



Bug Fixes History

Ref #	Issue Description
38 94 90 7	<p>Description: eMMC clock toggling loop is observed after boot is completed.</p> <p>Keyword: eMMC; GPIO; toggling</p> <p>Fixed in version: 4.8.0</p>
38 63 01 1	<p>Description: Restarting openibd results in kernel panic after modifying kernel IPsec configurations.</p> <p>Keyword: IPsec</p> <p>Fixed in version: 4.8.0</p>
38 78 45 8	<p>Description: <code>/usr/lib/udev/rules.d/80-ifupdown.rules</code> runs <code>/lib/udev/ifupdown-hotplug</code> which uses ifquery for all newly created interfaces. This dramatically slows down SF interfaces creation.</p> <p>Keyword: Subfunction</p> <p>Fixed in version: 4.8.0</p>
39 01 51 1	<p>Description: Failure to verify measurements when UEFI secure boot is enabled.</p> <p>Keyword: UEFI Secure Boot</p> <p>Fixed in version: 4.8.0</p>
38 75 39 4	<p>Description: After the BFB installation, the root partition UUID in <code>/etc/fstab</code> does not match current partition UUID. As a result root partition is mounted as read-only:</p> <pre><code>/dev/nvme0n1p2 on / type xfs (ro,relatime,attr2,inode64,logbufs=8,logbsize=32k,noquota)</code></pre> <p>Keyword: Read-only; OL; UUID</p> <p>Fixed in version: 4.8.0</p>
38 81 94 1	<p>Description: When working with RShim 2.0.28, PCIe host crash may rarely occur at the beginning of BFB push after the Arm reset.</p> <p>Keyword: RShim; driver</p> <p>Fixed in version: 4.8.0</p>
38 86	<p>Description: To reset or shut down the BlueField Arm, it is mandatory to specify the <code>--sync 0</code> argument. For example:</p>

Ref #	Issue Description
315	<pre>mlxfwreset -d <device> -l 1 -t 4 --sync 0 r</pre>
	Keyword: Arm; shutdown
	Fixed in version: 4.8.0
3956210	<p>Description: BMC version change using BFB installation can fail if the previous BMC version change process did not finish.</p>
	Keyword: BMC
	Fixed in version: 4.8.0
3950114	<p>Description: QP number can go beyond 0xFFFF. Change datatype to uint32_t to hold entire value.</p>
	Keyword: Virtnet
	Fixed in version: 4.8.0
3980842	<p>Description: Openibd queries deprecated parameter <code>ECPF_ESWITCH_MANAGER</code> until the query times out.</p>
	Keyword: Service; openibd
	Fixed in version: 4.8.0
3948009	<p>Description: The command <code>bfcfg -d</code> may show an incorrect OOB MAC address.</p>
	Keywords: OOB; MAC
	Fixed in version: 4.8.0
3814526	<p>Description: Kubernetes official repository changed location and it causes apt/yum failures on BlueField OSes older than BSP 4.7.0 (DOCA 2.7.0).</p>
	Keywords: Kubernetes; OS
	Fixed in version: 4.7.0
3814526	<p>Description: The location of the official Kubernetes repository changed, causing apt/yum failures.</p>
	Keywords: Kubernetes
	Fixed in version: 4.7.0

