mlxup - Firmware Utility v4.29.0 Release Notes

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Release Notes Document History

Revision	Date	Description
Rev 4.29.0	August 14, 2024	Initial version of this mlxup version.

Software Download

Please visit mlxup Firmware Tools page.

Overview

These are the release notes for mlxup. mlxup is a NVIDIA® firmware utility that enables scanning the server machine for available NVIDIA adapters and indicates whether firmware update is required for each adapter.

This utility simplifies the procedure of firmware upgrade and is currently available for NVIDIA® adapter cards.

Supported Operating Systems and Platforms

For the complete list, please refer to latest MFT documentation.

Supported Adapters Cards and Firmware Versions

The following are the supported NVIDIA® network adapter cards firmware versions:

Adapter Cards	Firmware Versions
NVIDIA BlueField-3	32.42.1000
NVIDIA BlueField-2	24.42.1000
NVIDIA ConnectX-7	28.42.1000
NVIDIA ConnectX-6 Lx	26.42.1000
NVIDIA ConnectX-6 Dx	22.42.1000
NVIDIA ConnectX-6 DE	22.42.1000
NVIDIA ConnectX-6	20.42.1000

Adapter Cards	Firmware Versions
NVIDIA ConnectX-5 / ConnectX-5 Ex	16.35.4030
NVIDIA ConnectX-4 Lx	14.32.1010
NVIDIA ConnectX-4	12.28.2006

ⓘ **Note**

The firmware versions above are only for NVIDIA® cards. For OEM cards, mlxup may contain different firmware versions.

Changes and New Features

For chnages to previous versions, please refer to the relevant mlxup Release Notes.

Feature/Category	Description
Firmware	Updated firmware versions. See <u>Supported Adapters Cards and Firmware Versions</u>

Bug Fixes History

Internal Ref.	Description
681475	**Description:** Running mlxup query on ConnectX-4 devices will show both Base MAC and Base GUID, even if the two ports are configured to be ETH only, or IB only.
	Keywords: GUID, MAC, query
	Discovered in Release: 4.1.0
	Fixed in Release: 4.4.0
631415	**Description:** Downloading the latest mlxup binaries by using the flags "--download " and "--downlaod All" is not supported.
	Keywords: Online
	Discovered in Release: 4.0.0
	Fixed in Release: 4.1.0
	Description: OpenSSL library has been upgraded to v1.0.2b in FreeBSD 11 r290500 while mlxup is compiled with an older version, therefore mlxup 4.1.0 will not work with FreeBSD 11 r290500 and above.
	Keywords: FreeBSD, OpenSSL
	Discovered in Release: 4.0.0
	Fixed in Release: 4.1.0

Known Issues

The following table provides a list of known bugs and limitations in regards to this release of the mlxup.

Internal Ref.	Description
669272	**Description:** In VMware ESXi, mlxup is not a standalone tool. It requires MLNX-OFED ESXi driver and MST driver to be installed and loaded in the machine.
	WA: Install and load MLNX_OFED ESXi driver (part of the ESXi 5.5 and newer Inbox driver), and MST driver, which can be found at <u>www.mellanox.com.</u>
	Keywords: mst driver, ESXi, VMware
-	**Description:** Running mlxup in parallel with MFT tools causes read/write corruptions and yields unexpected behavior.
	WA: Do not run mlxup in parallel with other MFT tools.
	Keywords: MFT, parallel