

Aptio AMISCE 5.04 Release Notes

Aptio AMISCE Release Notes

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Document Change History

Date	Revision	Description
2009-10-07	1.00	Initial draft
2009-10-23	1.01	Update Requirement and Add Notes section
2010-08-26	1.04	Added UEFI 2.1 support, support for SMIVariable modifications for extracting database in pieces.
2010-11-03	1.05	Updated for release 2.00.1020
2011-07-26	1.06	Updated according to document standards.
2011-04-10	1.07	Release 2.01.1030
2012-10-15	1.08	Output a comment for checkbox controls. Fix proble with checksum output on raw script
2013-08-05	1.09	Updated for release 2.02.1044
2013-09-26	1.10	Updated for release 2.03.1047
2013-10-11	1.11	Updated for release 5.00.1048
2014-01-02	1.12	Updated supported OS list
2014-05-16	1.13	Updated for release 5.00.1059
2014-08-06	1.14	Updated for release 5.00.1068
2014-10-01	1.15	Updated feature list with new features for v5.01
2016-02-08	1.16	Updated version history for v5.01.1073
2016-02-08	1.16	Updated for release 5.02.1092 Updated for release 5.02.1097
2016-06-06	1.17	Updated for release 5.03.1102
2017-02-06	1.10	Updated for release 5.03.1107
2017-02-00	1.19	Updated for release 5.03.1107
2017-04-04	1.21	Updated for release 5.03.1111
2018-02-07	1.22	Updated copyright information
2018-06-07	1.23	Updated for release 5.03.1115
2018-10-04	1.24	Updated for release 5.03.1113
2018-12-17	1.25	Updated for release 5.03.1125
2019-08-02	1.27	Updated for release 5.03.1129
2019-08-16	1.28	Updated for release 5.03.1130 windows only
2019-08-30	1.29	Updated for release 5.03.1131 for Windows, Efi, EfiArm and LnxArm
2019-09-16	1.30	Updated for release 5.03.1132 Linux only
2019-11-28	1.31	Updated for release 5.04.1136
2020-01-08	1.32	Updated known issue in EFI v5.04.1136
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WINDOWS

Release

V5.04.1136
 11-28-2019

Deliverables

- SCEWIN.EXE
- SCEWIN 64.EXE
- Amifldrv32.sys
- Amifldrv64.sys
- AMI_Aptio_5.x_SCE_User_Guide_NDA.pdf
- AMI_Aptio_SCE_Release_Notes_NDA.pdf

Features

The following features are supported:

- Generates Setup Question script with relevant information for modification by user.
- NVRAM values can be updated based on modifications to Setup Question script file.
- Ability to modify the defaults for the Setup Question controls.
- Verbose mode for detailed generation of the script file.
- Reads NVRAM variables and HII database from BIOS at run time to create files that can be used as input to a setup emulation program. The NVRAM script file may be edited as text. Implemented for Windows.
- Loads the NVRAM script file created above and updates NVRAM.
- Command line operation.
- Optional user password check
- APTIOV support
- Supports mapping language.
- Provision to specify mapping language.
- Supports expression evaluation.
- Supports blocking of migration.
- Unlocks protected variable update with administrator password.
- Support to change user/admin password
- Supports suppression of duplicate questions.
- Support to export only questions whose value is different from default.



- Aptio V BIOS Identification.
- Get SMI port from ACPI table
- Support to change question values from command line.
- Support for PLDM export and import.
- Support for efivarstore type variables.
- Support for negative numbers as values for controls.
- Support to hide banner.
- Support to read single question value from command line.
- Support to identify suppressed and grayedout forms and controls in script file.
- SMM communication support.
- Support to indicate system modification by AMISCE.
- Support to reboot and shutdown after system modification.
- Date/Time control support.
- Support to read default values in single question export.
- Support to update/create NVRAM variable data from comand line.
- Support for providing user and admin password in file.
- Shows help string of setup questions in script file.
- Support for wildcard Smbios string.
- Supports expression evaluation for options.
- Support for Order list control export and import.

Supported Operating Systems

The AMISCE is supported by the following operating systems:

- Microsoft® Windows® 7
- Microsoft® Windows® PE
- Microsoft® Windows® Server 2012 R2
- Microsoft® Windows® 8
- Microsoft® Windows® 8.1
- Microsoft® Windows® 10
- Microsoft® Windows® Server 2016



Note: Starting from Microsoft Windows® 7 in all the windows Operating System the Application requires Administrator privileges to be executed. The command box from which SCE is run must have been launched using "Run As Administrator".