Ref #	Issue Description
38 20 66 1	Description: Virtio-net may see TX timeout on specific queues. Keywords: Emulated devices Fixed in version: 4.7.0
38 50 45 9	Description: BMC components update fails while using default BMC root password. Keywords: BMC; update Fixed in version: 4.7.0
37 74 08 8	Description: When enrolling a certificate to the UEFI DB, the failure message "ERROR: Unsupported file type!" is displayed when the DB was full. Keywords: SNAP; UEFI; error Fixed in version: 4.7.0
37 87 00 3	Description: Host PCIe driver hangs when hot plugging a device due to SF creation and error flow handling failure. Keywords: Subfunction; hot-plug Fixed in version: 4.7.0
36 63 39 8	Description: On rare occasions, OP-TEE may panic upon boot. Keywords: fTPM over OP-TEE Fixed in version: 4.7.0
36 77 36 6	Description: On rare occasions, the devices <code>/dev/tpm0</code> and <code>/dev/tpmrm0</code> are not created triggering an fTPM panic during boot. This message indicates that the fTPM over OP-TEE feature is not functional. Keywords: fTPM over OP-TEE Fixed in version: 4.7.0
37 12 91 6	Description: The following fTMP over OP-TEE error appears when booting BlueField: <pre>ftpm-tee PRP0001:01: ftpm-tee-probe: tee_client_open_session failed, err=ffff3024</pre> Keywords: fTPM over OP-TEE Fixed in version: 4.7.0

Ref #	Issue Description
38 30 03 4	<p>Description: The following bfscripits have been deprecated and may no longer work as expected: bfinst, bfdracut, bfacpievt. These scripits are no longer supported and will eventually be removed. Warning logs have been added to notify users.</p> <p>Keywords: Deprecated bfscripits</p> <p>Fixed in version: 4.7.0</p>
36 18 93 6	<p>Description: When moving to DPU mode from NIC mode, it is necessary to reinstall the BFB and perform a graceful reboot to the DPU by shutting down the Arm cores before rebooting the host system.</p> <p>Keywords: NIC mode</p> <p>Fixed in version: 4.7.0</p>
36 03 14 6	<p>Description: Running <code>mlxfwreset</code> on BlueField-3 may cause the external host to crash when the RShim driver is running on that host.</p> <p>Keywords: RShim; mlxfwreset</p> <p>Fixed in version: 4.7.0</p>
34 44 07 3	<p>Description: <code>mlxfwreset</code> is not supported in this release.</p> <p>Keywords: mlxfwreset; support</p> <p>Fixed in version: 4.7.0</p>
36 60 46 0	<p>Description: Ubuntu kernel 5.15.0-88-generic backports a bug from the upstream kernel which results in virtio-net full emulation not functioning.</p> <p>Keywords: Kernel</p> <p>Fixed in version: 4.6.0</p>
36 95 36 7	<p>Description: For BlueField-2, although an option to configure "large ICM size" appears in the UEFI menu it is not functional as large ICM size is not supported on it.</p> <p>Keywords: UEFI</p> <p>Fixed in version: 4.6.0</p>
35 71 28 5	<p>Description: Intermittent UEFI/grub exception after many power-cycles:</p> <pre>Call Stack: Synchronous Exception at 0xF4B72E0C</pre>

Ref #	Issue Description
	<pre> ERR[UEFI] : PC=0xF4B72E0C ERR[UEFI] : PC=0xF4B72E70 ERR[UEFI] : PC=0xF4B73570 ERR[UEFI] : PC=0xF4B74904 ERR[UEFI] : PC=0xF4F04444 ERR[UEFI] : PC=0xF4F044F8 ERR[UEFI] : PC=0xF4F05160 ERR[UEFI] : PC=0xF4F02030 ERR[UEFI] : PC=0xFDFC3A38 (0xFDFB0000+0x13A38) [1] DxeCore.dll ERR[UEFI] : PC=0xF56E3594 (0xF56D4000+0xF594) [2] BdsDxe.dll ERR[UEFI] : PC=0xF56F1FFC (0xF56D4000+0x1DFFC) [2] BdsDxe.dll ERR[UEFI] : PC=0xF56F40D4 (0xF56D4000+0x200D4) [2] BdsDxe.dll ERR[UEFI] : PC=0xFDFC6E50 (0xFDFB0000+0x16E50) [3] DxeCore.dll ERR[UEFI] : PC=0x880092E0 ERR[UEFI] : PC=0x8800947C ERR[UEFI] : X0=0x0 X1=0xF4B78FC3 X2=0xE X3=0x0 ERR[UEFI] : X4=0x0 X5=0xFFFFFFFFFFFFFFFFF8 X6=0x0 X7=0xFFFFFFFFF5 ERR[UEFI] : X8=0xF4B79480 X9=0x2 X10=0xFFFFFFFFFFFFFFFFF X11=0xFFFFFDC00 </pre>
	Keyword: Security
	Fixed in version: 4.5.0
35 99	Description: On a reboot following BFB install, the error message "Boot Image update completed, Status: Volume Corrupt" is observed. The error is non-functional and may be safely ignored.
83 9	Keyword: Software provisioning; EFI capsule update; eMMC boot partitions
	Fixed in version: 4.5.0

