

ReleaseOrder ID: DCSG01470082
Headline: Alpha Release: Drivers_ESX_2.26 - 226.0.121.0 Drivers_ESX7
Release Version: 226.0.121.0
UCM Project: Drivers_ESX
Sub UCM Project: Drivers_ESX_2.26
Release Type: Alpha
State: Released
Release Baseline: SIT_rel_next_226_v226.0.121.0
Release Date: 2023-04-08 01:00:00.000000
Date Generated: May 22, 2023
Release Message: Package sub component versions:
vmware7: 226.0.121.0
vmware7-roce: 226.0.121.0

Release History

- [DCSG01469512 - Alpha Release: Drivers_ESX_2.26 - 226.0.120.0 Drivers_ESX7](#)
- [DCSG01465489 - Alpha Release: Drivers_ESX_2.26 - 226.0.115.0 Drivers_ESX7](#)
- [DCSG01458590 - Alpha Release: Drivers_ESX_2.26 - 226.0.108.0 Drivers_ESX7](#)
- [DCSG01446061 - Alpha Release: Drivers_ESX_2.26 - 226.0.94.0 Drivers_ESX7](#)
- [DCSG01443070 - Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.91.0 Drivers_ESX7](#)
- [DCSG01425146 - Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.78.0 Drivers_ESX7](#)
- [DCSG01414067 - Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.68.0 Drivers_ESX7](#)
- [DCSG01413257 - Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.67.0 Drivers_ESX7](#)
- [DCSG01404771 - Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.57.0 Drivers_ESX](#)
- [DCSG01395493 - Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.46.0 Drivers_ESX](#)
- [DCSG01394818 - Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.45.0 Drivers_ESX](#)
- [DCSG01393219 - Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.44.0 Drivers_ESX](#)
- [DCSG01390656 - Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.38.0 Drivers_ESX](#)
- [DCSG01389303 - Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.35.0 Drivers_ESX](#)
- [DCSG01387909 - Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.30.0 Drivers_ESX](#)

ReleaseOrder ID: [DCSG01469512](#) [Open In CQWeb](#)
Headline: Alpha Release: Drivers_ESX_2.26 - 226.0.120.0 Drivers_ESX7
Release Version: 226.0.120.0
UCM Project: Drivers_ESX
Sub UCM Project: Drivers_ESX_2.26
UCM Stream:
Release Type: Alpha
State: Released
Release Baseline: SIT_rel_next_226_v226.0.120.0
Release Date: 2023-04-07 01:00:00.000000
Date Generated: May 22, 2023

Defects Fixed (1):

ID: DCSG01466617
Headline: increase hwrn timeout waiting period by invoking verget 2 times
Description Of Change: Firmware is taking longer time under heavy load, so Invoke VER_GET HWRM 2 times and if it still gets timeout, only then mark interface as down.
Issue Description: Firmware is taking longer time to complete HWRM comands under heavy load

ReleaseOrder ID: [DCSG01465489](#) [Open In CQWeb](#)
Headline: Alpha Release: Drivers_ESX_2.26 - 226.0.115.0 Drivers_ESX7
Release Version: 226.0.115.0
UCM Project: Drivers_ESX
Sub UCM Project: Drivers_ESX_2.26
UCM Stream:
Release Type: Alpha
State: Released
Release Baseline: SIT_rel_next_226_v226.0.115.0
Release Date: 2023-04-01 01:00:00.000000
Date Generated: May 22, 2023

Defects Fixed (1):

ID: DCSG01452198
Headline: Corrected the speed in rocecli
Description Of Change: Corrected the speed to be display for the Link Speed in rocecli
Issue Description: rocecli was not interpreting the Link Speed correctly

ReleaseOrder ID: [DCSG01458590](#) [Open In CQWeb](#)
Headline: Alpha Release: Drivers_ESX_2.26 - 226.0.108.0 Drivers_ESX7
Release Version: 226.0.108.0
UCM Project: Drivers_ESX
Sub UCM Project: Drivers_ESX_2.26
UCM Stream:
Release Type: Alpha
State: Released
Release Baseline: SIT_rel_next_226_v226.0.108.0
Release Date: 2023-03-24 01:00:00.000000
Date Generated: May 22, 2023