Compatibility

- Requires "SmiVariable" eModule support to be provided by EFI BIOS. The module can be found at:
 Aptio V: \$/AptioV/Source/Modules/SmiVariable labeled SmiVariable_04 or later
 Aptio 4: \$/Alaska/BIN/Modules/SmiVariable labeled 4.6.3_SmiVariable_1.2 or later.
- For update of default values to be effective, the TSE module must be labeled 4.6.2_TSE_2_02_1205_BETA or later (for Aptio4) and AMITSE_2_20_1270 or later (for AptioV).
- The password feature requires the OFBD driver module.
- Requires 'AmiSetupNvLock' BIOS module for NVRAM variable update protection. The module can be found at: Aptio V: \$/AptioV/Source/Modules/AMISetupNvLock labeled AmiSetupNvLock_4 or later
 - Aptio 4: \$/Alaska/SOURCE/Modules/AMISetupNvLock labeled 4.6.2_AmiSetupNvLock_1_02 or later
- If present, TSE token RT_ACCESS_SUPPORT_IN_HPKTOOL must be enabled.
- Bios version check requires:
 - ACPI label 'ACPI_17' or later for Aptio V.
 - ACPI label '4.6.5.0 ACPI 48' or later for Aptio 4.
- For export and import of question values from command line and PLDM support, the Aptio firmware should have the mapping language support enabled. The default mapping language is x-AMI in Core 5.12 or below and x-UEFI-AMI in Core 5.13 or above. To enable the mapping language, add the language code to RFC LANGUAGES token.

Known Issues

- Cpwd feature has an issue with SmiVariable_04 module
- With SmiVariable_05, Rawmode export and import will not work properly.

Limitations

- Minimum / maximum values of a numeric control are not exported to the script file.
- Questions with the same help string name are considered to be ambiguous on UEFI 2.0 BIOS.
- Questions which depends on runtime service access variable only can support expression evaluation.



Version History

SCE WIN

Ver 5.04.1136 11/28/2019

New Features

- Order list control support in SCE. (EIP 496294)
- Expression evaluation support for Order list. (EIP 505743)
- Order list control support in pldm. (EIP 500565)

Issues Fixed

SCELNX crashes after disabling AmiSetupNVlock setup question.(EIP - 501882)

Ver 5.03.1131 08/30/2019

New Features

- Need to analyze about support to provide warning for controls which need system reset based on reset_required flag. (EIP - 476729)
- SCE helpstring support and check box value validation. (EIP 472304)

Ver 5.03.1130 08/16/2019

New Features

With the latest driver SCE needs to be prepared BQA submission. (EIP - 490757)

Ver 5.03.1129 08/02/2019

New Features

Added support for wildcard Smbios string. (EIP - 483555)

Ver 5.03.1125 12/17/2018

New Features

- SCE need to support BIN file directly as a password format. (EIP 441672)
- Form "Network Stack Configuration" is not shown in SCE dump with UefiNetworkStack_27. (EIP -434661)

Ver 5.03.1123 10/04/2018

New Features

Date/Time control support. (EIP - 364015)



- Support for exporting single question default value. (EIP 353737)
- Command line option to update/create new NVRAM variable in SCE. (EIP 411146)
- Add support for single question update when mapping language is duplicated for the same storage location. (EIP - 423308)

Ver 5.03.1115 06/07/2018

New Features

- SCE completed flag. (EIP 404656)
- Need to Add Reboot/Shutdown switch in SCE. (EIP 408091)

Ver 5.03.1111 05/29/2017

Issues Fixed

 Grayout and Suppress setup items in Runtime Error Logging page display abnormally in SCE dumped file. (EIP – 324479)

Ver 5.03.1109 04/04/2017

Issues Fixed

 Upgrade AMISCE Windows to work if driver allocated memory address is greater than 4GB. (EIP – 325058)

Ver 5.03.1107 02/06/2017

New Features

SMM communication algorithm needs to be modified in SCE for windows (EIP – 310679)

Ver 5.03.1102 12/26/2016

- Negative number input support for SCE utility. (EIP 256676)
- Option to hide banner in SCE. (EIP 291217)
- Support to read single question from command line. (EIP 286488)
- SCE needs to handle default mapping language x-AMI and x-UEFI-AMI the same. (EIP 278203)
- PLDM: Support to specify mapping language. (EIP 278991)
- Introduce a new switch with SCE tool, which can output grayout and suppress items in one dumped file. (EIP - 288280)
- Suppressed form's all control should be in commented out format with /ce switch. (EIP 292718)



Issues Fixed

- SCELNX-Modify setup item fail if setup item string include "®". (EIP 260987)
- Some item will not be filter out properly when using SCE /g command in shell. (EIP 283721)

Ver 5.02.1097 06/06/2016

New Features

- Provide efivarstore type variable support in AMISCE (EIP-264084)
- Improve expression evaluation logic (in OS version) to evaluate nested expressions even if parent expression fails to evaluate. (EIP 253128)

Ver 5.02.1092 08/02/2016

New Features

- Change question value from command line (EIP: 234918)
- Support for PLDM export and import (EIP: 190945, 241871, 243898)
- Function request for disabling boot options via SCE tool. (EIP 235175)

Issues Fixed

- Typographical error (EIP 236384)
- Windows and Linux version SCE tool still dump hidden options when using parameter /v /g /sp (EIP 225595)
- Warning during import is not suppressed by the /q flag. (EIP 246565)
- Tool SCELNX_64 cannot dump successful with command /g /sp in UEFI RHEL 7.1 OS. (EIP 223189)

Ver 5.01.1073 10/01/2014

- Enhanced export mode: Comment out duplicate questions. (EIP 169273)
- Get the SMI port number from ACPI table and use that in SCE (EIP 132634)
- Migration mode: Only export questions whose value is different from the default (EIP 168203)
- Change user/admin password for BIOS setup (EIP 171710)
- Provision to specify mapping language (EIP 147195)



Ver 5.00.1068 08/06/2014

Issues Fixed

 AMISCE cuts off one-of option value when data width greater than 2 bytes. Also current setting '*' is missing. (EIP 178800)

Ver 5.00.1059 05/16/2014

New Features

- Admin password to unlock variable access (EIP 168125)
- Suppress output of questions with blank or empty names. If /lang presenst suppress output of questions without x-AMI string.(EIP 154739)
- Block SCE execution on non Aptio V platforms' (EIP 121820)

Issues Fixed

AMISCE gives syntax error during script file import on Sugarbay platform - EIP 167123

Ver 5.00.1048 10/07/2013

Release for AptioV

Ver 2.03.1047 09/26/2013

Issues Fixed

QA reported issues fixed.

