ReleaseOrder ID:	*DCSG01416261*
Headline:	*GCA Release: IT_UEFI_Drv_Ph26 - 26.00.00.00 UEFI (Signed) BSD*
Release Version:	*26.00.00.00*
UCM Project:	*IT_UEFI_Drv_GIT*
Sub UCM Project:	*IT_UEFI_Drv_GIT_Ph26*
UCM Stream:	
Release Type:	*GCA*
State:	*Released*
Release Baseline:	*Rel-IT_UEFI_Drv_GIT_Ph26-ReleaseCandidate-26.00.00.00-2023-02-02-12-14-51*
Release Date:	*2023-02-04 23:45:50.000000*
Date Generated:	*May 24, 2023*

GCA Release Advisory

- **Release Advisory From ReleaseOrder DCSG01416261 (GCA Release: IT_UEFI_Drv_Ph26 - 26.00.00.00 UEFI (Signed) BSD):**

Release History

- DCSG01416261 - GCA Release: IT_UEFI_Drv_Ph26 - 26.00.00.00 UEFI (Signed) BSD
- DCSG01414956 - Beta Release: IT_UEFI_Drv_Ph26 - 25.255.05.00 UEFI BSD
- DCSG01396267 - Beta Release: IT_UEFI_Drv_Ph26 - 25.255.04.00 UEFI BSD
- DCSG01390575 - Alpha Release: IT_UEFI_Drv_Ph26 - 25.255.03.00 UEFI BSD
- DCSG01383592 - Alpha Release: IT_UEFI_Drv_Ph26 - 25.255.02.00 UEFI BSD
- DCSG01345748 - Pre-Alpha-1 Release: IT_UEFI_Drv_Ph26 - 25.255.01.00 UEFI BSD

ReleaseOrder ID:	*DCSG01416261* Open In CQWeb
Headline:	*GCA Release: IT_UEFI_Drv_Ph26 - 26.00.00.00 UEFI (Signed) BSD*
Release Version:	*26.00.00.00*
UCM Project:	*IT_UEFI_Drv_GIT*
Sub UCM Project:	*IT_UEFI_Drv_GIT_Ph26*
UCM Stream:	
Release Type:	*GCA*
State:	*Released*
Release Baseline:	*Rel-IT_UEFI_Drv_GIT_Ph26-ReleaseCandidate-26.00.00.00-2023-02-02-12-14-51*
Release Date:	*2023-02-04 23:45:50.000000*
Date Generated:	*May 24, 2023*

ReleaseOrder ID:	*DCSG01414956* Open In CQWeb
Headline:	*Beta Release: IT_UEFI_Drv_Ph26 - 25.255.05.00 UEFI BSD*
Release Version:	*25.255.05.00*
UCM Project:	*IT_UEFI_Drv_GIT*
Sub UCM Project:	*IT_UEFI_Drv_GIT_Ph26*
UCM Stream:	
Release Type:	*Beta*
State:	*Released*
Release Baseline:	*Rel-IT_UEFI_Drv_GIT_Ph26-Beta-25.255.05.00-2023-02-01-15-09-46*
Release Date:	*2023-02-03 23:45:50.000000*
Date Generated:	*May 24, 2023*

Defects Fixed (1):

ID:	DCSG01414629 (Port Of Defect DCSG01410832)
Headline:	UEFI Driver fails to boot win 2022 after a cold boot.
Description Of Change:	During cold boot the drives will be sun down. The UEFI driver must spin them up using SSU command. Before SSU command the media access commands such as Read Cap should not be used. However UEFI driver attempted Read Capacity command before SSU. This resulted in Read Capacity command failure which eventually results in system boot failure. Therefore the SSU command is sent first followed by read Capacity command.
Issue Description:	UEFI Driver fails to boot win 2022 after a cold boot. However, the OS boot works fine after a warm boot.
Steps To Reproduce:	Install Win 2022 on a SAS or SATA disk connected to HBA 95xx internal cards. Boot into OS and issue cold reboot. This power cycles the card and drives together. The system boot halts with no boot device found message.

ReleaseOrder ID:	*DCSG01396267* Open In CQWeb
Headline:	*Beta Release: IT_UEFI_Drv_Ph26 - 25.255.04.00 UEFI BSD*
Release Version:	*25.255.04.00*
UCM Project:	*IT_UEFI_Drv_GIT*
Sub UCM Project:	*IT_UEFI_Drv_GIT_Ph26*
UCM Stream:	
Release Type:	*Beta*
State:	*Released*
Release Baseline:	*Rel-IT_UEFI_Drv_GIT_Ph26-Beta-25.255.04.00-2023-01-09-12-05-35*
Release Date:	*2022-01-10 23:45:50.000000*
Date Generated:	*May 24, 2023*

ReleaseOrder ID:	*DCSG01390575* Open In CQWeb
Headline:	*Alpha Release: IT_UEFI_Drv_Ph26 - 25.255.03.00 UEFI BSD*
Release Version:	*25.255.03.00*
UCM Project:	*IT_UEFI_Drv_GIT*
Sub UCM Project:	*IT_UEFI_Drv_GIT_Ph26*
UCM Stream:	
Release Type:	*Alpha*
State:	*Released*
Release Baseline:	*Rel-IT_UEFI_Drv_GIT_Ph26-Alpha-25.255.03.00-2022-12-29-17-25-12*
Release Date:	*2022-12-30 23:45:50.000000*
Date Generated:	*May 24, 2023*

