



General Support

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Supported Platforms and NIC Firmware Versions

Note

BlueField-2 and ConnectX-7 are the last generation of BlueField and ConnectX families, respectively, that are supported by MLNX_OFED.

Adapter Card	Bundled Firmware Version
BlueField-3	32.44.1036
BlueField-2	24.44.1036
ConnectX-8	40.44.1036
ConnectX-7	28.44.1036
ConnectX-6 Lx	26.44.1036
ConnectX-6 Dx	22.44.1036
ConnectX-6	20.43.2026
ConnectX-5/ConnectX-5 Ex	16.35.4030
BlueField	18.33.1048
ConnectX-4 Lx	14.32.1900

To obtain the official firmware versions, refer to the NVIDIA [Firmware Download](#) page.

Embedded DOCA Firmware Components - BlueField

Component	Version	Description
BlueField-3 NIC firmware	32.43.1010	Firmware is used to run user programs on the BlueField-3 which allow hardware to run
BlueField-2 NIC firmware	24.43.1010	Firmware is used to run user programs on the BlueField-2 which allow hardware to run
BMC firmware	25.01	BlueField BMC firmware

Component	Version	Description
BlueField-3 eROT (Glacier)	00.02.0195 .0000	BlueField-3 eROT firmware
BlueField-2 eROT (CEC)	04.0f	BlueField-2 eROT firmware

Embedded DOCA Drivers

Component	Version	Description	Licenses
clusterkit	1.14.462- 1.2410068	Multifaceted node assessment tool for high-performance clusters	BSD
collectx-clxapi	1.19.1	CollectX API library which allows any 3 rd party to easily use CollectX functionality in their own programs	Proprietary
cuda	12.6	Parallel computing platform and programming model designed to leverage the power of NVIDIA GPUs for general-purpose computing	Proprietary
dpacc	1.9.0-6	High-level compiler for the DPA processor which compiles code targeted for the data-path accelerator (DPA) processor into a device executable and generates a DPA program	Proprietary
dpcp	1.1.50- 1.2410068	Provides a unified flexible interface for programming IB devices using DevX	Proprietary
flexio	24.10.2454	SDK which exposes an API for managing the device and executing native code over the DPA processor	Proprietary
fwctl	24.10- OFED.24.10.0. 6.7.1	Subsystem designed to standardize the secure firmware interface for userspace, focusing on debugging, configuration, and provisioning	GPLv2
hcoll	4.8.3230- 1.2410068	Contains support for building runtime configurable hierarchical collectives	Proprietary
ibarr	0.1.3- 1.2410068	ip2gid address resolution and gid2lid path record resolution	GPL-2.0 with Linux-syscall-note or BSD-2-Clause

Component	Version	Description	Licenses
ibdum p	6.0.0- 1.2410068	Dump of InfiniBand traffic; diagnostic tool	BSD2+GPL2
ibsim	0.12- 1.2410068	Open-source InfiniBand fabric simulator	GPLv2 or BSD
ibutils	2.1.1	ibdiagnet scans the fabric using directed route packets and extracts all the available information regarding its connectivity and devices.	Proprietary
ibutils 2	2.1.1- 0.21902.MLN X20241029.g 46cf6278.241 0068	Utilities for InfiniBand	Proprietary
iser	24.10- OFED.24.10.0. 6.7.1	Storage related drivers	GPLv2
isert	24.10- OFED.24.10.0. 6.7.1	Storage related drivers	GPLv2
kernel- mft	4.30.0-139	Kernel part of MFT tools (for firmware burning, etc.)	Dual BSD/GPL
knem	1.1.4.90mlnx3 - OFED.23.10.0. 2.1.1	Open-source kernel module that enables high-perf intra-node MPI communication	BSD and GPLv2
libvm a	9.8.60-1	Accelerates latency-sensitive and throughput-demanding TCP and UDP socket-based applications by offloading traffic from the user-space directly to the NIC or HCA	GPLv2 or BSD
libxlio	3.40.0-1	Boosts the performance of TCP/IP applications based on NGINX (CDN, DoH, etc.) and storage solutions as part of the SPDK	GPLv2 or BSD
mft	4.30.0-139	Set of firmware management and debug tools for NVIDIA devices	Proprietary
mlnx- dpdk	22.11.0- 2410.1.0	Equivalent to DPDK upstream. The versioning of MLNX_DPDK indicates which upstream DPDK it is	BSD, LGPLv2, and GPLv2