Ver 2.02.1044 08/05/2013

- APTIOV support
- Improve handling of duplicated or unmatched questions
- Output subtitles as comments to SCE scripts
- SCE work with mapping language
- Support management of migration feature including blocking migration via command line switch
- Add support for question evaluation to SCE
- Add command option to SCE to control export/import of boot order controls
- Substitute variable inside StdDefaults when a variable for a formset is missing
- Support for /sp command for suppress if opcode and /g command for grayout.
- Support for suppressing forms and submenu items



Issues Fixed

- Aptio V SCE_WIN64 crushed during retrieving data from an AptioV BIOS EIP95126
- SCEWIN not work under Win8 EIP95654
- AMISCE does not properly handle 32 and 64 bit numeric control nor can it properly limit check signed numeric controls. – EIP 100678
- SCEWIN utility tool can't work 96822
- SCE boot option question overflows buffer and uses wrong case for hex digits when reading Bootnnnn variable – EIP 106102
- Some versions of SCE lose the % character in question names EIP 113274
- SCE question mismatch when prompt has trailing space EIP 118838
- SCE tool is not updating the boot order properly EIP 113459

Ver 2.01.1030

04/10/2012

New Features

- Add /ds and /dm command line switch to load defaults from control value.
- Add '/q' command line switch to suppress warning messages.
- AMISCE to work with security update to SMIVariable
- Add password feature.
- Implement string controls.

Issues Fixed

- Fix Controls with extreme number of options cause SCE to not list all options.
- Fix in parser error and warning messages.
- Fix failure to show options under nested suppressif..
- Prevent corruption of LegacyBootOrder variable
- Fix failure to report success on raw import when final variable is read-only.
- Allow raw import to change size of variable data.
- Fix Controls with extreme number of options cause SCE to not list all options.
- Fix failure to get strings when system language not English.
- Fix language control in exported script.
- Add checks for invalid options. Previously invalid values were accepted.



Ver 2.00.1020 11/3/2010

New Features

- Added support to UEFI 2.1 in both 32 and 64 bit
- Added Standard (BIOS) / Manufacturing defaults update feature

Issues Fixed

• SCEWin 32 bit can't work with some memory - EIP 46612

Ver 2.00.1004

Ver 2.00.0002 5/17/2010

• Initial release.

Notes:

AMISCE expects scripts in the format as specified by the specification. White space and Empty Lines at the start of the script is not allowed.



Linux

Release

V5.04.1136
 11-28-2019

Deliverables

- SCELNX_32
- SCELNX 64
- AMI_Aptio_SCE_User_Guide_NDA.pdf
- AMI_Aptio_SCE_Release_Notes_NDA.pdf

Component Versions

Below is a list of the version numbers of the components that make up this release.

SCELNX_32 5.04.1136SCELNX 64 5.04.1136

Features

The following features are supported:

- Generates Setup Question script with relevant information for modification by user.
- NVRAM values can be updated based on modifications to Setup Question script file.
- Ability to modify the defaults for the Setup Question controls.
- Verbose mode for detailed generation of the script file.
- Reads NVRAM variables and HII database from BIOS at run time to create files that can be used as input to a setup emulation program. The NVRAM script file may be edited as text. Implemented for Windows.
- Loads the NVRAM script file created above and updates NVRAM.
- Command line operation.
- Supports UEFI 2.0 and UEFI 2.1 BIOSes or later.
- Optional user password check
- APTIOV Support
- Supports to specify multiple mapping language.
- Supports blocking of migration.



- Supports expression evaluation.
- Unlocks protected variable update with administrator password.
- Support to change user/admin password
- Supports suppression of duplicate questions.
- Support to export only questions whose value is different from default.
- Aptio V BIOS Identification.
- Get SMI port from ACPI table
- Support to change question values from command line.
- Support for PLDM export and import.
- Support on secure boot enabled systems (RHEL 7.2).
- Support for efivarstore type variables.
- Support for negative numbers as values for controls.
- Support to hide banner.
- Support to read single question value from command line.
- Support to identify suppressed and grayedout forms and controls in script file.
- SMM Communication Support
- Support to indicate system modification by AMISCE.
- Support to reboot and shutdown after system modification.
- Date/Time control support.
- Support to read default values in single question export.
- Support to update/create NVRAM variable data from comand line.
- Support for providing user and admin password in file.
- Shows help string of setup questions in script file.
- Support for wildcard Smbios string.
- Supports expression evaluation for options.
- Support for Order list control export and import.

