Coraid® EtherDrive® HBA for RHEL & CentOS Release Notes v5.2.4

This document describes changes in version 5.2.4 of the software driver for Coraid EtherDrive HBA for Red Hat Enterprise Linux (RHEL) and Community ENTerprise Operating System (CentOS). This version of the driver specifically supports:

- Red Hat Enterprise Linux 5.x (RHEL5) and 6.x (RHEL6) 64-bit x86
- Community ENTerprise Operating System 5.6 and 5.7 (CentOS) 64-bit x86

Two versions of the driver are available for download. Make sure you download the appropriate package for your configuration. Download the driver from:

http://www.coraid.com/support/downloads

For information about installing and using your EtherDrive HBA card and driver, see the *Coraid EtherDrive HBA for RHEL and CentOS Administration Guide* or contact Coraid Technical Assistance Center (TAC).

New in this Release

10GBase-T HBA card

This release adds support for a 10GBase-T (two RJ-45 ports) EtherDrive HBA card in addition to 1GBase-T and CX4 and SFP+ cards.

New or revised commands

- **`ethdrv-stat`** (output changes)

  The target and device columns are now swapped so that the AoE target is first and the device name is second. Also, if the device has yet to be initialized by the Linux SCSI layer, the device now shows up as **`init`** instead of an incorrect device name.

- **`ethdrv-flush`** (new command)

  Refreshes CLI output to remove targets that are no longer present on the host storage network. See the *Coraid EtherDrive HBA for RHEL and CentOS Administration Guide* for details.

Device symbolic links (symlinks)

The **`symlinks`** to the device files, located in **`/dev/ethdrv/`**, use the same format as the software linux driver. These **`symlinks`** are created after the device is initialized by the SCSI layer, so they can be used in scripts to check when a device is ready for I/O.

Resolved Issues

On occasion, a repeated reload of **`ethdrv`** module would cause disk failure. This has been resolved.

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Rev A

Known Issues and Workarounds

Operating system support

Version 5.2.4 of the driver has not been tested with CentOS 5.4 or 5.5. This release specifically supports the following operating systems:

- Red Hat Enterprise Linux 5.x (RHEL5) and 6.x (RHEL6) 64-bit x86
- Community ENTerprise Operating System 5.6 and 5.7 (CentOS) 64-bit x86

EtherDrive HBA LUN size doesn't update when a VSX LUN is resized

When a VSX LV is resized using the **lvresize** command, the new size of the associated LUN (AoE target) is not reflected on the host. In order to update the size on the host, use the **rescan** command before resizing the partition. For example:

```
[user@myhost]# echo "1" >/sys/block/sdX/device/rescan
```