Ref #	Issue Description
35 56 79 5	<p>Description: The first uplink representor interface may not be renamed to <code>p0</code> from <code>ethX</code> .</p> <p>Keyword: Representors</p> <p>Fixed in version: 4.5.0</p>
36 29 87 5	<p>Description: Fixed base address of static ICM .</p> <p>Keyword: ICM</p> <p>Fixed in version: 4.5.0</p>
33 65 36 3	<p>Description: On BlueField-3, when booting virtio-net emulation device using a GRUB2 bootloader, the bootloader may attempt to close and re-open the virtio-net device. This can result in unexpected behavior and possible system failure to boot.</p> <p>Keywords: BlueField-3; virtio-net; UEFI</p> <p>Fixed in version: 4.5.0</p>
33 73 84 9	<p>Description: Different OVS-based packages can include their own systemd services which prevents <code>/sbin/mlnx_bf_configure</code> from identifying the right one.</p> <p>Keywords: OVS; systemd</p> <p>Fixed in version: 4.5.0</p>
36 05 33 2	<p>Description: A dmseg is printed due to the OVS bridge interface being configured DOWN by default.</p> <p>Keyword: OVS</p> <p>Fixed in version: 4.2.1</p>
34 79 04 0	<p>Description: For non-LSO data, a max chain of 4 descriptors is posted onto the send queue resulting in a partial packet going out on the wire.</p> <p>Keyword: Send; LSO</p> <p>Fixed in version: 4.2.1</p>
35 49 78 5	<p>Description: NVMe and mlx5_core drivers fail during BFB installation. As a result, Anolis OS cannot be installed on the SSD and the <code>mlxfwreset</code> command does not work during Anolis BFB installation.</p> <p>Keyword: Linux; NVMe; BFB installation</p> <p>Fixed in version: 4.2.1</p>

Ref #	Issue Description
33 93 31 6	<p>Description: When LSO is enabled, if the header and data appear in the same fragment, the following warning is given from tcpdump:</p> <pre data-bbox="232 342 1461 499">truncated-ip - 9 bytes missing</pre>
	Keyword: Virtio-net; large send offload
	Fixed in version: 4.2.1
35 54	Description: "dmidecode" output does not match "ipmitool fru print" output.
12 8	Keywords: IPMI; print
	Fixed in version: 4.2.1
35 08	Description: Failure to ssh to Arm via 1GbE OOB interface is experienced after performing warm reboot on the DPU.
01 8	Keywords: SSH; reboot
	Fixed in version: 4.2.0
34 51	Description: BSP build number (fourth digit in version number) does not appear in UEFI menu.
53 9	Keywords: UEFI; software
	Fixed in version: 4.2.0
32 59 80	Description: Following many power cycles on the BlueField DPU, the virtio-net controller may fail to start with the error "failed to register epoll" in the log.
5	Keywords: Virtio-net; power cycle; epoll
	Fixed in version: 4.2.0
32	Description: Enabled reset on MMC to enhance recovery on error.
66 18	Keywords: MMC; reset
0	Fixed in version: 4.2.0