Supported Operating Systems

The AMISCE is supported by the following operating systems:

Linux



Pre-Requisites:

- 1. Log in Linux as root otherwise use sudo (if permitted).
- 2. The compiler suite (gcc, make, libelf-dev) must be installed. If these packages are not installed, the driver CANNOT be built.
- 3. For most of the distributions, SCE will generate driver without any notification, If it doesn't exist you need to install kernel sources. Also Initmem fails. Please follow point 4.
- 4. Kernel sources must be installed, *CONFIGURED*, and then compiled. Following are steps to do this:
 - 4.1 Find Running Kernel's Configuration File:

To configure the sources, simply change to the kernel source directory (typically /lib/modules/\$(uname -r)/build). If it doesn't exist, you need to install kernel source. Typically, the reference configuration for the kernel can be found in the /boot directory with filename '.config', 'kernel.config', or 'vmlinux-2.4.18-3.config'. Type 'uname -a' and use the configuration filename that best matches the output from 'uname -a'. Also, check for /dev/mem directory existence. If it doesn't exist, you need to install kernel sources. Normally it comes with the installation unless if the option is deselected.

On some distributions Red Hat for instance, there is a config directory under /lib/modules/\$(uname - r)/build.

Copy this configuration file into the root of the linux kernel source tree (usually it is /lib/modules/\$(uname -r)/build). This file must be renamed to ".config"(dot config).

REFERENCES

Linux Loadable Kernel Module HOWTO http://www.linux.org/docs/ldp/howto/Module-HOWTO/index.html

Compatibility

- Requires "SmiVariable" eModule support to be provided by EFI BIOS. The module can be found at: Aptio V: \$/AptioV/Source/Modules/SmiVariable labeled SmiVariable_04 or later Aptio 4: \$/Alaska/BIN/Modules/SmiVariable labeled 4.6.3_SmiVariable_1.2 or later.
- For update of default values to be effective, the TSE module must be labeled 4.6.2_TSE_2_02_1205_BETA or later (for Aptio4) and AMITSE_2_20_1270 or later (for AptioV).
- The password feature requires the OFBD driver module.
- Requires 'AmiSetupNvLock' BIOS module for NVRAM variable update protection. The module can be found at:
 - Aptio V: \$/AptioV/Source/Modules/AMISetupNVLock labeled AmiSetupNvLock_4 or later Aptio 4: \$/Alaska/SOURCE/Modules/AMISetupNvLock labeled 4.6.2_AmiSetupNvLock_1_02 or later
- If present, TSE tokens RT_ACCESS_SUPPORT_IN_HPKTOOL and RT ACCESS FOR EFIVARSTORE must be enabled.



- Xen support requires RuntimeMemoryHole support. If Sce Driver is already present then user needs to delete it first and then run AmiSce.
- Bios version check requires:

ACPI label 'ACPI_17' or later for Aptio V.

ACPI label '4.6.5.0 ACPI 48' or later for Aptio 4.

- For update of question values from command line and PLDM support, the Aptio firmware should have the mapping language support enabled. The default mapping language is x-AMI. To enable the mapping language, add the language code to RFC_LANGUAGES token.
- All versions of SCE will be able to run in kernel versions up to 4.12. But only newer versions starting from 5.03.1113 will run in kernel versions 4.13 and later.

Known Issues

- Cpwd feature has an issue with SmiVariable 04 module
- With SmiVariable_05, Rawmode export and import will not work properly.

Limitations

- Minimum / maximum values of a numeric control are not exported to the script file.
- Questions with the same help string name are considered to be ambiguous on UEFI 2.0 BIOS.
- Expression evaluation can only be done if nvram variables will have runtime service access.
- 5.03.1127 version's driver name (amiscedrv_mod.o) differs from other version drivers (amifldrv_mod.o). So, user will not be able to use the latest version's signed driver for 5.03.1127 executable and vice-versa.

Version History

SCELNX 32 & SCELNX 64

Ver 5.04.1136

11/28/2019

New Features

- Order list control support in SCE. (EIP 496294)
- Expression evaluation support for Order list. (EIP 505743)
- Order list control support in pldm. (EIP 500565)

Issues Fixed

SCELNX crashes after disabling AmiSetupNVlock setup question.(EIP - 501882)



Ver 5.03.1132 09/16/2019

New Features

- Need to analyze about support to provide warning for controls which need system reset based on reset_required flag. (EIP - 476729)
- SCE helpstring support and check box value validation. (EIP 472304)

Issues Fixed

SCELNX 64 remove error message in RHEL7.2 without GCC environment. (EIP – 483155)

Ver 5.03.1129 08/02/2019

New Features

Added support for wildcard Smbios string. (EIP - 483555)

Ver 5.03.1127 20/03/2019

New Features

Support to work using WSMT memory when kernel sources are missing. (EIP - 454333)

Issues Fixed

SCELNX_64 fails with locked down linux kernel. (EIP – 451017)

Ver 5.03.1125 17/12/2018

New Features

- SCE need to support BIN file directly as a password format. (EIP 441672)
- Form "Network Stack Configuration" is not shown in SCE dump with UefiNetworkStack_27.
 (EIP 434661)

Issues Fixed

SCELNX can't work on embedded Linux(busybox) environment. (EIP – 441525)