Component	Version	Description	Licenses
		compatible with it (e.g., 22.11 is compatible with upstream DPDK 2022.11).	
mlnx-en	24.10-0.6.8.0.g9b1cc6c	Kernel drivers part for Ethernet-only package	GPLv2
mlnx-ethtool	6.9-1.2410068	Ethtool with optional MLNX adaptation	GPL
mlnx-iproute2	6.10.0-1.2410068	IPRoute with optional MLNX adaptation	GPL
mlnx-libsnap	1.6.0-1	Library designed to assist common tasks for applications wishing to interact with emulated hardware over BlueField and take the most advantage from hardware capabilities	Proprietary
mlnx-nfsrdma	24.10-OFED.24.10.0.6.7.1	Storage related driver for NFS over RDMA	GPLv2
mlnx-nvme	24.10-OFED.24.10.0.6.7.1	Storage related driver for NVMe	GPLv2
mlnx-ofa_kernel	24.10-OFED.24.10.0.6.8.1	Kernel drivers for Ethernet InfiniBand together	GPLv2
mlnx-snap	3.8.0-6	BlueField SNAP for NVMe and virtio-blk enables hardware-accelerated virtualization of local storage	Proprietary
mlnx-tools	24.10-0.2410068	Tools for loading modules, configurations, scripts, etc.	GPLv2 or BSD
mlx-regex	1.2-ubuntu1	Library providing RegEx pattern matching to DOCA applications using the regular expression processor (RXP) or software-based engines when required	Proprietary
mlx-steeri	1.0.0-0.2410068	Hardware/software steering dump parsing tools	GPLv2

Component	Version	Description	Licenses
ng-dump			
mpitest	3.2.24-2ffc2d6.2410068	Test suite for benchmarking the MPI	BSD
mstflint	4.29.0-1	User space part of our MFT tools	GPL/BSD
multi-perf	3.0-3.0.2410068	Linux tool for perf testing	BSD 3-Clause, GPL v2 or later
ofed-scripts	24.10-OFED.24.10.0.6.8	Scripts used to build OFED	GPL/BSD
openmpi	4.1.7rc1-1.2410068	MPI implementation (for RDMA/RoCE) with some improvements done by the HPC team	BSD
opensm	5.21.0.MLNX20241029.d9aa3dff-0.1.2410068	InfiniBand Subnet Manager and Subnet Administrator based on OpenSM	GPLv2 or BSD
openvswitch	2.17.8-1.2410068	OVS (virtual switch), DPDK based	ASL 2.0, LGPLv2+, and SISSL
perftest	24.10.0-0.65.g9093bae.2410068	Test suite for performance	BSD 3-Clause, GPL v2, or later
rdma-core	2410mlnx54-1.2410068	Implementation of the RDMA verbs	GPLv2 or BSD
rivermax	1:1.60.6	Optimized networking SDK for media and data streaming applications	Proprietary
rshim	2.1.5-0.g8dfd6ea	User-space driver to access the BlueField SoC via the RShim interface, providing ways to push boot stream, debug the target, or login via the virtual console or network interface	GPLv2
sharp	3.9.0.MLNX20241029.7a20	Improves the performance of MPI and machine learning collective operation by offloading from CPUs and GPUs to the network and eliminating	Proprietary

