

# EXAScaler™

# GRIDScaler™

## ConnectX-2 HCA Replacement Advised

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**ALERT!** Mellanox ConnectX-2 HCAs are not supported by the most recent versions of Mellanox OFED firmware. Consequently, these HCAs will not work with the latest versions of EXAScaler or GRIDScaler and ***should be replaced prior to upgrade.***

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### Mellanox OFED Compatibility Requirements

**Mellanox OFED (MOFED) compatibility is required** for successful deployment of SFA OS storage arrays, switches, servers, clients, distributed file systems, and NAS (network-attached storage) protocol services in an InfiniBand or RDMA-enabled Ethernet (RoCE) fabric environment. MOFED provides the RDMA (remote direct memory access) and Linux kernel bypass functions required for high-performance data access at scale, and is an essential part of DDN file system solutions such as EXAScaler (which incorporates Lustre) and GRIDScaler (which incorporates GPFS or Spectrum Scale).

### Statement of Support for ConnectX-2 HCAs

Mellanox ConnectX-2 host channel adapters (HCAs) for Infiniband and Ethernet ***are no longer supported*** by versions 4.0-1.0.1.0 or above of the Mellanox OFED software stack.

For EXAScaler 3.3.0 or higher and GRIDScaler 4.2.3 or higher, the bundled version of MOFED is 4.3-1.0.1.0 (or higher). This MOFED version does not support ConnectX-2 HCAs. Consequently, prior to upgrading your file system to these later versions of EXAScaler or GRIDScaler, ConnectX-2 HCAs

will need to be replaced with Mellanox ConnectX-3, ConnectX-4, or later compatible HCAs in order to work properly.

ConnectX-2 HCAs must be replaced on:

- **External file system servers** running EXAScaler or GRIDScaler and connected to SFA storage
- **Clients** connecting to EXAScaler or GRIDScaler running on **embedded VMs** in SFA storage

## Affected Products

- EXAScaler versions 3.3.0 and higher, as shown in [Table 1](#).
- GRIDScaler version 4.2.3 and higher, as shown in [Table 2](#).

**Table 1. EXAScaler Support for Mellanox ConnectX-2 HCAs**

EXASCALER VERSION	OFED VERSION	CONNECTX-2 SUPPORT
3.3	4.3-1.0.1.1	No
3.2 and earlier	3.4-2.0.0.0 and earlier	Yes

**Table 2. GRIDScaler Support for Mellanox ConnectX-2 HCAs**

GRIDSCALER VERSION	OFED VERSION	CONNECTX-2 SUPPORT
4.2.3	4.3-1.0.1.0	No
4.2.1	3.4-2.0.0.0	Yes
4.2.0	3.4-1.0.0.0	Yes
4.1.0	3.4-1.0.0.0	Yes
4.0.0 (RHEL 7.2)	3.3-1.0.4.0	Yes
3.2.3 and earlier (RHEL 6.7 and earlier)	3.4-1.0.0.0 and earlier	Yes

## Contacting DDN Technical Support

Please contact DDN Technical Support at any time if you have questions or require assistance. Support can be reached by phone, by email, or on the web as listed below.

### Web

*DDN Community Support Portal  
Portal Assistance*

<https://community.ddn.com/login>  
[webportal.support@ddn.com](mailto:webportal.support@ddn.com)

### Telephone

*DDN Support Worldwide Directory*

<http://www.ddn.com/support/contact-support>

### Email

*Support Email*

[support@ddn.com](mailto:support@ddn.com)

**Bulletins**

*Support Bulletins*

*End-of-Life Notices*

*Bulletin Subscription Requests*

<http://www.ddn.com/support/technical-support-bulletins>

<http://www.ddn.com/support/end-of-life-notices>

[support-tsb@ddn.com](mailto:support-tsb@ddn.com)