Ver 5.03.1123 04/10/2018

- Date/Time control support. (EIP 364015)
- Support for exporting single question default value. (EIP 353737)
- Command line option to update/create new NVRAM variable in SCE. (EIP 411146)
- Add support for single question update when mapping language is duplicated for the same storage location. (EIP - 423308)



Ver 5.03.1115 07/06/2018

New Features

- SCE completed flag. (EIP 404656)
- Need to Add Reboot/Shutdown switch in SCE. (EIP 408091)

Ver 5.03.1114 30/03/2018

New Features

Modified SCE to prefer existing driver over using RuntimeMemoryHole. (EIP – 398938)

Ver 5.03.1113 31/10/2017

Issues Fixed

SceLnx64 cannot build on Linux kernel version 4.13. (EIP – 369927)

Ver 5.03.1111 29/05/2017

Issues Fixed

 Grayout and Suppress setup items in Runtime Error Logging page display abnormally in SCE dumped file. (EIP – 324479)

Ver 5.03.1106 01/02/2017

New Features

• SMM Communication algorithm needs to be modified in SCE for Linux (EIP 310750)

Ver 5.03.1100 17/11/2016

- [AMISCE] Improve expression evaluation logic (in OS version) to evaluate nested expressions even if parent expression fails to evaluate. (EIP 253128)
- Negative number input support for SCE utility. (EIP 256676)
- Option to hide banner in SCE. (EIP 291217)
- Support to read single question from command line. (EIP 286488)
- SCE needs to handle default mapping language x-AMI and x-UEFI-AMI the same. (EIP -278203)
- PLDM: Support to specify mapping language. (EIP 278991)



- Introduce a new switch with SCE tool, which can output grayout and suppress items in one dumped file. (EIP - 288280)
- Suppressed form's all control should be in commented out format with /ce switch. (EIP -292718)
- SCE Utility tries to create/modify variables in Linux that it cannot. (EIP 271655)

Issues Fixed

- SCELNX-Modify setup item fail if setup item string include "®". (EIP 260987)
- (JP0037-245) Question about SCE Linux on Secure Boot enable. (EIP 258411)
- Some item will not be filter out properly when using SCE /g command in shell. (EIP -283721)

Ver 5.02.1097

06/01/2016

New Features

- Provide efivarstore type variable support in AMISCE (EIP-264084)
- Update Linux flash driver to work on secure boot enabled systems (RHEL 7). (EIP 258411).
- Improve expression evaluation logic (in OS version) to evaluate nested expressions even if parent expression fails to evaluate. (EIP 253128)

Issues Fixed

SCELNX-Modify setup item fail if setup item string include "®" (EIP – 260987)

Ver 5.02.1092

01/12/2016

New Features

- Change question value from command line (EIP: 234918)
- Support for PLDM export and import (EIP: 190945, 241871, 243898)
- Function request for disabling boot options via SCE tool. (EIP 235175)

Issues Fixed

- Typographical error (EIP 236384)
- Windows and Linux version SCE tool still dump hidden options when using parameter /v /g /sp (EIP 225595)
- Warning during import is not suppressed by the /q flag. (EIP 246565)



Ver 5.01.1081 08/25/2015

Issues Fixed

 Tool SCELNX_64 cannot dump successful with command /g /sp in UEFI RHEL 7.1 OS. (EIP 223189)

Ver 5.01.1073 09/24/2014

New Features

- Enhanced export mode: Comment out duplicate questions. (EIP 169273)
- Get the SMI port number from ACPI table and use that in SCE (EIP 132634)
- Migration mode: Only export questions whose value is different from the default (EIP 168203)
- Change user/admin password for BIOS setup (EIP 171710)
- Provision to specify mapping language (EIP 147195)

Ver 5.00.1068 08/06/2014

Issues Fixed

• AMISCE cuts off one-of option value when data width greater than 2 bytes. Also current setting '*' is missing. (EIP 178800)

Ver 5.00.1059 05/16/2014

New Features

- Admin password to unlock variable access. (EIP 168125)
- Suppress output of questions with blank or empty names. If /lang presenst suppress output of questions without x-AMI string.(EIP 154739)
- Block SCE execution on non Aptio V platforms' (EIP 121820)

Issues Fixed

- AMISCE gives syntax error during script file import on Sugarbay platform EIP 167123
- Linux only. Driver gives success message when kernel header sources not available. (EIP 140526)

Ver 5.00.1053 12/10/2013

- Add command option to SCE to control export/import of boot order controls
- Substitute variable inside StdDefaults when a variable for a formset is missing
- Support management of migration feature including blocking migration via command line switch



- SCE work with mapping language
- Add support for question evaluation to SCE
- · Support for Suppressing Forms added.
- Support for Suppressing Submenu items in Forms added.
- Support for /sp command for suppress if opcode and /g command for grayout .