Ref #	Issue Description
34 48 21 7	<p>Description: The PKA engine is not working on CentOS 7.6 due to multiple OpenSSL versions (1.0.2k 1.1.1k) being installed and the library loader not selecting the correct version of the openssl library.</p> <p>Keywords: PKA; OpenSSL</p> <p>Fixed in version: 4.2.0</p>
34 48 22 8	<p>Description: On virtio-net devices with LSO (large send offload) enabled, bogus packets may be captured on the SF representor when running heavy <code>iperf</code> traffic.</p> <p>Keywords: Virtio-net; iperf</p> <p>Fixed in version: 4.2.0</p>
34 52 58 3	<p>Description: OpenSSL is not working with PKA engine on CentOS 7.6 with 4.23 5.4 5.10 kernels due to multiple versions of OpenSSL(1.0.2k and 1.1.1k) are installed.</p> <p>Keywords: OpenSSL; PKA</p> <p>Fixed in version: 4.2.0</p>
34 55 87 3	<p>Description: 699140280000 OPN is not supported.</p> <p>Keywords: SKU; support</p> <p>Fixed in version: 4.2.0</p>
35 19 34 1	<p>Description: Populate the vGIC maintenance interrupt number in MADT to avoid harmless.</p> <p>Keywords: Error</p> <p>Fixed in version: 4.2.0</p>
35 22 65 2	<p>Description: The timer frequency is measured using the c0 fmon feature causing new kernels to complain if CNTFRQ_ELO has a different value on different cores.</p> <p>Keywords: Timer frequency</p> <p>Fixed in version: 4.2.0</p>
35 31 96 5	<p>Description: Memory info displayed via <code>dmidecode</code> is not correct for memory sizes 32G and above.</p> <p>Keywords: Memory; dmidecode</p> <p>Fixed in version: 4.2.0</p>

Ref #	Issue Description
33 62 18 1	<p>Description: A customized BFB with an older kernel does not support bond speed above 200Gb/s.</p> <p>Keywords: Bond; LAG; speed</p> <p>Fixed in version: 4.2.0</p>
31 77 56 9	<p>Description: DCBX configuration may not take effect.</p> <p>Keywords: DCBX; QoS; Ildpad</p> <p>Fixed in version: 4.2.0</p>
28 24 85 9	<p>Description: Hotplug/unplug of virtio-net devices during host shutdown/bootup may result in failure to do plug/unplug.</p> <p>Keywords: Virtio-net, hotplug</p> <p>Fixed in version: 4.2.0</p>
32 52 08 3	<p>Description: Assert errors may be observed in the RShim log after reset/reboot. These errors are harmless and may be ignored.</p> <p>Keywords: RShim; log; error</p> <p>Fixed in version: 4.0.3</p>
32 40 06 0	<p>Description: Hotplug of a modern virtio-net device is not supported when <code>VIRTIO_EMULATION_HOTPLUG_TRANS</code> is <code>TRUE</code> from mlxconfig.</p> <p>Keywords: Virtio-net; hotplug; legacy</p> <p>Fixed in version: 4.0.3</p>
32 40 18 2	<p>Description: Virtio-net full emulation is not supported in CentOS 8.2 with inbox-kernel 4.18.0-193.el8.aarch64.</p> <p>Keywords: Virtio-net; CentOS</p> <p>Fixed in version: 4.0.3</p>
31 51 88 4	<p>Description: If secure boot is enabled, the following error message is observed while installing Ubuntu on the DPU: <code>ERROR: need to use capsule in secure boot mode</code>. This message is harmless and may be safely ignored.</p> <p>Keywords: Error message; installation</p> <p>Fixed in version: 3.9.3</p>

