of the Emulex OneCapture utility on the Citrix 8.1 and Citrix 8.2 operating systems.

Technical Tips

1. To perform a firmware dump on the Ubuntu 18.04 inbox driver (except on the Ubuntu 18.04.3 HWE release), perform the following steps:

- a. Ensure that the latest Emulex HBA Manager core application kit for Linux is installed on the host.
- b. Download the LPe35000-series HBA FW Dump Tool from the Broadcom website at www.broadcom.com.
- c. Type the following commands to extract and install the tool:

```
tar xzf elx-lpe-35000-fw-dump-tool-<version>-ds-1.tar.gz
cd elx-lpe-35000-fw-dump-tool-<version>-ds-1/
rpm -ivh elx-lpe-35000-fw-dump-tool-<version>.<platform>.rpm
```

A window similar to the following is displayed.

```
[root@perfi69 elx-lpe-35000-fw-dump-tool-12.8.267.0-ds-1]# elx-lpe-35000-fw-dump-tool

*****
*                               *
*      Emulex LPe35000-series HBA FW Dump Tool      *
*                               *
*                               *
*      Copyright 2018-2020 Broadcom. All Rights Reserved. *
* The term "Broadcom" refers to Broadcom Inc. and/or its subsidiaries. *
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* applicable license approved by Broadcom. *
*                               *
*****

LPe35000 Devices Detected:
1. pci 0000:a3:00.0 WWPN 0x10000000c9126956 host0 <-- Current handle
2. pci 0000:a3:00.1 WWPN 0x10000000c9126957 host2

Warning:      Triggering a dump on current port handle (host0)
              will also affect port(s): host2

Menu options:
  1. Change port handle.
  2. Trigger Firmware Dump.
  3. Exit.
Please enter option [1 - 3]: █
```

- d. Type 1 and press **Enter** to select the port for which you want to perform the firmware dump.

A window similar to the following is displayed.

```
*****
*                               *
*      Emulex LPe35000-series HBA FW Dump Tool      *
*                               *
*      Copyright 2018-2020 Broadcom. All Rights Reserved. *
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*      applicable license approved by Broadcom. *
*                               *
*****

LPe35000 Devices Detected:
1. pci 0000:a3:00.0 WWPN 0x10000000c9126956 host0 <-- Current handle
2. pci 0000:a3:00.1 WWPN 0x10000000c9126957 host2

Warning:      Triggering a dump on current port handle (host0)
              will also affect port(s): host2

Menu options:
1. Change port handle.
2. Trigger Firmware Dump.
3. Exit.
Please enter option [1 - 3]: 1
```

NOTE: A warning message appears if initiating a firmware dump on a specific port will also affect another port on the same adapter ASIC.

- e. Type the number of the port for which you want to perform the firmware dump, and press **Enter**.

A window similar to the following is displayed.

```
LPe35000 Devices Detected:
1. pci 0000:a3:00.0 WWPN 0x10000000c9126956 host0 <-- Current handle
2. pci 0000:a3:00.1 WWPN 0x10000000c9126957 host2
Please select new handle: 2

*****
*                               *
*      Emulex LPe35000-series HBA FW Dump Tool      *
*                               *
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*      applicable license approved by Broadcom. *
*                               *
*****

LPe35000 Devices Detected:
1. pci 0000:a3:00.0 WWPN 0x10000000c9126956 host0
2. pci 0000:a3:00.1 WWPN 0x10000000c9126957 host2 <-- Current handle

Warning:      Triggering a dump on current port handle (host2)
              will also affect port(s): host0

Menu options:
1. Change port handle.
2. Trigger Firmware Dump.
3. Exit.
Please enter option [1 - 3]:
```

- f. When the desired port is identified as the current port, type 2 and press **Enter** to initiate the firmware dump on the current port.

If the firmware dump is successful, the firmware dump tool closes automatically.

- g. Restart the `elxhbamgrd` service by typing the following command:

```
service elxhbamgrd restart
```

This command allows such applications as the Emulex HBA Manager application to be refreshed.

By default, the firmware dump file is available on the host in the `/var/opt/Emulex/ocmanager/Dump/` directory after the `elxhbamgrd` service has been restarted.

2. Before running the Emulex HBA Capture utility, quiesce the system.
3. To select the adapters for which you want to collect a dump, perform one of the following actions:
 - For the Linux, Solaris, and VMware operating systems, use the `--FullCapture` and `--Adapters` parameters.
 - For the Windows operating systems, use the Emulex HBA Capture CLI to specify the `/FullCapture` and `/Adapters` parameters, or use the Emulex HBA Capture GUI to perform one of the following procedures:
 - In the **Select Capture** window, either choose the **Full** capture type, or choose **HBA Firmware Dump** under **Adapter Dump Information**, and click **OK**.
 - In the **Select Devices to Capture Full Dumps** window, choose the adapters for which you want to collect a dump.

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