Issues Fixed

- SCE question mismatch when prompt has trailing space EIP 118838
- SCE tool is not updating the boot order properly EIP 113459

Ver 2.02.1040 03/05/2013

New Features

- Output subtitles as comments to SCE scripts EIP 112604
- SCE: add comment to checkbox value indicating enabled/disabled values
- APTIOV support
- Improve handling of duplicated or unmatched questions
- Support to generate permanent copy of driver for SCELNX

Issues Fixed

- Some versions of SCE lose the % character in question names EIP 113274
- SCE boot option question overflows buffer and uses wrong case for hex digits when reading Bootnnnn variable – EIP 106102
- Overlapping strcpy fails with new version of glibc on Linux. This causes mismatch of question prompts with leading spaces.
- SCE RAW Export command generates invalid NVRAM file EIP103911
- AMISCE does not properly handle 32 and 64 bit numeric control nor can it properly limit check signed numeric controls. – EIP 100678
- Aptio V SCE_WIN64 crushed during retrieving data from an AptioV BIOS EIP95126
- Import crashing in Windows864bit OS EIP96182
- SCEWIN not work under Win8 EIP95654



Ver 2.01.1030

04/11/2012

New Features

- OFBD module password check support
- Implement string controls
- Support opeation on Linux domain 0 under XEN (requres RuntimeMemoryHole driver in BIOS).
- Allow raw import to change size of variable data.
- Add checks for invalid options. Previously invalid values were accepted.
- AMISCE to work with security update to SMIVariable

Issues Fixed

- Prevent corruption of LegacyBootOrder variable
- Fix failure to report success on raw import when final variable is read-only.
- SCE does not show all the options in a oneof control if it has embedded suppressif statements (UEFI 2.1).
- SCE attempts to load Linux driver twice.
- Fix failure to get strings when system language not English
- Fix Controls with extreme number of options cause SCE to not list all options
- Fix language control in exported script.

Ver 2.00.1027

12/01/2010

Issues Fixed

- Extreme number of options in control could cause buffer overrun.
- SCE crash for variables longer than 20 characters.
- Add '/q' option to suppress warning messages.

Ver 2.00.1001

08/16/2010

Initial Version

Platforms Tested:

- HunterCave UEFI 2.0&2.1 for 32 bit and 64 bit Ver 2.00.1022
- TomCove UEFI 2.0 & 2.1 for 32 bit and 64 bit



OS Version Tested:

- UBUNTU 18.04 with kernel 4.18.0-13-generic
- OS: RHEL Server 7.7 (kernel version 3.10.0-1062.e17.x86_x64)



EFI

Release

V5.04.1136 11-28-2019

Deliverables

- SceEfi.efi
- SceEfi64.efi
- AMI Aptio 5.x SCE User Guide NDA.pdf
- AMI_Aptio_SCE_Release_Notes_NDA.pdf

Component Versions

Below is a list of the version numbers of the components that make up this release.

SceEfi.efi Version 5.04.1136
 SceEfi64.efi Version 5.04.1136

Features

The following features are supported:

- Generates Setup Question script with relevant information for modification by user.
- NVRAM values can be updated based on modifications to Setup Question script file.
- Ability to modify the defaults for the Setup Question controls.
- Verbose mode for detailed generation of the script file.
- Reads NVRAM variables and HII database from BIOS at run time to create files that can be used as input to a setup emulation program. The NVRAM script file may be edited as text. Implemented for Windows.
- Loads the NVRAM script file created above and updates NVRAM.
- Optional user password.
- Command line operation.
- Supports mapping language.
- Supports expression evaluation.
- Supports blocking of migration.
- Unlocks protected variable update with administrator password.
- Support to change user/admin password



- Supports suppression of duplicate questions.
- Support to export only questions whose value is different from default.
- Aptio V BIOS Identification.
- · Get SMI port from ACPI table
- Support to change question values from command line.
- Support for PLDM export and import.
- Support for efivarstore type variables.
- Support for negative numbers as values for controls.
- Support to hide banner.
- Support to read single question value from command line.
- Support to identify suppressed and grayedout forms and controls in script file.
- Removed dependancy of SmiVariable module.
- SMM communication support.
- Support to indicate system modification by AMISCE.
- Support to reboot and shutdown after system modification.
- Date/Time control support.
- Support to read default values in single question export.
- Support to update/create NVRAM variable data from comand line.
- Support for providing user and admin password in file.
- Shows help string of setup questions in script file.
- Support for wildcard Smbios string.
- Supports expression evaluation for options.
- Support for Order list control export and import.

Supported Operating Systems

The AMISCE is supported by the following operating systems:

Both 32 and 64 bit EFI Shell.



Compatibility

- Requires "SmiVariable" eModule support to be provided by EFI BIOS. The module can be found at:
 Aptio V: \$/AptioV/Source/Modules/SmiVariable labeled SmiVariable_04 or later
 Aptio 4: \$/Alaska/BIN/Modules/SmiVariable labeled 4.6.3_SmiVariable_1.2 or later.
- For update of default values to be effective, the TSE module must be labeled 4.6.2_TSE_2_02_1205_BETA or later (for Aptio4) and AMITSE_2_20_1270 or later (for AptioV).
- The password feature requires the OFBD driver module.
- Requires 'AmiSetupNvLock' BIOS module for NVRAM variable update protection. The module can be found at: Aptio V: \$/AptioV/Source/Modules/AMISetupNvLock labeled AmiSetupNvLock_4 or later
 - Aptio 4: \$/Alaska/SOURCE/Modules/AMISetupNvLock labeled 4.6.2_AmiSetupNvLock_1_02 or later
- If present, TSE tokens RT_ACCESS_SUPPORT_IN_HPKTOOL and RT_ACCESS_FOR_EFIVARSTORE must be enabled.
- Bios version check requires:

ACPI label 'ACPI_17' or later for Aptio V.