Component	Version	Description	Licenses
	b607-1.2410068	the need to send data multiple times between endpoints	
sockperf	3.10-0.git5ebd327da983.2410068	Network benchmarking utility over socket API UDP/TCP designed for testing network performance (latency and throughput)	BSD
spdk	23.01.5-24	Provides a set of tools and libraries for writing high performance, scalable, user-mode storage applications	Proprietary
srp	24.10-OFED.24.10.0.6.7.1	Storage-related driver for SCSI RDMA Protocol initiator	GPLv2
ucx	1.18.0-1.2410068	High-level application-oriented API for high-performance communication over RDMA networks	BSD
virtio-net-controller	24.10.23-1	Systemd service running on BlueField with a user interface front-end to manage the emulated virtio-net devices	Proprietary
xpmem	2.7.4-1.2410068	Kernel module to enable inter-process mapping for memory copy in user space	GPLv2 and LGPLv2.1
xpmem-lib	2.7-0.2310055	High-performance inter-process memory sharing	LGPLv2.1

DOCA Packages

Device	Component	Version	Description
Host	DOCA Devel	2.10.0	Software development kit package and tools for developing host software
	DOCA Runtime	2.10.0	Runtime libraries and tools required to run DOCA-based software applications on host
	DOCA Extra	2.10.0	Contains helper scripts (doca-info, doca-kernel-support)

Device	Component	Version	Description
	DOCA OFED	2.10.0	Software stack which operates across all NVIDIA network adapter solutions
Target BlueField DPU (Arm)	BlueField BSP	4.10.0	BlueField image and firmware
	DOCA SDK	2.10.0	Software development kit packages and tools for developing Arm software
	DOCA Runtime	2.10.0	Runtime libraries and tools required to run DOCA-based software applications on Arm

Supported Host OS per DOCA-Host Installation Profile

The default operating system included with the BlueField bundle (for DPU and SuperNIC) is Ubuntu 22.04.

The supported operating systems on the host machine per DOCA-Host installation profile are the following:

Note

Only the following generic kernel versions are supported for DOCA local repo package for host installation.

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model
			doca-all	doca-networking	doca-ofed	doca-roce	
Alinux 3.2	x86	5.10.134-13.al8.x86_64	✓	✓	✓	✓	Primary
Alma 8.7	x86	4.18.0-425.13.1.el8_7.x86_64	✗	✗	✓	✓	Community

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model
Alma 9.4	aarch64	5.14.0-427.13.1.el9_4.aarch64	✗	✗	✓	✓	Community
	x86	5.14.0-427.13.1.el9_4.x86_64	✗	✗	✓	✓	Community
Anolis OS 8.4	aarch64	4.18.0-348.2.1.an8_4.aarch64	✗	✗	✓	✓	Community
	x86	4.18.0-305.an8.x86_64	✗	✗	✓	✓	Community
Anolis OS 8.6	aarch64	5.10.134+	✗	✗	✓	✓	Primary
	x86	5.10.134+	✗	✗	✓	✓	Primary
Azure Linux 3.0	aarch64	6.6.57.1-2.azl3	✗	✗	✓	✓	Primary
	x86	6.6.35.1-5.azl3	✗	✗	✓	✓	Primary
BCLinux 21.10SP2	aarch64	4.19.90-2107.6.0.0098.oe1.bclinux.aarch64	✗	✗	✓	✓	Primary
	x86	4.19.90-2107.6.0.0100.oe1.bclinux.x86_64	✗	✗	✓	✓	Primary
BCLinux 22.10	aarch64	5.10.0-153.24.0.100.6.oe2203sp2.bclinux.aarch64	✗	✗	✓	✓	Primary
	x86	5.10.0-153.24.0.100.6.oe2203sp2.bclinux.x86_64	✗	✗	✓	✓	Primary
CentOS Stream 8	aarch64	4.18.0-552.el8.aarch64	✗	✗	✓	✓	Community
	x86	4.18.0-552.el8.x86_64	✗	✗	✓	✓	Community
CentOS Stream 9	aarch64	5.14.0-554.el9.aarch64	✗	✗	✓	✓	Community

