



NVIDIA DOCA

Release Notes

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Chapter 1. Introduction

The NVIDIA® DOCA SDK is a software suite supporting the NVIDIA® BlueField®-2 DPU device.

1.1. Installation Notes

Refer to the [NVIDIA DOCA Installation Guide](#) for information on:

- ▶ Setting up NVIDIA® DOCA SDK on your NVIDIA® BlueField®-2 DPU
- ▶ Supported BlueField-2 platforms
- ▶ Supported host operating systems
- ▶ Package contents

1.2. Technical Support

Customers who purchased NVIDIA products directly from NVIDIA are invited to contact us through the following methods:

- ▶ E-mail: enterprisesupport@nvidia.com
- ▶ Enterprise Support page: <https://www.nvidia.com/en-us/support/enterprise>

Customers who purchased NVIDIA M-1 Global Support Services, please see your contract for details regarding Technical Support.

Customers who purchased NVIDIA products through an NVIDIA-approved reseller should first seek assistance through their reseller.

Chapter 2. Changes and New Features

- ▶ Added support for Arm host
- ▶ DOCA Flow enhancements
 - ▶ LPM pipe
 - ▶ Mutli-actions pipe
- ▶ New DOCA Flow samples
 - ▶ Metadata copy
 - ▶ Metadata set

Chapter 3. New Documentation

► N/A

Chapter 4. Known Issues

The following table lists the known issues and limitations for this release of DOCA SDK.

Reference	Description
3048250	Description: When configuring the DPU to operate in NIC Mode, the following parameters must be set to default (i.e., =0): <code>HIDE_PORT2_PF</code> , <code>NVME_EMULATION_ENABLE</code> , and <code>VIRTIO_NET_EMULATION_ENABLE</code> .
	Workaround: N/A
	Keyword: DPU operation mode
	Reported in version: 1.3
3049879	Description: When reloading (ifreload) an empty <code>/etc/network/interfaces</code> file, the previously created interfaces are not deleted.
	Workaround: To delete all previously created interfaces, at least one interface must be present in <code>/etc/network/interfaces</code> . The following configuration can be used as a safe "empty" file to delete all other virtual devices:
	<pre>auto p0 iface p0 auto p1 iface p1</pre>
	Keyword: HBN; unsupported NVUE commands
Reported in version: 1.3	
2821785	Description: Due to disabled backend foundation units, some commands show 500 INTERNAL SERVER ERROR/ 404 NOT FOUND. These commands are related to features or sub-systems which are not supported on HBN.
	Workaround: N/A
	Keyword: HBN; unsupported NVUE commands
	Reported in version: 1.3
2821785	Description: MAC addresses are not learned in the hardware but only in software. This may affect performance in pure L2 unicast traffic. This should not affect performance of IPv4/IPv6 traffic or L2 control traffic (i.e., STP, LLDP).
	Workaround: N/A
	Keyword: HBN
	Reported in version: 1.3
2828838	Description: NetworkManager and other services not directly related to HBN may display the following message in syslog:
	<pre>"netlink: read: too many netlink events. Need to resynchronize platform cache"</pre>

Reference	Description
	The message has no functional impact and may be ignored.
	Workaround: N/A
	Keyword: HBN
	Reported in version: 1.3

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