



## Errata for PXE/iSCSI/FCoE Remote Boot for FastLinQ® 57800/41000/45000 Series Ethernet and Converged Network Adapters

### *Marvell FastLinQ Products Affected*

Adapter	Part Number
Single Port 1/10GbE SFP+ CNA Adapter	QLE8440-CU/SR
Dual Port 1/10GbE SFP+ CNA Adapter	QLE8442-CU/SR
Quad Port 25/10GbE SFP28 Adapter	QL41234HLCU
Quad Port 25/10GbE SFP28 Adapter	QL41254HLCU
Quad Port 10GbE SFP+ Adapter	QL41134HLCU
Quad Port 10GbE RJ-45 Adapter	QL41134HLRJ
Dual Port 25/10GbE SFP28 Adapter	QL41212HLCU-11
Dual Port 25/10GbE SFP28 CNA Adapter	QL41262HLCU-11
Dual Port 10GbE RJ-45 Adapter	QL41132HLRJ-11
Dual Port 10GbE SFP+ Adapter	QL41132HLCU-11
Quad Port 10GbE SFP+ Adapter	QL41134HQCU
Quad Port 10GbE RJ-45 Adapter	QL41134HQRJ
Dual Port 10GbE RJ-45 Adapter	QL41132HQRJ
Dual Port 25/10GbE SFP28 Adapter	QL41232HQCU
Single Port 100GbE or Quad 25GbE or Quad 10GbE QSFP28 Adapter	QL45611HLCU



OEM variants of the Marvell FastLinQ 57800/41000/45000 products are also affected. The most common Marvell direct sale and HPE variants are listed in the Products Affected tables.

***HPE® FastLinQ Products Affected***

Name	HPE Part Number
HPE Synergy 4820C 10/20/25Gb 2-port CNA	876449-B21
HPE Ethernet 10Gb 2-port BASE-T QL41401-A2G Adapter (521T) 8	67707-B21
HPE Ethernet 10/25Gb 2-port FLR-SFP28 QL41401-A2G CNA (622FLR-SFP28)	867334-B21
HPE 10/25Gb 2-port SFP28 QL41401-A2G Adapter (621SFP28)	867328-B21
HPE Synergy 6810C 25/50Gb 2-port Ethernet Adapter	867322-B21
HPE 10Gb 2-port SFP+ 57810S CNA (530SFP+)	652503-B21
Marvell QL41232HLCU Ethernet 10/25Gb 2-port SFP28 Adapter	P22702-B21
Marvell QL41132HLCU Ethernet 10Gb 2-port SFP+ Adapter	P21933-B21
Marvell QL41232HQCU Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter	P10118-B21
Marvell QL41132HQRJ Ethernet 10Gb 2-port BASE-T OCP3 Adapter	P10103-B21
Marvell QL41134HLCU Ethernet 10Gb 4-port SFP+ Adapter	P10094-B21
Marvell QL41132HQCU Ethernet 10Gb 2-port SFP+ OCP3 Adapter	P08452-B21
HPE Ethernet 10Gb 2-port SFP+ QL41401-A2G Adapter (524SFP+)	P08446-B21
Marvell QL41132HLRJ Ethernet 10Gb 2-port BASE-T Adapter	P08437-B21
HPE Synergy 6820C 25/50Gb 2-port CNA	P02054-B21
HPE CN1300R 2-port CNA	Q0F09A
HPE CN1200R-T 10GBASE-T 2-port CNA	Q0F26A

## 1 Introduction

This errata sheet describes:

- RHEL® PXE/FCoE remote boot-from-SAN (BFS) limitations and workarounds on all 41000/45000 Series Adapters
- RHEL iSCSI-Offload BFS limitation on all 41000/45000 Series Adapters
- SLES® FCoE remote BFS limitations on all 57800 Converged Network Adapters (CNAs) (including 8400 Series Adapters)
- RHEL iSCSI-Offload BFS limitation on all 57800 CNAs (including 8400 Series Adapters)
- A default iSCSI remote BFS IQN error in the applicable user's guides for the 8400(57800)/41000/45000 Series Adapters

## 2 Issues and Workarounds

**Issue:** Due to some incompatibility between the 41000/45000 Series Adapters out-of-box drivers and newer RHEL operating systems, FCoE BFS and PXE remote boot do not function properly on RHEL 8.5 and later (FCoE only) and RHEL 9.0 and later (PXE and FCoE).