ReleaseOrder ID: [DCSG01446061](#) [Open In CQWeb](#)
Headline: Alpha Release: Drivers_ESX_2.26 - 226.0.94.0 Drivers_ESX7

Release Version:	226.0.94.0
UCM Project:	Drivers_ESX
Sub UCM Project:	Drivers_ESX_2.26
UCM Stream:	
Release Type:	Alpha
State:	Released
Release Baseline:	SIT_rel_nxt_226_v226.0.94.0
Release Date:	2023-03-09 02:00:00.000000
Date Generated:	May 22, 2023

ReleaseOrder ID:	DCSG01443070 Open In CQWeb
Headline:	Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.91.0 Drivers_ESX7
Release Version:	226.0.91.0
UCM Project:	Drivers_ESX
Sub UCM Project:	Drivers_ESX_2.26
UCM Stream:	
Release Type:	Pre-Alpha
State:	Open
Release Baseline:	SIT_rel_nxt_226_v226.0.91.0
Release Date:	2023-03-04 02:00:00.000000
Date Generated:	May 22, 2023

Defects Fixed (1):

ID:	DCSG01418513
Headline:	Re-allocate the DCB-X structures in uplink associate if DCB-X mode changes to avoid system crash
Description Of Change:	re-allocate the DCB-X structures in caps register if DCB-X mode changes. Latest firmware returning change in DCB-X mode during start device and uplink associate. So, re-allocate the memory again in associate if DCB-X mode is different from earlier.
Issue Description:	While driver load, Firmware is returning change DCB-X mode causing system crash. 1) During driver load in bnxtnet_start_device function, driver queries the DCB-X mode and assume it is IEEE. So, Driver allocates IEEE specific DCB structures. 2) Later in boot sequence in bnxtnet_uplink_assosiate function, driver again queries the DCB-X mode. If Firmware returns CEE as DCB-X mode(different from earlier), driver still go ahead and try to access CEE specific structures. This will cause of system crash.

ReleaseOrder ID:	DCSG01425146 Open In CQWeb
Headline:	Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.78.0 Drivers_ESX7
Release Version:	226.0.78.0
UCM Project:	Drivers_ESX
Sub UCM Project:	Drivers_ESX_2.26
UCM Stream:	
Release Type:	Pre-Alpha
State:	Open
Release Baseline:	SIT_int_nxt_v226.0.78.0
Release Date:	2023-02-14 02:00:00.000000
Date Generated:	May 22, 2023

Defects Fixed (10):

ID:	DCSG01063745
Headline:	Add 4 part ID to bnxtnet_devices.py
Description Of Change:	Added required 4 part ID to bnxtnet_devices.py
Issue Description:	Corrected device display string in OS

ID:	DCSG01080751
Headline:	Fixed PSOD for rx-ring size less than 256 use case
Description Of Change:	corrected the page table address for rx/tpa ring when the length is less than 256.
Issue Description:	system PSOD with iperf traffic, when rx-ring size is 128.

ID:	DCSG01091947
Headline:	Fixed checksum issues for tunnel packets in ENS mode
Description Of Change:	Set checksum offload flags for both internal and external headers
Issue Description:	Packet drops in ENS for tunnel traffic due to checksum issues

ID:	DCSG01092046
Headline:	Fix VXLAN tunnel port config failure during driver reload
Description Of Change:	Free the tunnel-port if any programmed already before programming new one tunnel port
Issue Description:	VXLAN tunnel port configuration failure during driver reload

ID:	DCSG01137808
Headline:	Failing to bring up maximum number of VFs
Description Of Change:	Filters which are reserved in the first phase of SRIOV initialization were not accounted for vfs config, so VF config/validation was failing
Issue Description:	failing to bring up maximum VFs, VF config/validation was failing

ID:	DCSG01149204
Headline:	Update Driver logging as more generic
Description Of Change:	Removed the logging with cumulus string and modify it as NXE, which is more generic and appropriate
Issue Description:	The driver device layer APIs logs having cumulus string. Since bnxtnet driver supports all the NXE variants, removed cumulus and updated with NXE.