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model
	x86	5.14.0-554.el9.x86_64	✘	✘	✔	✔	Community
CTyunOS 22.06	aarch64	4.19.90-2102.2.0.0066.ctl2.aarch64	✘	✘	✔	✔	Primary
	x86	4.19.90-2102.2.0.0066.ctl2.x86_64	✘	✘	✔	✔	Primary
CTyunOS 23.01	aarch64	5.10.0-136.12.0.86.ctl3.aarch64	✔	✔	✔	✔	Primary
	x86	5.10.0-136.12.0.86.ctl3.x86_64	✔	✔	✔	✔	Primary
Debian 10.8	aarch64	4.19.0-14-arm64	✘	✘	✔	✔	Primary
	x86	4.19.0-14-amd64	✔	✔	✔	✔	Primary
Debian 10.9	x86	4.19.0-14-amd64	✘	✘	✔	✔	Primary
	x86	4.19.0-16-amd64	✘	✘	✔	✔	Primary
Debian 10.13	aarch64	4.19.0-21-arm64	✘	✘	✔	✔	Primary
	x86	4.19.0-21-amd64	✔	✔	✔	✔	Primary
Debian 11.3	aarch64	5.10.0-13-arm64	✘	✘	✔	✔	Primary
	x86	5.10.0-13-amd64	✘	✘	✔	✔	Primary
Debian 12.1	aarch64	6.1.0-10-arm64	✘	✘	✔	✔	Primary
	x86	6.1.0-10-amd64	✔	✔	✔	✔	Primary
Debian 12.5	aarch64	6.1.0-18-arm64	✔	✘	✔	✔	Primary
	x86	6.1.0-18-amd64	✔	✘	✔	✔	Primary

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model
EulerOS 2.0 SP9	aarch64	4.19.90-vhulk2006.2.0.h171.eulerosv2r9.aarch64	✘	✘	✔	✔	Community
	x86	4.18.0-147.5.1.0.h269.eulerosv2r9.x86_64	✘	✘	✔	✔	Community
EulerOS 2.0 SP10	aarch64	4.19.90-vhulk2110.1.0.h860.eulerosv2r10.aarch64	✘	✘	✔	✔	Community
	x86	4.18.0-147.5.2.4.h694.eulerosv2r10.x86_64	✘	✘	✔	✔	Community
EulerOS 2.0 SP11	aarch64	5.10.0-60.18.0.50.h323.eulerosv2r11.aarch64	✘	✘	✔	✔	Primary
	x86	5.10.0-60.18.0.50.h323.eulerosv2r11.x86_64	✘	✘	✔	✔	Primary
EulerOS 2.0 SP12	aarch64	5.10.0-136.12.0.86.h1032.eulerosv2r12.aarch64	✘	✘	✔	✔	Primary
	x86	5.10.0-136.12.0.86.h1032.eulerosv2r12.x86_64	✘	✘	✔	✔	Primary
Kylin 10 SP2	aarch64	4.19.90-24.4.v2101.ky10.aarch64	✘	✘	✔	✔	Primary
	x86	4.19.90-24.4.v2101.ky10.x86_64	✘	✘	✔	✔	Primary
Kylin 10 SP3	aarch64	4.19.90-52.22.v2207.ky10.aarch64	✘	✘	✔	✔	Primary
	x86	4.19.90-52.22.v2207.ky10.x86_64	✘	✘	✔	✔	Primary

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model
Linux Kernel 6.13	aarch64	6.13					Primary
	x86						Primary
Mariner 2.0	x86	5.15.148.2-2.cm2					Primary
Oracle Linux 8.4	x86	5.4.17-2102.201.3.el8uek.x86_64					Primary
Oracle Linux 8.6	x86	5.4.17-2136.307.3.1.el8uek.x86_64					Primary
Oracle Linux 8.7	x86	5.15.0-3.60.5.1.el8uek.x86_64					Primary
Oracle Linux 8.8	x86	5.15.0-101.103.2.1.el8uek.x86_64					Primary
Oracle Linux 8.10	x86	5.15.0-206.153.7.1.el8uek.x86_64					Primary
Oracle Linux 9.1	x86	5.15.0-3.60.5.1.el9uek.x86_64					Primary
Oracle Linux 9.2	x86	5.15.0-101.103.2.1.el9uek.x86_64					Primary
Oracle Linux 9.4	aarch64	5.15.0-205.149.5.1.el9uek.aarch64					Primary
OpenSUSE 15.3	aarch64	-					Community
	x86	5.3.18-150300.59.43-DEFAULT					Community
openEuler 20.03 SP1	aarch64	4.19.90-2012.4.0.0053.OE1.aarch					Community