**Workaround:** Marvell recommends using the 41000/45000 Series Adapters inbox drivers for RHEL 8.5 and later and RHEL 9.0 and later FCoE BFS, and the inbox drivers for RHEL 9.0 and later PXE boot, until Red Hat resolves the issues in Red Hat Bugzilla 2019680/2059813 (FCoE BFS) and 2059832 (PXE boot).

**Issue:** Due to some incompatibility between the 41000/45000 Series Adapters out-of-box drivers and newer RHEL operating systems, iSCSI-Offload BFS does not function properly on RHEL 9.0 and later.

**Workaround:** Until Red Hat resolves the issues in Red Hat Bugzilla 2059832, Marvell recommends the following:

- Use the 41000/45000 Series Adapters inbox drivers for RHEL 9.0 and later for iSCSI-Offload BFS.
- Add the following line to the GRUB CMDLINE:

```
rd.iscsi.firmware
```

**Issue:** The 57800/8400 Series Adapters multi-path FCoE BFS SLES 15 SP3 fails to reboot after installation on some servers with inbox or out-of-box bnx2fc drivers (version 2.12.13 or 2.12.17). The reboot fails because the local file systems cannot be unmounted by the installation operating system.

**Workaround 1:** To prevent the 8400/57800 Series Adapters from hanging on reboot after a multi-path FCoE BFS install of SLES15 SP3 on some servers do one of the following:

- Perform a power cycle cold reset OR
- Use the `reboot -f` command instead of the `reboot` command after installing the operating system. For more information, see SUSE Bugzilla 1199554.

**Workaround 2:** On some other servers, the 8400/578xx Series Adapters multi-path FCoE BFS install of SLES15 SP3 may not boot up (after installation reboot) because the FIP VLAN process does not automatically start. In this case, after installing the operating system, issue the following command (at the command line prompt) to re-enable the FIP VLAN process before restarting:

```
fipvlan -c -s -a -d <Ethernet Port Name>
```

For more information, see SUSE Bugzilla 1184336.

**Issue:** On RHEL 8.5 and later, iSCSI Offload boot-from-SAN installation in a multi-path configuration fails to reboot using inbox and out-of-box 8400/578xx Series Adapters drivers and displays an `unknown error` on the installation screen.

**Workaround:** When starting the operating system installation using the initial RHEL image, manually add the following line to the grub command line entry of the install image:

```
systemd.mask=libvirt.service
```

**Issue:** The 8400 (578xx)/41000/45000 Series Adapters User's Guides do not list the correct default iSCSI remote boot IQN value for Linux and Windows operating systems.

**Workaround:** In the 41000 and 45000 Series Adapter Users Guides, in the *iSCSI-Offload Boot from SAN Dynamic iSCSI Boot Configuration* section, the correct default iSCSI IQN is `iqn.1994-02.com.qlogic.iscsi:fastlinqboot`.

For more information, see the *Marvell FastLinQ 41000 Series Adapters, Converged Network Adapters and Intelligent Ethernet Adapters User's Guide* (part number AH0054601-00), *Marvell FastLinQ 45000 Series Adapters, Converged Network Adapters and Intelligent Ethernet Adapters User's Guide* (part number BC154501-00).

In the 8400/578xx Series Adapter User's Guide, in the *iSCSI-Offload Boot from SAN Dynamic iSCSI Boot Configuration* section, the correct default iSCSI IQN is `iqn.1995-05.com.qlogic.iscsiboot`.

For more information, see the *Converged Network Adapters and Intelligent Ethernet Adapters, Marvell FastLinQ 3400 and 8400 Series User's Guide* (part number 83840-546-00).

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**Document Revision History**

Revision 1, June 16, 2022

**Changes**

Initial release of new errata sheet

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