Defects Fixed (1):

ID:	DCSG01383726

Headline:	Advanced PCIe Storage Interface Properties must be suppressed if PCIe Storage Interface Properties is disabled
Description Of Change:	When PCIe Storage Interface Properties is disabled at firmware level the HII must suppress the Advanced PCIe Storage Interface Properties screen. Therefore PCIe Storage Interface Properties check flag is added to vfr file to show or hide the Advanced PCIe Storage Interface Properties screen.
Issue Description:	Advanced PCIe Storage Interface Properties must be suppressed if PCIe Storage Interface Properties is disabled. However the Advanced PCIe Storage Interface Properties is always shown irrespective of enable or disable settings for PCIe Storage Interface Properties
Steps To Reproduce:	1. Flash an 9500-16i board with latest Formware and BIOS packages. 2. Go to Advanced Controller Properties > Change Controller Properties and disable PCIe Storage Interface Support. 3. Reboot the machine. 4. Check whether "Advanced PCIe Storage Interface Properties" form is disabled or not.

ReleaseOrder ID:	***DCSG01383592*** Open In CQWeb
Headline:	***Alpha Release: IT_UEFI_Drv_Ph26 - 25.255.02.00 UEFI BSD***
Release Version:	***25.255.02.00***
UCM Project:	***IT_UEFI_Drv_GIT***
Sub UCM Project:	***IT_UEFI_Drv_GIT_Ph26***
UCM Stream:	
Release Type:	***Alpha***
State:	***Released***
Release Baseline:	***Rel-IT_UEFI_Drv_GIT_Ph26-Pre-Alpha-25.255.02.00-2022-12-15-12-26-08***
Release Date:	***2022-12-26 23:45:50.000000***
Date Generated:	***May 24, 2023***

Enhancements Implemented (1):

ID:	DCSG01376307
Headline:	Improve the PCI attributes handling in UEFI BSD Start function.
Description Of Change:	Current implementation of Getting/Setting/Enable/Supported of PCI attributes is improved. UEFI driver fails the HBA initialization if EFI_PCI_IO_ATTRIBUTE_IO is not supported or could not be enabled. However some systems disable this on certain PCI slots. Due to this the UEFI driver cannot be loaded. Since EFI_PCI_IO_ATTRIBUTE_IO is not a mandatory attribute for UEFI driver, we can skip this if not supported by system. Below is the changes we will be do using this ER. Step 1. Get the supported Attributes using EfiPciIoAttributeOperationSupported operation. Step 2. Enable the required attributes from the supported list (EFI_PCI_DEVICE_ENABLE and EFI_PCI_IO_ATTRIBUTE_DUAL_ADDRESS_CYCLE) using EfiPciIoAttributeOperationEnable operation Step 3. Get the attributes again using operation EfiPciIoAttributeOperationGet. Make sure the attribute set in step 2 are reflected. Step 4. Set the original attributes back using EfiPciIoAttributeOperationSet during Stop controller operation.

ReleaseOrder ID:	***DCSG01345748*** Open In CQWeb
Headline:	***Pre-Alpha-1 Release: IT_UEFI_Drv_Ph26 - 25.255.01.00 UEFI BSD***
Release Version:	***25.255.01.00***
UCM Project:	***IT_UEFI_Drv_GIT***
Sub UCM Project:	***IT_UEFI_Drv_GIT_Ph26***
UCM Stream:	
Release Type:	***Pre-Alpha***
State:	***Released***
Release Baseline:	***Release-Pre-Alpha-25.255.01.00-2022-10-24-14-37-08***
Release Date:	***2022-10-22 22:45:50.000000***
Date Generated:	***May 24, 2023***

Enhancements Implemented (4):

ID:	DCSG01269965
Headline:	Handling error status returned by firmware when blocked function is called by BIOS.
Description Of Change:	Below changes are made to make HII/BSD tolerant of the error status returned by firmware when blocked functions are called. 1. Attempting to change the LED status (on / off) shows error 'The operation is invalid or blocked' 2. Legacy BIOS and Package versions are suppressed if firmware Upload is blocked. 3. FMP Set image function fails if firmware Download is blocked.

ID:	DCSG01291371
Headline:	Add Reference Clock editing capability in HII
Description Of Change:	HII provides an option to change the Reference Clock values under change controller properties page. User must restart the system for these changes to take effect. When Reference clock is changed, the HII updated the PERST values as well. The PERST value will be shown in controller properties screen.

ID:	DCSG01291379
Headline:	UEFI Driver and HII validation against large topology
Description Of Change:	The UEFI HII and driver is validated against large topology. The topology contains up to 255 elements.

ID:	DCSG01338566
Headline:	Avoid sending any IOs to firmware when HBA is reset 5 times as part of IO recovery.
Description Of Change:	In the main IO function where all IOs will pass through, we added a check. This check will make sure the IO returns with error if HBA reset for timeout IO recovery has reached maximum attempts. The maximum attempts is set to 5 times.