

ReleaseOrder ID:	DCSG02093240
Headline:	MR8.18 GIT UEFI BSD version 0x08121000 (AARCH64/x64) - uses MR8 API 6.93, MPI3 Rev 40, SL v44 and SL8 Lib v08.1812.0000 - Signed
Release Version:	0x08121000
UCM Project:	UEFI_BSD_GIT
Sub UCM Project:	UEFI_BSD_GEN4_MR8.18_GIT
UCM Stream:	
Release Type:	GCA
State:	Released
Release Baseline:	Rel-UEFI_BSD_GEN4_MR8.18_GIT-ReleaseCandidate-0x08121000-2026-07-23-20-04-45
Release Date:	2026-07-23 14:11:08.000000
Date Generated:	Aug 18, 2026

GCA Release Advisory

- Release Advisory From ReleaseOrder DCSG02093240 (MR8.18 GIT UEFI BSD version 0x08121000 (AARCH64/x64) - uses MR8 API 6.93, MPI3 Rev 40, SL v44 and SL8 Lib v08.1812.0000 - Signed):

Enhancements Implemented (1):

ID:	DCSG02081471
Headline:	Field Downgrade Gate implementation
Description Of Change:	The below new error added in the storelib API for Host boot mode firmware downgrade scenario. #define SL8_ERR_FW_DOWNGRADE_NOT_ALLOWED SL8_ERR_MAIN + 0x44 /**<FW downgrade blocked: image is older than the minimum allowed download version */

Release History

▪ DCSG02087463 - Beta Release: UEFI_BSD_GEN4_MR8.18_GIT - 0x08120E00 UEFI_BSD_Driver
▪ DCSG02077434 - Beta Release: UEFI_BSD_GEN4_MR8.18_GIT - 0x08120B00 UEFI_BSD_Driver
▪ DCSG02074808 - Beta Release: UEFI_BSD_GEN4_MR8.18_GIT - 0x08120A00 UEFI_BSD_Driver
▪ DCSG02070579 - Alpha Release: UEFI_BSD_GEN4_MR8.18_GIT - 0x08120800 UEFI_BSD_Driver
▪ DCSG02068894 - Alpha Release: UEFI_BSD_GEN4_MR8.18_GIT - 0x08120700 UEFI_BSD_Driver
▪ DCSG02029043 - MR8.18 GIT UEFI BSD version 0x08120000 (AARCH64/x64) - uses MR8 API 6.86, MPI3 Rev 39, SL v43 and SL8 Lib v08.1801.0000

ReleaseOrder ID:	DCSG02087463 Open In CQWeb
Headline:	Beta Release: UEFI_BSD_GEN4_MR8.18_GIT - 0x08120E00 UEFI_BSD_Driver
Release Version:	0x08120E00
UCM Project:	UEFI_BSD_GIT
Sub UCM Project:	UEFI_BSD_GEN4_MR8.18_GIT
UCM Stream:	
Release Type:	Beta
State:	Released
Release Baseline:	Release-UEFI_BSD_GEN4_MR8.18_GIT-0x08120E00-2026.07.07.20.19.25
Release Date:	2026-07-07 20:24:41.000000
Date Generated:	Aug 18, 2026

Defects Fixed (1):

ID:	DCSG02065071
Headline:	Storcli efi execution is stuck in the OEM server
Description Of Change:	-- NVMePassThrough protocol uninstallation failed with not found error. -- Invalid Handle was passed for Uninstallation -- Pass proper NVMe pass through handle for Uninstalling the NVMe Pass through protocol.
Issue Description:	Storcli commands stuck in UEFI Shell for the second command
Steps To Reproduce:	Execute CLI commands in EFI shell

ReleaseOrder ID:	DCSG02077434 Open In CQWeb
Headline:	Beta Release: UEFI_BSD_GEN4_MR8.18_GIT - 0x08120B00 UEFI_BSD_Driver
Release Version:	0x08120B00
UCM Project:	UEFI_BSD_GIT
Sub UCM Project:	UEFI_BSD_GEN4_MR8.18_GIT
UCM Stream:	
Release Type:	Beta
State:	Released
Release Baseline:	Release-UEFI_BSD_GEN4_MR8.18_GIT-0x08120B00-2026.06.10.20.20.04
Release Date:	2026-06-10 20:25:04.000000
Date Generated:	Aug 18, 2026