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model
		64					
	x86	4.19.90-2110.8.0.0119.OE1.x86_64	✗	✗	✓	✓	Community
openEuler 20.03 SP3	aarch64	4.19.90-2112.8.0.0131.oe1.aarch64	✗	✗	✓	✓	Primary
	x86	4.19.90-2112.8.0.0131.oe1.x86_64	✗	✗	✓	✓	Primary
openEuler 22.03 SP1	x86	5.10.0-136.12.0.86.oe2203sp1.x86_64	✓	✗	✓	✓	Primary
openEuler 22.03 SP3	x86	5.10.0-182.0.0.95.oe2203sp3.x86_64	✓	✗	✓	✓	Primary
openEuler 22.03 SP4	aarch64	5.10.0-216.0.0.115.oe2203sp4.aarch64	✗	✗	✓	✓	Primary
	x86	5.10.0-216.0.0.115.oe2203sp4.x86_64	✗	✗	✓	✓	Primary
openEuler 24.03 SP0	aarch64	6.6.0-28.0.0.34.oe2403.aarch64	✗	✗	✓	✓	Primary
	x86	6.6.0-28.0.0.34.oe2403.x86_64	✗	✗	✓	✓	Primary
Photon OS 3.0	x86	4.19.225-3.ph3	✗	✗	✓	✓	Community
RHEL/Cent OS 8.2	aarch64	4.18.0-193.el8.aarch64	✗	✗	✓	✓	Primary
	x86	4.18.0-193.el8.x86_64	✓	✓	✓	✓	Primary

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model
RHEL/Cent OS 8.4	aarch64	4.18.0-305.el8.aarch64	✘	✘	✔	✔	Primary
	x86	4.18.0-305.el8.x86_64	✘	✘	✔	✔	Primary
RHEL/Rocky 8.6	aarch64	aarch64.18.0-372.41.1.el8_6.aarch64	✘	✘	✔	✔	Primary
	ppc64le	4.18.0-372.41.1.el8_6.ppc64le	✘	✘	✔	✔	Primary
	x86	4.18.0-372.41.1.el8_6.x86_64	✔	✔	✔	✔	Primary
RHEL/Rocky 8.8	aarch64	4.18.0-477.10.1.el8_8.aarch64	✔	✔	✔	✔	Primary
	ppc64le	4.18.0-477.10.1.el8_8.ppc64le	✘	✘	✔	✔	Primary
	x86	4.18.0-477.10.1.el8_8.x86_64	✔	✔	✔	✔	Primary
RHEL/Rocky 8.9	aarch64	4.18.0-513.5.1.el8_9.aarch64	✔	✔	✔	✔	Primary
	ppc64le	4.18.0-513.5.1.el8_9.ppc64le	✘	✘	✔	✔	Primary
	x86	4.18.0-513.5.1.el8_9.x86_64	✔	✔	✔	✔	Primary
RHEL/Rocky 8.10	aarch64	4.18.0-553.el8_10.aarch64	✔	✔	✔	✔	Primary
	ppc64le	4.18.0-553.el8_10.ppc64le	✘	✘	✔	✔	Primary
	x86	4.18.0-553.el8_10.x86_64	✔	✔	✔	✔	Primary
RHEL/Rocky 9.0	aarch64	5.14.0-70.46.1.el9_0.aarch64	✘	✘	✔	✔	Primary
	ppc64le	5.14.0-70.46.1.el9_0.ppc64le	✘	✘	✔	✔	Primary

