

Release Notes

Release Notes Update History

| Revision | Date | Description |
|-------------|------------------|---|
| 5.5-1.0.3.2 | December 2, 2021 | Initial release of this document version. |



As of MLNX_OFED version v5.1-0.6.6.0, the following are no longer supported.

- ConnectX-3
- ConnectX-3 Pro
- Connect-IB
- RDMA experimental verbs libraries (mlnx_lib)

To utilize the above devices/libraries, refer to version 4.9 long-term support (LTS).

Release Notes contain the following sections:

- [General Support](#)
- [Changes and New Features](#)
- [Bug Fixes in This Version](#)
- [Known Issues](#)

Supported NICs Speeds

The Linux Driver operates across all NVIDIA network adapter solutions supporting the following uplinks to servers:

| Uplink/NICs | Driver Name | Uplink Speed |
|--------------------------|-------------|---|
| BlueField-2 | mlx5 | <ul style="list-style-type: none">• InfiniBand: SDR, FDR, EDR, HDR• Ethernet: 1GbE, 10GbE, 25GbE, 40GbE, 50GbE², 100GbE² |
| BlueField | | <ul style="list-style-type: none">• InfiniBand: SDR, QDR, FDR, FDR10, EDR• Ethernet: 1GbE, 10GbE, 25GbE, 40GbE, 50GbE, 100GbE |
| ConnectX-6 Dx | | <ul style="list-style-type: none">• Ethernet: 10GbE, 25GbE, 40GbE, 50GbE², 100GbE², 200GbE² |
| ConnectX-6 Lx | | <ul style="list-style-type: none">• Ethernet: 1GbE, 10GbE, 25GbE, 40GbE, 50GbE² |
| ConnectX-6 | | <ul style="list-style-type: none">• InfiniBand: SDR, FDR, EDR, HDR• Ethernet: 10GbE, 25GbE, 40GbE, 50GbE², 100GbE², 200GbE² |
| ConnectX-5/ConnectX-5 Ex | | <ul style="list-style-type: none">• InfiniBand: SDR, QDR, FDR, FDR10, EDR• Ethernet: 1GbE, 10GbE, 25GbE, 40GbE, 50GbE, 100GbE |
| ConnectX-4 Lx | | <ul style="list-style-type: none">• Ethernet: 1GbE, 10GbE, 25GbE, 40GbE, 50GbE |
| ConnectX-4 | | <ul style="list-style-type: none">• InfiniBand: SDR, QDR, FDR, FDR10, EDR• Ethernet: 1GbE, 10GbE, 25GbE, 40GbE, 50GbE, 56GbE¹, 100GbE |

1. 56GbE is an NVIDIA proprietary link speed and can be achieved while connecting an NVIDIA adapter card to Mellanox SX10XX switch series or when connecting an NVIDIA adapter card to another NVIDIA adapter card.
2. Supports both NRZ and PAM4 modes.

Package Contents

| Package | Revision | Licenses |
|-------------------|--|---------------------------------------|
| ar_mgr | 1.0-5.10.0.MLNX20211020.gceea2f0.55103 | Mellanox Confidential and Proprietary |
| clusterkit | 1.5.407-1.55103 | BSD |
| dapl | 2.1.10.1.mlnx-OFED.4.9.0.1.4.55103 | Dual GPL/BSD/CPL |
| dpcp | 1.1.17-1.55103 | Proprietary |
| dump_pr | 1.0-5.10.0.MLNX20211107.g9b21597.55103 | GPLv2 or BSD |
| fabric-collector | 1.1.0.MLNX20170103.89bb2aa-0.1.55103 | GPLv2 or BSD |
| hcoll | 4.7.3202-1.55103 | Proprietary |
| ibdump | 6.0.0-1.55103 | BSD2+GPL2 |
| ibsim | 0.10-1.55103 | GPLv2 or BSD |
| ibutils2 | 2.1.1-0.143.MLNX20211118.gdf38b79d.55103 | Mellanox Confidential and Proprietary |
| iser | 5.5-OFED.5.5.1.0.3.1 | GPLv2 |
| isert | 5.5-OFED.5.5.1.0.3.1 | GPLv2 |
| kernel-mft | 4.18.0-106 | Dual BSD/GPL |
| knem | 1.1.4.90mlnx1-OFED.5.5.0.5.2.1 | BSD and GPLv2 |
| libvma | 9.4.0-1 | GPLv2 or BSD |
| libxlio | 1.1.8-1 | GPLv2 or BSD |
| mlnx-en | 5.5-1.0.3.0.gf3bf963 | GPLv2 |
| mlnx-ethtool | 5.13-1.55103 | GPL |
| mlnx-iproute2 | 5.14.0-1.55103 | GPL |
| mlnx-nfsrdma | 5.5-OFED.5.5.1.0.3.1 | GPLv2 |
| mlnx-nvme | 5.5-OFED.5.5.1.0.3.1 | GPLv2 |
| mlnx-ofa_kernel | 5.5-OFED.5.5.1.0.3.1 | GPLv2 |
| mlnx-tools | 5.2.0-0.55103 | GPLv2 |
| mlx-steering-dump | 1.0.0-0.55103 | GPLv2 |
| mpi-selector | 1.0.3-1.55103 | BSD |
| mpitests | 3.2.20-5d20b49.55103 | BSD |
| mstflint | 4.16.0-1.55103 | GPL/BSD |
| multiperf | 3.0-0.14.g5f0fd0e.55103 | BSD 3-Clause, GPL v2 or later |
| ofed-docs | 5.5-OFED.5.5.1.0.3 | GPL/BSD |
| ofed-scripts | 5.5-OFED.5.5.1.0.3 | GPL/BSD |
| openmpi | 4.1.2rc2-1.55103 | BSD |
| opensm | 5.10.0.MLNX20211115.e645cc83-0.1.55103 | GPLv2 or BSD |
| openvswitch | 2.15.1-1.55103 | ASL 2.0 and LGPLv2+ and SISSL |
| perftest | 4.5-0.12.ge93c538.55103 | BSD 3-Clause, GPL v2 or later |
| rdma-core | 55mlnx37-1.55103 | GPLv2 or BSD |
| rshim | 2.0.6-3.ge329c69 | GPLv2 |
| sharp | 2.6.1.MLNX20211124.aac4a56-1.55103 | Proprietary |

| | | |
|----------|-----------------------------|--------------------|
| sockperf | 3.7-0.gita1e8e835a689.55103 | BSD |
| srp | 5.5-OFED.5.5.1.0.3.1 | GPLv2 |
| ucx | 1.12.0-1.55103 | BSD |
| xpmem | 2.6.3-1.55103 | GPLv2 and LGPLv2.1 |