



NVIDIA DOCA

Release Notes

Table of Contents

| | |
|--|---|
| Chapter 1. Introduction..... | 1 |
| 1.1. Installation Notes..... | 1 |
| 1.2. Technical Support..... | 1 |
| Chapter 2. Changes and New Features..... | 2 |
| Chapter 3. Known Issues..... | 3 |

Chapter 1. Introduction

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

1.1. Installation Notes

Please refer to the [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 products directly from NVIDIA are invited to contact us on the [NVIDIA Support](#) website.

Chapter 2. Changes and New Features

This marks the first release of NVIDIA® DOCA SDK.

Chapter 3. Known Issues

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

| Reference | Description |
|-----------|--|
| 2603455 | Description: When heavy traffic is sent and the DPI enqueue function returns <code>DOCA_DPI_ENQ_INVALID_DB</code> , the printing function returns <code>RTE_EXIT</code> instead of a proper print which terminates the application unnecessarily. |
| | Workaround: N/A |
| | Reported in version: 1.0 |
| 2608106 | Description: Rebooting the NVIDIA® BlueField®-2 DPU after flash and attempting to access the device without SDK Manager results in the IP address not being sent and access failing. |
| | Workaround: Run the following commands — <pre>sudo systemctl restart rshim sudo ifconfig tmfifo_net0 192.168.100.1 netmask 255.255.255.0 up</pre> |
| | Reported in version: 1.0 |
| 2576495 | Description: Firmware reset is not supported in DPU controller. |
| | Workaround: After firmware upgrade or NVconfig configuration, power cycle the controller for the changes to apply. |
| | Reported in version: 1.0 |
| 2614923 | Description: Performing "Burn Target Firmware" may hang. |
| | Workaround: Retry performing "Burn Target Firmware" from the SDK Manager. |
| | Reported in version: 1.0 |
| 2612793 | Description: When installing DOCA SDK 0.1 in CentOS, the correct kernel version is required for successful installation of the OFED Runtime package. The supported kernel versions are listed in the following: CentOS 8.0: |
| | <ul style="list-style-type: none">▶ kernel-4.18.0-80.el8.x8664▶ kernel-4.18.0-80.1.2.el8_0.x8664▶ kernel-4.18.0-80.4.2.el8_0.x8664▶ kernel-4.18.0-80.7.1.el8_0.x8664▶ kernel-4.18.0-80.7.2.el8_0.x86_64▶ kernel-4.18.0-80.11.1.el80.x8664 |

| Reference | Description |
|-----------|--|
| | <ul style="list-style-type: none"><li data-bbox="396 239 821 268">▶ kernel-4.18.0-80.11.2.el80.x8664 <p data-bbox="396 296 529 325">CentOS 8.2:</p> <ul style="list-style-type: none"><li data-bbox="396 348 781 378">▶ kernel-4.18.0-193.el8.x86_64<li data-bbox="396 394 849 424">▶ kernel-4.18.0-193.1.2.el8_2.x86_64<li data-bbox="396 441 849 470">▶ kernel-4.18.0-193.6.3.el8_2.x86_64<li data-bbox="396 487 862 516">▶ kernel-4.18.0-193.14.2.el8_2.x86_64<li data-bbox="396 533 862 562">▶ kernel-4.18.0-193.19.1.el8_2.x86_64<li data-bbox="396 579 862 609">▶ kernel-4.18.0-193.28.1.el8_2.x86_64 |
| | Workaround: N/A |
| | Reported in version: 1.0 |

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