

## Emulex<sup>®</sup> Drivers for VMware<sup>®</sup> ESXi

<b>Releases</b>	ESXi 8.0 and Updates	14.4.576.11
	ESXi 9.0s	14.4.576.11

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### Purpose and Contact Information

These release notes describe the supported operating systems, new features, resolved issues, known issues, and technical tips that are associated with these Emulex<sup>®</sup> drivers for VMware<sup>®</sup> releases.

For the latest product documentation and for supported driver versions, go to [www.broadcom.com](http://www.broadcom.com). If you have questions or require additional information, contact an authorized Broadcom<sup>®</sup> Technical Support representative at [ecd-tech.support@broadcom.com](mailto:ecd-tech.support@broadcom.com).

### Supported Operating Systems

The following operating systems are supported:

- ESXi 8.0 and Updates
- ESXi 9.0

### New Features

- This release adds support for the ESXi 9.0 operating system.
- This release deprecates support for the ESXi 7.0 operating system and its updates.
- The ESXi 9.0 driver version and name is modified for easy driver updates.
- Memory usage by the driver is reduced in ESXi 9.0.
- Support is added to the `esxcli elxmgmt hbaport statistics` command to display the encryption/decryption error statistics for LPe37100-series and LPe38100-series HBAs.
- Support is added to the EDIF Management command `edif connection list` to display all the encrypted connections associated with both physical and virtual ports for LPe37100-series and LPe38100-series HBAs.

#### NOTE:

- The HBA-initiated DPortTest is no longer supported; the feature will be disabled in a future release. The HBA continues to support switch-initiated tests.
- The Emulex HBA Manager application only supports the Emulex HBA Manager CLI. The Emulex HBA Manager GUI is no longer supported.

## Resolved Issues

The issue of LUNs disappearing on ESXi 8.0 servers after a major fabric disruption is fixed.

## Known Issues

1. Changing the `lpfc_log_buf` module parameter to a higher value (maximum of 32 MB) consumes additional heap memory and may fail to discover some ports in the system. Modify this parameter only during the debugging phase for specific ports.

### Workaround

None.

2. In the *Emulex Drivers for VMware ESXi User Guide*, the maximum value of the `lpfc_link_speed` parameter is incorrect. The maximum value supported is 64 Gigabaud.
3. In the *Emulex Drivers for VMware ESXi User Guide*, the heap size values that can be specified for the `lpfc_max_heap_size` parameter are incorrect. The heap size can range from 64 MB to 1536 MB. The maximum heap size supported is 1536 MB.
4. An ESXi host might not discover all the targets in a configuration when a large number of targets are connected.

### Workaround

Issue a LIP (Loop Initialization Primitive) on the host port and all targets will be discovered.

## Technical Tips

1. ESXi servers can appear to have the same VMID application ID. The VMID is the combination of the application ID appended to the end of the N\_Port ID, which provides uniqueness within the fabric.
2. To view VMID information on all VMs in a multipathing configuration, set the path policy to `Round Robin`.
3. The server must be in ESXi maintenance mode to safely change the firmware in flash memory.  
For operations such as firmware download, bring the server into ESXi maintenance mode before flashing the firmware.
4. Upgrading from a previous driver to the latest 8.0 asynchronous `lpfc` driver results in the driver retaining the module parameters configured during the previous driver. Setting an invalid value causes the module parameter to be set to some default value. Reset the `lpfc_max_heap_size` parameter to activate the upgrade.

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