

ReleaseOrder ID: DCSG01521806

Headline: Unified StorCLI Phase 28 - StorCLI release order 007.2703.0000.0000

Release Version: 007.2703.0000.0000

UCM Project: SAS35_StorCLI_7x

Sub UCM Project: SAS35_StorCLI_7_27_PH28

UCM Stream:

Release Type: GCA

State: Released

Release Baseline: Rel-SAS35_StorCLI_7_27_PH28-Beta-007.2703.0000.0000-2023-07-05-12-27-56

Release Date: 2023-07-05 07:45:00.000000

Date Generated: Oct 06, 2023

GCA Release Advisory

- Release Advisory From ReleaseOrder DCSG01521806 (Unified StorCLI Phase 28 - StorCLI release order 007.2703.0000.0000):

Release History

- [DCSG01492758 - Unified StorCLI Phase 28 - StorCLI release order 007.2701.0000.0000](#)
- [DCSG01485956 - Unified StorCLI Phase 28 - StorCLI release order 007.2700.0000.0000](#)

ReleaseOrder ID: DCSG01492758 [Open In CQWeb](#)

Headline: Unified StorCLI Phase 28 - StorCLI release order 007.2701.0000.0000

Release Version: 007.2701.0000.0000

UCM Project: SAS35_StorCLI_7x

Sub UCM Project: SAS35_StorCLI_7_27_PH28

UCM Stream:

Release Type: Alpha

State: Released

Release Baseline: Rel-SAS35_StorCLI_7_27_PH28-Pre-Alpha-007.2701.0000.0000-2023-05-22-12-15-08

Release Date: 2023-05-16 17:00:55.000000

Date Generated: Oct 06, 2023

Defects Fixed (1):

ID: DCSG01490408 (Port Of Defect DCSG01446520)

Headline: Storcli crashes while Upgrading PSOC image for IT card

Description Of Change: root cause: With the catlog image, we try to read and point to the matching image's offset.
If the matching component is not the first and its part of subsequent image, then the pointer offset is changed.
This modified pointer offset is used in free which cause this.

Fix: Updated the algorithm not to change pointer offset so that free call will release appropriately.
Also while calling the programming, offset with appropriate catalog image is sent.

Issue Description: Storcli crashes while Upgrading PSOC image for IT card

Steps To Reproduce: In Linux run storcli64 /c0 download psoc file=pbip_catalog.signed.rom

Enhancements Implemented (4):

ID: DCSG01400121

Headline: Add PERST control for NVMe drives

Description Of Change: Add PERST control for NVMe drives

ID: DCSG01421205

Headline: add PERST control mechanism for NVMe Physical Disks

Description Of Change: Added the PCIe PERST settings commands.

PCIe PERST settings:
To set/show the PCIe PERST settings on controller,

PERST Override should be updated as below.
1)PERST should be asserted.
2)PERST should be Deasserted.
3)PERST should be no override.

ID: DCSG01421212

Headline: Prevent installation of inappropriate Firmware image

Description Of Change: With this feature storelib will have SSDID & SVID while doing the firmware download.
Storcli will have an d option to override this check.

ID: DCSG01483012 (Port Of EnhancementRequest DCSG01475599)

Headline: ESXCLI Plugin support with DSDK migration

Description Of Change: Currently, CLI does not support ESXCLI plugins for currently present CLI commands which is mandatory for ESXi 8.0 platforms.

Migrating to ESXCLI plugin model is mandatory starting ESXi8.0 OS because of the security policy enhancement in ESXi8.0.
Once the security policy is enhanced in ESXi8.0, Direct execution of the CLI utility will be blocked by ESXi 8.0 OS.

This implementation covers:
Migration of ESXi8.0 toolchain for CLI from NDDK to DSDK.
Conversion of CLI commands to corresponding ESXCLI plugins.
Certification requirements for ESXCLI plugins implemented via DSDK.

DSDK toolchain migration:

Currently, CLI is built with NDDK and HEXDK. As part of ESXCLI plugin support, CLI will be built with DSDK 8.0.
This would require changes in the build scripts and makefiles to use the DSDK 8.0 toolchain and environment.

ESXCLI Plugin support:

Each of the CLI command will be converted into the corresponding ESXCLI plugin. Users can only execute the ESXCLI plugin starting ESXi 8.0 and cannot run the StorCLI utility directly.

Certification changes:

Aligning the ESXCLI plugin support to the required signing changes to be done. This requires changes in how the directory structure will be staged during VIB creation.

ReleaseOrder ID: DCSG01485956 [Open In CQWeb](#)

Headline: Unified StorCLI Phase 28 - StorCLI release order 007.2700.0000.0000

Release Version: 007.2700.0000.0000

UCM Project:

SAS35_StorCLI_7x

Sub UCM Project:

SAS35_StorCLI_7_27_PH28

UCM Stream:

Release Type:

Pre-Alpha-1

State:

Released

Release Baseline:

Rel-SAS35_StorCLI_7_27_PH28-Pre-Alpha-1-007.2700.0000.0000-2023-05-03-19-22-55

Release Date:

2023-05-03 10:30:00.000000

Date Generated:

Oct 06, 2023

Enhancements Implemented (1):

ID: DCSG01421205

Headline: add PERST control mechanism for NVMe Physical Disks

Description Of Change: Added the PCIe PERST settings commands.

PCIe PERST settings:
To set/show the PCIe PERST settings on controller,

PERST Override should be updated as below.
1)PERST should be asserted.
2)PERST should be Deasserted.
3)PERST should be no override.