ID:	DCSG01226858
Headline:	Fix Invalid memory access when DCB mem alloc fails during driver load
Description Of Change:	Added check for DCB structure memory allocation failure. If it fails, added code to not process DCB async event.
Issue Description:	Invalid memory access when DCB structure memory allocation fails during driver unload and DCB async event received by driver.

ID:	DCSG01331278
Headline:	Configure VLAN stripping on RoCE vnic
Description Of Change:	ESXi8.0 stack with VSAN configuration is invoking VLAN stripping enable followed by disable before the driver sends first time vnic_cfg to firmware. Fix timing issue in VLAN stripping enable-disable and VNIC_CFG by serializing them.
Issue Description:	ESXi8.0 stack with VSAN configs is invoking VLAN stripping enable followed by disable before the driver sends first time vnic_cfg to firmware. This causes this no VLAN strip issue.

ID: DCSG01384218
Headline: Fix BFD control failures in NSX environment
Description Of Change: Avoid modifying L2 context to netqueue and let it use default vnic
Issue Description: BFD control packets were getting dropped causing BFD tunnels to go down

ID: DCSG01390152
Headline: ENS driver avoid blocking calls
Description Of Change: ens stack invokes driver APIs with spinlock held, causing crash,avoid blocking calls
Issue Description: ens stack invokes driver APIs with spinlock, causing system crash

Enhancements Implemented (3):

ID: DCSG01132074
Headline: Use HWRM_DBG_READ_DIRECT to read FW trace buffers instead of direct reads via GRC windows
Description Of Change: - Driver continues to use direct read to get the pointer to shmem
- Use HWRM_DBG_READ_DIRECT to read the trace. If that fails, then it falls back to direct reads via GRC windows

ID: DCSG01392751
Headline: Get the max_msix_vfs/fid through hwrn_func_qcaps and use while enabling Thor SRIOV
Description Of Change: - Get the max_msix_vfs/fid through hwrn_func_qcaps
- If max_msix_vfs is non zero, assign to msix_vectors_per_vf
- If max_msix_vfs is zero, Use fid to get the BNXTNET_NVM_MSIX_VEC_PER_VF nvm option

ID: DCSG01419683
Headline: Branch out 2.27 release
Description Of Change: Branch out 2.27 release

ReleaseOrder ID: DCSG01414067 [Open In CQWeb](#)
Headline: Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.68.0 Drivers_ESX7
Release Version: 226.0.68.0
UCM Project: Drivers_ESX
Sub UCM Project: Drivers_ESX_2.26
UCM Stream:
Release Type: Pre-Alpha
State: Open
Release Baseline: SIT_int_nxt_v226.0.68.0
Release Date: 2023-02-01 02:00:00.000000
Date Generated: May 22, 2023

Defects Fixed (1):

ID: DCSG01413250
Headline: VMware fix CLI version is not updated
Description Of Change: Due to ESX7/ESX8 component version split,
the CLI apply_version needs to use the new component name
Issue Description: Due to ESX7/ESX8 component version split,
the CLI apply_version needs to use the new component name

ReleaseOrder ID: DCSG01413257 [Open In CQWeb](#)
Headline: Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.67.0 Drivers_ESX7
Release Version: 226.0.67.0
UCM Project: Drivers_ESX
Sub UCM Project: Drivers_ESX_2.26
UCM Stream:
Release Type: Pre-Alpha
State: Open
Release Baseline: SIT_int_nxt_v226.0.67.0
Release Date: 2023-01-31 02:00:00.000000
Date Generated: May 22, 2023

ReleaseOrder ID: DCSG01404771 [Open In CQWeb](#)
Headline: Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.57.0 Drivers_ESX
Release Version: 226.0.57.0
UCM Project: Drivers_ESX
Sub UCM Project: Drivers_ESX_2.26
UCM Stream:
Release Type: Pre-Alpha
State: Released
Release Baseline: SIT_int_nxt_v226.0.57.0
Release Date: 2023-01-20 02:00:00.000000
Date Generated: May 22, 2023