Defects Fixed (1):

ID:	DCSG02074965
Headline:	HII Fails to load
Description Of Change:	-- HII image size check was hardcoded to 1MB -- HII raw image size is more than 1MB -- Hardcoding to 6MB to satisfy the static analysis tool.
Issue Description:	HII max size defined as 1MB but raw size is more than that.
Steps To Reproduce:	NA

ReleaseOrder ID:	DCSG02074808 Open In CQWeb
Headline:	Beta Release: UEFI_BSD_GEN4_MR8.18_GIT - 0x08120A00 UEFI_BSD_Driver
Release Version:	0x08120A00
UCM Project:	UEFI_BSD_GIT
Sub UCM Project:	UEFI_BSD_GEN4_MR8.18_GIT
UCM Stream:	
Release Type:	Beta
State:	Released
Release Baseline:	Release-UEFI_BSD_GEN4_MR8.18_GIT-0x08120900-2026.06.03.21.54.25

Release Date:	2026-06-04 11:27:54.000000
Date Generated:	Aug 18, 2026

Enhancements Implemented (1):

ID:	DCSG02070293
Headline:	Port 6.93 fwsasmegaapi_mr8 changes to fwsasmegaapi
Description Of Change:	Port 6.93 fwsasmegaapi_mr8 changes to fwsasmegaapi
ReleaseOrder ID:	DCSG02070579 Open In CQWeb
Headline:	Alpha Release: <i>UEFI_BSD_GEN4_MR8.18_GIT - 0x08120800 UEFI_BSD_Driver</i>
Release Version:	0x08120800
UCM Project:	UEFI_BSD_GIT
Sub UCM Project:	UEFI_BSD_GEN4_MR8.18_GIT
UCM Stream:	
Release Type:	Alpha
State:	Released
Release Baseline:	Release-UEFI_BSD_GEN4_MR8.18_GIT-0x08120800-2026.05.20.20.16.31
Release Date:	2026-05-20 20:22:14.000000
Date Generated:	Aug 18, 2026

Defects Fixed (1):

ID:	DCSG02069889
Headline:	Fix static code analyzer identified related issues
Description Of Change:	Fix static code analyzer identified related issues in BSD
Issue Description:	Fix static code analyzer identified related issues
Steps To Reproduce:	NA
ReleaseOrder ID:	DCSG02068894 Open In CQWeb
Headline:	Alpha Release: <i>UEFI_BSD_GEN4_MR8.18_GIT - 0x08120700 UEFI_BSD_Driver</i>
Release Version:	0x08120700
UCM Project:	UEFI_BSD_GIT
Sub UCM Project:	UEFI_BSD_GEN4_MR8.18_GIT
UCM Stream:	
Release Type:	Alpha
State:	Released
Release Baseline:	Release-UEFI_BSD_GEN4_MR8.18_GIT-0x08120700-2026.05.14.16.37.20
Release Date:	2026-05-14 16:43:52.000000
Date Generated:	Aug 18, 2026

Defects Fixed (1):

ID:	DCSG02065581
Headline:	Fix static code analyzer identified related issues
Description Of Change:	Fix static code analyzer identified related issues in BSD
Issue Description:	Fix static code analyzer identified related issues
Steps To Reproduce:	NA
ReleaseOrder ID:	DCSG02029043 Open In CQWeb
Headline:	MR8.18 GIT UEFI BSD version 0x08120000 (AARCH64/x64) - uses MR8 API 6.86, MPI3 Rev 39, SL v43 and SL8 Lib v08.1801.0000
Release Version:	0x08120000
UCM Project:	UEFI_BSD_GIT
Sub UCM Project:	UEFI_BSD_GEN4_MR8.18_GIT
UCM Stream:	
Release Type:	Pre-Alpha-1
State:	Released
Release Baseline:	Release-UEFI_BSD_GEN4_MR8.18_GIT-0x8120000-2026.02.02.06.36.14
Release Date:	2026-02-02 06:35:54.000000
Date Generated:	Aug 18, 2026