Ref #	Issue Description
27 93 00 5	<p>Description: When Arm reboots or crashes after sending a virtio-net unplug request, the hotplugged devices may still be present after Arm recovers. The host, however, will not see those devices.</p> <p>Keywords: Virtio-net; hotplug</p> <p>Fixed in version: 3.9.3</p>
31 07 22 7	<p>Description: BlueField with secured BFB fails to boot up if the <code>PART_SCHEME</code> field is set in <code>bf.cfg</code> during installation.</p> <p>Keywords: Installation; bf.cfg</p> <p>Fixed in version: 3.9.2</p>
31 09 27 0	<p>Description: If the RShim service is running on an external host over the PCIe interface then, in very rare cases, a soft reset of the BlueField can cause a poisoned completion to be returned to the host. The host may treat this as a fatal error and crash.</p> <p>Keywords: RShim; ATF</p> <p>Fixed in version: 3.9.2</p>
27 90 92 8	<p>Description: Virtio-net-controller recovery may not work for a hot-plugged device because the system assigns a BDF (string identifier) of 0 for the hot-plugged device, which is an invalid value.</p> <p>Keywords: Virtio-net; hotplug; recovery</p> <p>Fixed in version: 3.9.0</p>
27 80 81 9	<p>Description: Eye-opening is not supported on 25GbE integrated-BMC BlueField-2 DPU.</p> <p>Keywords: Firmware, eye-opening</p> <p>Fixed in version: 3.9.0</p>
28 76 44 7	<p>Description: Virtio full emulation is not supported by NVIDIA® BlueField®-2 multi-host cards.</p> <p>Keywords: Virtio full emulation; multi-host</p> <p>Fixed in version: 3.9.0</p>

Ref #	Issue Description
2855485	<p>Description: After BFB installation, Linux crash may occur with <code>efi_call_rts</code> messages in the call trace which can be seen from the UART console.</p> <p>Keywords: Linux crash; <code>efi_call_rts</code></p> <p>Fixed in version: 3.9.0</p>
2901514	<p>Description: Relaxed ordering is not working properly on virtual functions.</p> <p>Keywords: MLNX_OFED; relaxed ordering; VF</p> <p>Fixed in version: 3.9.0</p>
2852086	<p>Description: On rare occasions, the UEFI variables in UVPS EEPROM are wiped out which hangs the boot process at the UEFI menu.</p> <p>Keywords: UEFI; hang</p> <p>Fixed in version: 3.9.0</p>
2934828	<p>Description: PCIe device address to RDMA device name mapping on x86 host may change after the driver restarts in Arm.</p> <p>Keywords: RDMA; Arm; driver</p> <p>Fixed in version: 3.9.0</p>
-	<p>Description: RShim driver does not work when the host is in secure boot mode.</p> <p>Keywords: RShim; Secure Boot</p> <p>Fixed in version: 3.9.0</p>
2787308	<p>Description: At rare occasions during Arm reset on BMC-integrated DPUs, the DPU will send "PCIe Completion" marked as poisoned. Some servers treat that as fatal and may hang.</p> <p>Keywords: Arm reset; BMC integrated</p> <p>Fixed in version: 3.9.0</p>
2585607	<p>Description: Pushing the BFB image fails occasionally with a "bad magic number" error message showing up in the console.</p> <p>Keywords: BFB push; installation</p> <p>Fixed in version: 3.9.0</p>
2802	<p>Description: SLD detection may not function properly.</p> <p>Keywords: Firmware</p>