ACPI label '4.6.5.0 ACPI 48' or later for Aptio 4.

- For update of question values from command line and PLDM support, the Aptio firmware should have the mapping language support enabled. The default mapping language is x-AMI. To enable the mapping language, add the language code to RFC_LANGUAGES token.

Known Issues

- Cpwd feature has an issue with SmiVariable 04 module
- With SmiVariable 05, Rawmode export and import will not work properly.
- 5.04.1136 version doesn't prompt for OFBD password during import operation.

Limitations

- Minimum / maximum values of a numeric control are not exported to the script file.
- Questions with the same help name are considered to be ambiguous on UEFI 2.0 BIOS.

Version History

SCE EFI

Ver 5.04.1136 11/28/2019

New Features

Order list control support in SCE. (EIP – 496294)



- Expression evaluation support for Order list. (EIP 505743)
- Order list control support in pldm. (EIP 500565)

Issues Fixed

SCELNX crashes after disabling AmiSetupNVlock setup question. (EIP - 501882)

Ver 5.03.1131 08/30/2019

New Features

- Need to analyze about support to provide warning for controls which need system reset based on reset_required flag. (EIP - 476729)
- SCE helpstring support and check box value validation. (EIP 472304)

Ver 5.03.1129 08/02/2019

New Features

Added support for wildcard Smbios string. (EIP - 483555)

Ver 5.03.1125 17/12/2018

New Features

- SCE need to support BIN file directly as a password format. (EIP 441672)
- Form "Network Stack Configuration" is not shown in SCE dump with UefiNetworkStack_27. (EIP -434661)

Ver 5.03.1123 04/10/2018

New Features

- Date/Time control support. (EIP 364015)
- Support for exporting single question default value. (EIP 353737)
- Command line option to update/create new NVRAM variable in SCE. (EIP 411146)
- Add support for single question update when mapping language is duplicated for the same storage location. (EIP - 423308)

Ver 5.03.1115 06/07/2018

- SCE completed flag. (EIP 404656)
- Need to Add Reboot/Shutdown switch in SCE. (EIP 408091)



Issues Fixed

With latest TSE test driver, SCE Advanced mode is not working. (EIP - 407744)

Ver 5.03.1111 29/05/2017

Issues Fixed

- Grayout and Suppress setup items in Runtime Error Logging page display abnormally in SCE dumped file. (EIP – 324479)
- The limitation of SCEEFI generates files in root directory instead of the current working directory when path is not mentioned and executed from UEFI: Built-in-EFI Shell. (EIP – 332188)

Ver 5.03.1108 02/07/2017

New Features

• SMM communication algorithm needs to be modified in SCE (EIP - 309194)

Ver 5.03.1101 12/08/2016

New Features

- Negative number input support for SCE utility. (EIP 256676)
- Option to hide banner in SCE. (EIP 291217)
- Support to read single question from command line. (EIP 286488)
- SCE needs to handle default mapping language x-AMI and x-UEFI-AMI the same. (EIP 278203)
- PLDM: Support to specify mapping language. (EIP 278991)
- Introduce a new switch with SCE tool, which can output grayout and suppress items in one dumped file. (EIP 288280)
- Suppressed form's all control should be in commented out format with /ce switch. (EIP 292718)
- SCE needs to avoid using Hiidb NVRAmVariable, get the data using HII protocols. (EIP 281375)

Issues Fixed

- SCELNX-Modify setup item fail if setup item string include "®". (EIP 260987)
- Some item will not be filter out properly when using SCE /g command in shell. (EIP 283721)

Ver 5.02.1097 06/09/2016

- Provide efivarstore type variable support in AMISCE (EIP-264084)
- Improve expression evaluation logic (in OS version) to evaluate nested expressions even if parent expression fails to evaluate. (EIP 253128)



Ver 5.02.1092 02/17/2016

New Features

- Change question value from command line (EIP: 234918)
- Support for PLDM export and import (EIP: 190945, 241871, 243898)
- Function request for disabling boot options via SCE tool. (EIP 235175)

Issues Fixed

- Typographical error (EIP 236384)
- Windows and Linux version SCE tool still dump hidden options when using parameter /v /g /sp (EIP 225595)
- Warning during import is not suppressed by the /q flag. (EIP 246565)
- Tool SCELNX_64 cannot dump successful with command /g /sp in UEFI RHEL 7.1 OS. (EIP 223189)

Ver 5.01.1073 10/09/2014

New Features

- Enhanced export mode: Comment out duplicate questions. (EIP 169273)
- Get the SMI port number from ACPI table and use that in SCE (EIP 132634)
- Migration mode: Only export questions whose value is different from the default (EIP 168203)
- Change user/admin password for BIOS setup (EIP 171710)
- Provision to specify mapping language (EIP 147195)

Ver 5.00.1068 08/06/2014

Issues Fixed

• AMISCE cuts off one-of option value when data width greater than 2 bytes. Also current setting '*' is missing. (EIP 178800)

Ver 5.00.1059 05/16/2014

- Admin password to unlock variable access. (EIP 168125)
- Suppress output of questions with blank or empty names. If /lang presenst suppress output of questions without x-AMI string (EIP 154739)
- Block SCE execution on non Aptio V platforms' (EIP 121820)



Issues Fixed

AMISCE gives syntax error during script file import on Sugarbay platform. (EIP 167123)

Ver 5.00.1050 10/29/2013

New Features

- Add command option to SCE to control export/import of boot order controls EIP 118512
- Substitute variable inside StdDefaults when a variable for a formset is missing
- Support management of migration feature including blocking migration via command line switch EIP 125433
- SCE work with mapping language EIP 126273
- Add support for question evaluation to SCE EIP 125431 Support for Suppressing Forms added.
- Add support for question evaluation to SCE EIP 125431 Support for Suppressing Submenuitems in Forms added.
- Add support for question evaluation to SCE EIP 125431 Support for /sp command for suppress if opcode and /g command for grayout.
- Expression Evaluation support for AMISCE Efi EIP 132790.