Enhancements Implemented (9):

ID:	DCSG01933595
Headline:	UEFI Driver Adds Full NVM Express Pass Through Protocol Support for NVMe Controllers
Description Of Change:	The UEFI Driver adds a complete implementation of the UEFI NVM Express Pass Through Protocol (EFI_NVM_EXPRESS_PASS_THRU_PROTOCOL) in the UEFI Boot Service Driver for NVMe-capable controllers. Following functions are implemented: * PassThru Enables upper-layer software and applications to send NVMe commands (Admin and I/O queue) directly to an NVMe namespace. The implementation validates parameters, protocol attributes, buffer alignment, and command direction, and returns NVMe completion status to the caller. * GetNextNamespace Allows enumeration of NVMe namespaces exposed by the controller. Callers use 0xFFFFFFFF to obtain the first namespace ID, then pass the returned ID on subsequent calls to walk the list until no more namespaces are available. * BuildDevicePath Builds a UEFI device path node for a given namespace ID. The implementation verifies the namespace exists, issues an NVMe Identify command to retrieve the namespace EUI-64 identifier, and returns a MESSAGING_DEVICE_PATH node (subtype MSG_NVME_NAMESPACE_DP) containing the namespace ID and EUI-64. Caller is responsible for freeing the returned path. * GetNamespace Extracts the namespace ID from an NVMe namespace device path. Optionally verifies that the namespace exists and that the EUI-64 in the device path matches the actual namespace when a non-zero UUID is present. * Protocol installation The driver installs the NVMe Pass Through Protocol on the controller handle with mode attributes set for physical and logical access and NVM command set support (PHYSICAL LOGICAL CMD_SET_NVME), and configures IoAlign and NvmeVersion as required.
ID:	DCSG02009322
Headline:	Improve error reporting when Enterprise Key Manager enable is pending
Description Of Change:	-- Firmware fails the command with existing error Operation in progress -- BSD/HII will not display complete error message like MR8_OPERATION. -- Firmware will fail the retried command with MR8_DCMD_STAT_EXT_OPERATION_IN_PROGRESS and MR8_OPERATION_E-K-M_ACTIVATION
ID:	DCSG02011056
Headline:	UEFI BSD: Update the BSD with latest MPI release baseline
Description Of Change:	UEFI BSD: Update the BSD with latest MPI release baseline
ID:	DCSG02014634
Headline:	UEFI BSD: Debug ability improvements

Description Of Change: Check for debug improvement opportunities in current program

ID: DCSG02016755
Headline: UEFI BSD: Parity check with other UEFI BSD projects
Description Of Change: UEFI BSD: Parity check with other UEFI BSD projects.
Check for porting opportunities.

ID: DCSG02020521
Headline: SED KEY ID GET Improvements
Description Of Change: -- No Changes required from BSD
-- New Buffer is not required for BSD so we will not be doing any changes.
-- This is required for OEM application
-- Worked with arch (Subhankar) and concluded on the same in the call

ID: DCSG02020672
Headline: Support the OEM UEFI CA 2023 signing
Description Of Change: -- Update System bios
-- Work with OEM for the process to enable the 2023 Key
-- Get 2023 Key for older server
-- Verify the 2023 Key secure boot

ID: DCSG02021467
Headline: Support the OEM UEFI CA 2023 signing
Description Of Change: -- Update System bios
-- Work with OEM for the process to enable the 2023 Key
-- Get 2023 Key for older server
-- Verify the 2023 Key secure boot

ID: DCSG02025271
Headline: Improve error reporting when Enterprise Key Manager enable is pending
Description Of Change: -- Firmware fails the command with existing error Operation in progress
-- BSD/HII will not display complete error message like MR8_OPERATION.
-- Firmware will fail the retried command with MR8_DCMD_STAT_EXT_OPERATION_IN_PROGRESS and MR8_OPERATION_E-K-M_ACTIVATION