ReleaseOrder ID: DCSG01395493 [Open In CQWeb](#)
Headline: Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.46.0 Drivers_ESX
Release Version: 226.0.46.0
UCM Project: Drivers_ESX
Sub UCM Project: Drivers_ESX_2.26
UCM Stream:
Release Type: Pre-Alpha
State: Released
Release Baseline: SIT_int_nxt_v226.0.46.0
Release Date: 2023-01-07 02:00:00.000000
Date Generated: May 22, 2023

Defects Fixed (1):

ID: DCSG01390152
Headline: ENS driver avoid blocking calls
Description Of Change: ens stack invokes driver APIs with spinlock held, causing crash,avoid blocking calls
Issue Description: ens stack invokes driver APIs with spinlock, causing system crash

ReleaseOrder ID:	DCSG01394818 Open In CQWeb
Headline:	Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.45.0 Drivers_ESX
Release Version:	226.0.45.0
UCM Project:	Drivers_ESX
Sub UCM Project:	Drivers_ESX_2.26
UCM Stream:	
Release Type:	Pre-Alpha
State:	Released
Release Baseline:	SIT_int_nxt_v226.0.45.0
Release Date:	2023-01-06 02:00:00.000000
Date Generated:	May 22, 2023

Enhancements Implemented (1):

ID:	DCSG01392751
Headline:	Get the max_msix_vfs/fid through hwrn_func_qcaps and use while enabling Thor SRIOV
Description Of Change:	- Get the max_msix_vfs/fid through hwrn_func_qcaps - If max_msix_vfs is non zero, assign to msix_vectors_per_vf - If max_msix_vfs is zero, Use fid to get the BNXTNET_NVM_MSIX_VEC_PER_VF nvm option

ReleaseOrder ID:	DCSG01393219 Open In CQWeb
Headline:	Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.44.0 Drivers_ESX
Release Version:	226.0.44.0
UCM Project:	Drivers_ESX
Sub UCM Project:	Drivers_ESX_2.26
UCM Stream:	
Release Type:	Pre-Alpha
State:	Released
Release Baseline:	SIT_int_nxt_v226.0.44.0
Release Date:	2023-01-05 02:00:00.000000
Date Generated:	May 22, 2023

ReleaseOrder ID:	DCSG01390656 Open In CQWeb
Headline:	Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.38.0 Drivers_ESX
Release Version:	226.0.38.0
UCM Project:	Drivers_ESX
Sub UCM Project:	Drivers_ESX_2.26
UCM Stream:	
Release Type:	Pre-Alpha
State:	Released
Release Baseline:	SIT_int_nxt_v226.0.38.0
Release Date:	2022-12-30 02:00:00.000000
Date Generated:	May 22, 2023

ReleaseOrder ID:	DCSG01389303 Open In CQWeb
Headline:	Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.35.0 Drivers_ESX
Release Version:	226.0.35.0
UCM Project:	Drivers_ESX
Sub UCM Project:	Drivers_ESX_2.26
UCM Stream:	
Release Type:	Pre-Alpha
State:	Released
Release Baseline:	SIT_int_nxt_v226.0.35.0
Release Date:	2022-12-28 02:00:00.000000
Date Generated:	May 22, 2023

ReleaseOrder ID:	DCSG01387909 Open In CQWeb
Headline:	Pre-Alpha Release: Drivers_ESX_2.26 - 226.0.30.0 Drivers_ESX
Release Version:	226.0.30.0
UCM Project:	Drivers_ESX
Sub UCM Project:	Drivers_ESX_2.26
UCM Stream:	
Release Type:	Pre-Alpha
State:	Open
Release Baseline:	SIT_int_nxt_v226.0.30.0
Release Date:	2022-12-22 02:00:00.000000
Date Generated:	May 22, 2023

Defects Fixed (1):

ID:	DCSG01384218
Headline:	Fix BFD control failures in NSX environment
Description Of Change:	Avoid modifying L2 context to netqueue and let it use default vnic
Issue Description:	BFD control packets were getting dropped causing BFD tunnels to go down

Enhancements Implemented (1):

ID:	DCSG01342503
Headline:	bnxtnet: Add new 4 part IDs to bnxtnet_devices.py
Description Of Change:	Added new 4 part IDs of one of the OEM to bnxtnet_devices.py.