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model
	x86	5.14.0-70.46.1.el9_0.x86_64	✘	✘	✔	✔	Primary
RHEL/Rocky 9.2	aarch64	5.14.0-284.11.1.el9_2.aarch64	✘	✘	✔	✔	Primary
	ppc64le	5.14.0-284.11.1.el9_2.ppc64le	✘	✘	✔	✔	Primary
	x86	5.14.0-284.11.1.el9_2.x86_64	✘	✘	✔	✔	Primary
RHEL/Rocky 9.4	aarch64	5.14.0-427.13.1.el9_4.aarch64	✔	✔	✔	✔	Primary
	ppc64le	5.14.0-427.13.1.el9_4.ppc64le	✘	✘	✔	✔	Primary
	x86	5.14.0-427.13.1.el9_4.x86_64	✔	✔	✔	✔	Primary
RHEL/Rocky 9.5	aarch64	5.14.0-503.11.1.el9_5.aarch64	✘	✘	✔	✔	Primary
	ppc64le	5.14.0-503.11.1.el9_5.ppc64le	✘	✘	✔	✔	Primary
	x86	5.14.0-503.11.1.el9_5.x86_64	✘	✘	✔	✔	Primary
SLES 15 SP2	aarch64	5.3.18-22-default	✘	✘	✔	✔	Primary
	ppc64le	5.3.18-22-default	✘	✘	✔	✔	Primary
	x86	5.3.18-22-default	✘	✘	✔	✔	Primary
SLES 15 SP3	aarch64	5.3.18-57-default	✘	✘	✔	✔	Primary
	ppc64le	5.3.18-57-default	✘	✘	✔	✔	Primary
	x86	5.3.18-57-default	✘	✘	✔	✔	Primary

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model
SLES 15 SP4	aarch64	5.14.21-150400.22-default	✘	✘	✔	✔	Primary
	ppc64le	5.14.21-150400.22-default	✘	✘	✔	✔	Primary
	x86	5.14.21-150400.22-default	✘	✘	✔	✔	Primary
SLES 15 SP5	aarch64	5.14.21-150500.53-default	✘	✘	✔	✔	Primary
	ppc64le	5.14.21-150500.53-default	✘	✘	✔	✔	Primary
	x86	5.14.21-150500.53-default	✘	✘	✔	✔	Primary
SLES 15 SP6	aarch64	6.4.0-150600.21-default	✘	✘	✔	✔	Primary
	ppc64le	6.4.0-150600.21-default	✘	✘	✔	✔	Primary
	x86	6.4.0-150600.21-default	✘	✘	✔	✔	Primary
TencentOS 3.3	aarch64	5.4.119-19.0009.39	✘	✘	✔	✔	Primary
	x86	5.4.119-19.0009.39	✘	✘	✔	✔	Primary
Ubuntu 20.04	aarch64	5.4.0-26-generic	✘	✘	✔	✔	Primary
	ppc64le	5.4.0-26-generic	✘	✘	✔	✔	Primary
	x86	5.4.0-26-generic	✔	✔	✔	✔	Primary
Ubuntu 22.04	aarch64	5.15.0-25-generic	✔	✔	✔	✔	Primary
	ppc64le	5.15.0-25-generic	✘	✘	✔	✔	Primary
	x86	5.15.0-25-generic	✔	✔	✔	✔	Primary

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model
Ubuntu 24.04	aarch64	6.8.0-31-generic	✓	✓	✓	✓	Primary
	ppc64le	6.8.0-31-generic	✗	✗	✓	✓	Primary
	x86	6.8.0-31-generic	✓	✓	✓	✓	Primary
Ubuntu24.10	x86	6.11.0-8-generic	✗	✗	✓	✓	Primary
UOS 20.1060	aarch64	5.10.0-46.uel20.aarch64	✗	✗	✓	✓	Primary
	x86	5.10.0-46.uel20.x86_64	✗	✗	✓	✓	Primary
UOS 20.1060a	aarch64	5.10.0-46.uelc20.aarch64	✗	✗	✓	✓	Primary
	x86	5.10.0-46.uelc20.x86_64	✗	✗	✓	✓	Primary