Ref #	Issue Description
943	Fixed in version: 3.9.0
2580	Description: External host reboot may also reboot the Arm cores if the DPU was configured using mlxconfig.
945	Keywords: Non-volatile configuration; Arm; reboot
	Fixed in version: 3.9.0
2899	Description: BlueField-2 may sometimes go to PXE boot instead of Linux after installation.
740	Keywords: Installation; PXE
	Fixed in version: 3.8.5
2870	Description: Some DPUs may get stuck at GRUB menu when booting due to the GRUB configuration getting corrupted when board is powered down before the configuration is synced to memory.
143	Keywords: GRUB; memory
	Fixed in version: 3.8.5
2873	Description: The available RShim logging buffer may not have enough space to hold the whole register dump which may cause buffer wraparound.
700	Keywords: RShim; logging
	Fixed in version: 3.8.5
2801	Description: IPMI EMU service reports cable link as down when it is actually up.
89	Keywords: IPMI EMU
1	Fixed in version: 3.8.0
2779	Description: Virtio-net controller does not work with devices other than <code>mlx5_0/1</code> .
861	Keywords: Virtio-net controller
	Fixed in version: 3.8.0
2801	Description: No parameter validation is done for feature bits when performing hotplug.
378	Keywords: Virtio-net; hotplug
	Fixed in version: 3.8.0

Ref #	Issue Description
2802917	Description: When secure boot is enabled, PXE boot may not work. Keywords: Secure boot; PXE Fixed in version: 3.8.0
2827413	Description: Updating a BFB could fail due to congestion. Keywords: Installation; congestion Fixed in version: 3.8.0
2829876	Description: For virtio-net device, modifying the number of queues does not update the number of MSIX. Keywords: Virtio-net; queues Fixed in version: 3.8.0
2597790	Description: A "double free" error is seen when using the "curl" utility. This happens only when OpenSSL is configured to use a dynamic engine (e.g. Bluefield PKA engine). Keywords: OpenSSL; curl Fixed in version: 3.8.0
2853295	Description: UEFI secure boot enables the kernel lockdown feature which blocks access by mstmcrs. Keywords: Secure boot Fixed in version: 3.8.0
2854472	Description: Virtio-net controller may fail to start after power cycle. Keywords: Virtio-net controller Fixed in version: 3.8.0
2854995	Description: Memory consumed for a representor exceeds what is necessary making scaling to 504 SF's not possible. Keywords: Memory Fixed in version: 3.8.0
2856652	Description: Modifying VF bits yields an error. Keywords: Virtio-net controller Fixed in version: 3.8.0

Ref #	Issue Description
28 59 06 6	Description: Arm hangs when user is thrown to livefish by FW (e.g. secure boot). Keywords: Arm; livefish Fixed in version: 3.8.0
28 66 08 2	Description: The current installation flow requires multiple resets after booting the self-install BFB due to the watchdog being armed after capsule update. Keywords: Reset; installation Fixed in version: 3.8.0
28 66 53 7	Description: Power-off of BlueField shows up as a panic which is then stored in the RShim log and carried into the BERT table in the next boot which is misleading to the user. Keywords: RShim; log; panic Fixed in version: 3.8.0
28 68 94 4	Description: Various errors related to the UPVS store running out of space are observed. Keywords: UPVS; errors Fixed in version: 3.8.0
27 54 79 8	Description: <code>oob_net0</code> cannot receive traffic after a network restart. Keywords: <code>oob_net0</code> Fixed in version: 3.8.0
26 91 17 5	Description: Up to 31 hot-plugged virtio-net devices are supported even if <code>PCI_SWITCH_EMULATION_NUM_PORT=32</code> . Host may hang if it hot plugs 32 devices. Keywords: Virtio-net; hotplug Fixed in version: 3.8.0
25 97 97 3	Description: Working with CentOS 7.6, if SF network interfaces are statically configured, the following parameters should be set. <code>NM_CONTROLLED="no"</code> <code>DEVTIMEOUT=30</code> For example:

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	<pre data-bbox="289 310 1192 947"># cat /etc/sysconfig/network-scripts/ifcfg-p0m0 NAME=p0m0 DEVICE=p0m0 NM_CONTROLLED="no" PEERDNS="yes" ONBOOT="yes" BOOTPROTO="static" IPADDR=12.212.10.29 BROADCAST=12.212.255.255 NETMASK=255.255.0.0 NETWORK=12.212.0.0 TYPE=Ethernet DEVTIMEOUT=30</pre>
	Keywords: CentOS; subfunctions; static configuration
	Fixed in version: 3.7.0
25 81 53 4	<p data-bbox="232 1157 1422 1230">Description: When shared RQ mode is enabled and offloads are disabled, running multiple UDP connections from multiple interfaces can lead to packet drops.</p> <p data-bbox="232 1257 669 1289">Keywords: Offload; shared RQ</p> <p data-bbox="232 1318 545 1350">Fixed in version: 3.7.0</p>
25 81 62 1	<p data-bbox="232 1377 1437 1451">Description: When OVS-DPDK and LAG are configured, the kernel driver drops the LACP packet when working in shared RQ mode.</p> <p data-bbox="232 1480 889 1512">Keywords: OVS-DPDK; LAG; LACP; shared RQ</p> <p data-bbox="232 1541 545 1572">Fixed in version: 3.7.0</p>
26 01 09 4	<p data-bbox="232 1598 1393 1671">Description: The gpio-mlxbf2 and mlxbf-gige drivers are not supported on 4.14 kernel.</p> <p data-bbox="232 1701 602 1732">Keywords: Drivers; kernel</p> <p data-bbox="232 1761 545 1793">Fixed in version: 3.7.0</p>
25 84	<p data-bbox="232 1818 1438 1892">Description: Virtio-net-controller does not function properly after changing uplink representor MTU.</p>

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427	<p>Keywords: Virtio-net controller; MTU</p> <p>Fixed in version: 3.7.0</p>
2438392	<p>Description: VXLAN with IPsec crypto offload does not work.</p> <p>Keywords: VXLAN; IPsec crypto</p> <p>Fixed in version: 3.7.0</p>
2406401	<p>Description: Address Translation Services is not supported in BlueField-2 step A1 devices. Enabling ATS can cause server hang.</p> <p>Keywords: ATS</p> <p>Fixed in version: 3.7.0</p>
2402531	<p>Description: PHYless reset on BlueField-2 devices may cause the device to disappear.</p> <p>Keywords: PHY; firmware reset</p> <p>Fixed in version: 3.7.0</p>
2400381	<p>Description: When working with strongSwan 5.9.0bf, running <code>ip xfrm state show</code> returns partial information as to the offload parameters, not showing "<code>mode full</code>".</p> <p>Keywords: strongSwan; ip xfrm; IPsec</p> <p>Fixed in version: 3.7.0</p>
2392604	<p>Description: Server crashes after configuring <code>PCI_SWITCH_EMULATION_NUM_PORT</code> to a value higher than the number of PCIe lanes the server supports.</p> <p>Keywords: Server; hang</p> <p>Fixed in version: 3.7.0</p>
2293791	<p>Description: Loading/reloading NVMe after enabling VirtIO fails with a PCI bar memory mapping error.</p> <p>Keywords: VirtIO; NVMe</p> <p>Fixed in version: 3.7.0</p>
2245	<p>Description: When working with OVS in the kernel and using Connection Tracking, up to 500,000 flows may be offloaded.</p> <p>Keywords: DPU; Connection Tracking</p>

