



Changes and New Features

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For an archive of changes and features from previous releases, refer to [Release Notes Change Log History](#).

Info

NVIDIA® BlueField® DPUs support configuring network ports as either Ethernet only or InfiniBand only .

BlueField Platform Changes and New Features in 4.14.0

- Expanded DPU scalability to support multiple switch ports and up to 32 PFs
- Aligned BlueField attestation capabilities with the NVIDIA RIM Service, enabling automated access to CoRIM files to support zero-trust measurement and validation processes
- Replaced MLNX_DPDK with official upstream DPDK (v25.11+) across the BlueField ecosystem, updating OVS and DOCA components to support standard upstream APIs
- Added support for software-defined vBLK emulation, utilizing the DOCA TLP SDK to offload storage data paths while retaining flexibility for custom control plane implementations

Customer Affecting Changes

Contents:

Changes in This Release

This section provides a list of changes that took place in the current version and break compatibility/interface or discontinue support for features or OS versions, etc.

Introduced in Version	Description	Customer Impact and Recommendation
N/A	N/A	N/A

Changes Planned for Future Releases

This section provides a list of changes that will take place in a future version of the product and will break compatibility/interface or discontinue support for features or OS versions, etc.

Planned for Version	Description
BSP 4.20 (July/2025)	<ul style="list-style-type: none">NVIDIA® System Management (NSM) will be enabled by default on BlueField and ConnectX starting from July release (currently disabled). NSM is a protocol designed for telemetry and management interfaces, specifically introduced with NVIDIA Blackwell products.This proprietary protocol is constructed on the Management Component Transport Protocol (MCTP) and can enhance industry-standard protocols (e.g., PLDM) or operate as an independent management interface.

Changes in Earlier Releases

The following is a list of changes that took place throughout the past two major releases that broke compatibility/interface or discontinued support for features or OS versions:

Introduced in Version	Description	Customer Impact and Recommendation
N/A	N/A	N/A

Discontinued Features

List of features which are supported in previous generations of hardware devices:

- N/A for this release

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