Storage Supported DOCA-Host Operating Systems

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	NFS-over-RDMA	NVMe-OF	GPUDirect Storage
BCLinux 21.10SP2	x86	4.19.90-2107.6.0.100.oe1.bclinux.x86_64	✓	✓	✗
BCLinux 22.10	x86	5.10.0-153.24.0.100.6.oe2203sp2.bclinux.x86_64	✓	✓	✗
CTyunOS 22.06	x86	4.19.90-2102.2.0.0066.ctl2.x86_64	✗	✓	✗
CTyunOS 23.01	x86	5.10.0-136.12.0.86.ctl3.x86_64	✗	✓	✗
Debian 10.13	x86	4.19.0-21-amd64	✗	✓	✗

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	NFS-over-RDMA	NVMe-OF	GPUDirect Storage
Debian 11.3	x86	5.10.0-13-amd64	✗	✓	✗
Debian 12.1	x86	6.1.0-10-amd64	✗	✓	✗
Debian 12.5	x86	6.1.0-18-amd64	✗	✓	✗
openEuler 22.03 SP4	x86	5.10.0-216.0.0.115.oe2203sp4.x86_64	✓	✓	✗
openEuler 24.03 SP0	x86	6.6.0-28.0.0.34.oe2403.x86_64	✓	✗	✗
RHEL/CentOS 8.2	x86	4.18.0-193.el8.x86_64	✓	✓	✓
RHEL/CentOS 8.4	x86	4.18.0-305.el8.x86_64	✓	✓	✓
RHEL/Rocky 8.6	x86	4.18.0-372.41.1.el8_6.x86_64	✓	✓	✓
RHEL/Rocky 8.8	x86	4.18.0-477.10.1.el8_8.x86_64	✓	✓	✓
RHEL/Rocky 8.9	x86	4.18.0-513.5.1.el8_9.x86_64	✓	✓	✓
RHEL/Rocky 8.10	x86	4.18.0-553.el8_10.x86_64	✓	✓	✓
RHEL/Rocky 9.0	x86	5.14.0-70.46.1.el9_0.x86_64	✓	✓	✓
RHEL/Rocky 9.2	x86	5.14.0-284.111.1.el9_2.x86_64	✓	✓	✓
RHEL/Rocky 9.4	x86	5.14.0-427.13.1.el9_4.x86_64	✓	✓	✓
RHEL/Rocky 9.5	x86	5.14.0-503.111.1.el9_5.x86_64	✓	✓	✓
SLES 15 SP2	x86	5.3.18-22-default	✓	✓	✗
SLES 15 SP3	x86	5.3.18-57-default	✓	✓	✗

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	NFS-over-RDMA	NVMe-OF	GPUDirect Storage
SLES 15 SP4	x86	5.14.21-150400.22-default	✓	✓	✗
SLES 15 SP5	x86	5.14.21-150500.53-default	✓	✓	✗
SLES 15 SP6	x86	6.4.0-150600.21-default	✓	✓	✗
Ubuntu 20.04	x86	5.4.0-26-generic	✓	✓	✓
Ubuntu 22.04	x86	5.15.0-25-generic	✓	✓	✓
Ubuntu 24.04	x86	6.8.0-31-generic	✓	✓	✓

DOCA-Host Version Interoperability

This section reflects which versions were tested and verified for multi-version environments (i.e., environments with more than one `doca-ofed` version on host servers).

Current Version	Versions Verified for Interoperability	Release Type	Release Date
2.10 Jan 2025	24.10-1.1.4.0- DOCA-OFED Profile-2.9.1	GA-LTS	November 2024
	23.10-4.0.9.1 LTS-DOCA-OFED-2.5.3	LTS-Update	December 2024
	5.8-6.0.4.2 LTS	LTS-Update	December 2024

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