Ref #	Issue Description
983	Fixed in version: 3.7.0
1945	Description: If the Linux OS running on the host connected to the BlueField DPU has a kernel version lower than 4.14, MLNX_OFED package should be installed on the host.
513	Keywords: Host OS
	Fixed in version: 3.7.0
1900	Description: During heavy traffic, ARP reply from the other tunnel endpoint may be dropped. If no ARP entry exists when flows are offloaded, they remain stuck on the slow path.
203	Workaround: Set a static ARP entry at the BlueField Arm to VXLAN tunnel endpoints.
	Keywords: ARP; Static; VXLAN; Tunnel; Endpoint
	Fixed in version: 3.7.0
2082	Description: During boot, the system enters systemctl emergency mode due a corrupt root file system.
985	Keywords: Boot
	Fixed in version: 3.6.0.11699
2278	Description: Creating a bond via NetworkManager and restarting the driver (openibd restart) results in no pf0hpf and bond creation failure.
833	Keywords: Bond; LAG; network manager; driver reload
	Fixed in version: 3.6.0.11699
2286	Description: Only up to 62 host virtual functions are currently supported.
59	Keywords: DPU; SR-IOV
6	Fixed in version: 3.6.0.11699
2397	Description: Before changing SR-IOV mode or reloading the mlx5 drivers on IPsec-enabled systems, make sure all IPsec configurations are cleared by issuing the command <code>ip x s f && ip x p f</code> .
932	Keywords: IPsec; SR-IOV; driver
	Fixed in version: 3.6.0.11699
2405	Description: In Ubuntu, during or after a reboot of the Arm, manually, or as part of a firmware reset, the network devices may not transition to switchdev mode. No

Ref #	Issue Description
039	device representors would be created (pf0hpf, pf1hpf, etc). Driver loading on the host will timeout after 120 seconds.
	Keywords: Ubuntu; reboot; representors; switchdev
	Fixed in version: 3.6.0.11699
2403019	Description: EEPROM storage for UEFI variables may run out of space and cause various issues such as an inability to push new BFB (due to timeout) or exception when trying to enter UEFI boot menu.
	Keywords: BFB install; timeout; EEPROM UEFI Variable; UVPS
	Fixed in version: 3.6.0.11699
2458040	Description: When using OpenSSL on BlueField platforms where Crypto support is disabled, the following errors may be encountered: PKA_ENGINE: PKA instance is invalid PKA_ENGINE: failed to retrieve valid instance This happens due to OpenSSL configuration being linked to use PKA hardware, but that hardware is not available since crypto support is disabled on these platforms.
	Keywords: PKA; Crypto
	Fixed in version: 3.6.0.11699
2456947	Description: All NVMe emulation counters (Ctrl, SQ, Namespace) return "0" when queried.
	Keywords: Emulated devices; NVMe
	Fixed in version: 3.6.0.11699
2411542	Description: Multi-APP QoS is not supported when LAG is configured.
	Keywords: Multi-APP QoS; LAG
	Fixed in version: 3.6.0.11699
2394130	Description: When creating a large number of VirtIO VFs, hung task call traces may be seen in the dmesg.
	Keywords: VirtIO; call traces; hang
	Fixed in version: 3.5.1.11601
2398050	Description: Only up to 60 virtio-net emulated virtual functions are supported if LAG is enabled.
	Keywords: Virtio-net; LAG

Ref #	Issue Description
	Fixed in version: 3.5.1.11601
2256134	Description: On rare occasions, rebooting the BlueField DPU may result in traffic failure from the x86 host.
	Keywords: Host; Arm
	Fixed in version: 3.5.1.11601
2400121	Description: When emulated PCIe switch is enabled, and more than 8 PFs are enabled, the BIOS boot process might halt.
	Keywords: Emulated PCIe switch
	Fixed in version: 3.5.0.11563
2082985	Description: During boot, the system enters systemctl emergency mode due a corrupt root file system.
	Keywords: Boot
	Fixed in version: 3.5.0.11563
2249187	Description: With the OCP card connecting to multiple hosts, one of the hosts could have the RShim PF exposed and probed by the RShim driver.
	Keywords: RShim; multi-host
	Fixed in version: 3.5.0.11563
2363650	Description: When moving to separate mode on the DPU, the OVS bridge remains and no ping is transmitted between the Arm cores and the remote server.
	Keywords: SmartNIC; operation modes
	Fixed in version: 3.5.0.11563
2394226	Description: Pushing the BFB image v3.5 with a WinOF-2 version older than 2.60 can cause a crash on the host side.
	Keywords: Windows; RShim
	Fixed in version: 3.5.0.11563

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