Issues Fixed

SCE question mismatch when prompt has trailing space – EIP 118838

Ver 2.02.1039 02/21/2013

New Features

- Output subtitles as comments to SCE scripts EIP 112604
- APTIOV support
- Improve handling of duplicated or unmatched questions EIP92631
- Add comment to checkbox value indicating enabled/disabled values EIP103690

Issues Fixed

- Output language code in script instead of trying to render full language name EIP 114981
- Some versions of SCE lose the % character in question names EIP 113274
- AMISCE does not properly handle 32 and 64 bit numeric control nor can it properly limit check signed numeric controls. – EIP 100678
- SCE boot option question overflows buffer and uses wrong case for hex digits when reading Bootnnnn variable EIP 106102
- SCE RAW Export command generates invalid NVRAM file EIP103911



Ver 2.01.1030 04/18/2012

New Features

OFBD module password checking.

- Implement string controls.
- Add checks for invalid options. Previously invalid values were accepted.
- Allow raw variable import to change the size of a variable.
- AMISCE to work with security update to SMIVariable.

Issues Fixed

- Prevent corruption of LegacyBootOrder variable.
- Fix failure to report success on raw export when final variable is read-only.
- SCE does not show all options of oneof control if it has embedded suppressif statements (UEFI 2.1).
- Fix failure to get strings when system language is not English.
- Fix controls with extreme number of options cause SCE to not list all options.
- Fix language control in exported script.
- Fix file open failure with assert message from open.c.

Ver 2.00.1027 03/18/2011

Issues Fixed

- Control with extreme number of options could cause buffer overflow.
- SCE would not run properly under DUET bootable EFI shell.
- Fixes the inability to read scripts with DOS line terminators.
- This caused all the lines of the script to be ignored after editing with DOS edit.

New Features

Quiet mode (/q) added to suppress warning messages.

Ver 2.00.1010 9/09/2010

Initial test version

Ver 5.01.1073 10/08/2014

- Enhanced export mode: Comment out duplicate questions. (EIP 169273)
- Get the SMI port number from ACPI table and use that in SCE (EIP 132634)



- Migration mode: Only export questions whose value is different from the default (EIP 168203)
- Change user/admin password for BIOS setup (EIP 171710)

Ver 2.02.1039 02/21/2013

New Features

- Output subtitles as comments to SCE scripts EIP 112604
- APTIOV support
- Improve handling of duplicated or unmatched questions EIP92631
- Add comment to checkbox value indicating enabled/disabled values EIP103690

Issues Fixed

- Output language code in script instead of trying to render full language name EIP 114981
- Some versions of SCE lose the % character in question names EIP 113274
- AMISCE does not properly handle 32 and 64 bit numeric control nor can it properly limit check signed numeric controls. – EIP 100678
- SCE boot option question overflows buffer and uses wrong case for hex digits when reading Bootnnnn variable EIP 106102
- SCE RAW Export command generates invalid NVRAM file EIP103911
- Output language code in script instead of trying to render full language name EIP 114981
- BIOS Strings being updated in SUBTITLES but not TITLES in SCE EIP 114822, EIP 114790
- SCE exported language control shows English twice. Fails to output '*' for selected chinese dialect.
 EIP 114785

Ver 2.01.1030 04/18/2012

New Features

- OFBD module password checking.
- Implement string controls.
- Add checks for invalid options. Previously invalid values were accepted.
- Allow raw variable import to change the size of a variable.
- AMISCE to work with security update to SMIVariable.

Issues Fixed

- Prevent corruption of LegacyBootOrder variable.
- Fix failure to report success on raw export when final variable is read-only.
- SCE does not show all options of oneof control if it has embedded suppressif statements (UEFI 2.1).



- Fix failure to get strings when system language is not English.
- Fix controls with extreme number of options cause SCE to not list all options.
- Fix language control in exported script.
- Fix file open failure with assert message from open.c.

Ver 2.00.1027 03/18/2011

New Features

• Quiet mode (/q) added to suppress warning messages.

Ver 2.00.1009 9/09/2010

Initial test version

Notes:

AMISCE expects scripts in the format as specified by the specification. White space and Empty Lines at the start of the script is not allowed.



LNXARM

Release

V5.04.1136
 11-28-2019

Deliverables

- SceLnxArm
- AMI_Aptio_5.x_SCE_User_Guide_NDA.pdf
- AMI_Aptio_SCE_Release_Notes_NDA.pdf

Component Versions

Below is a list of the version numbers of the components that make up this release.

• SceLnxArm 5.04.1136

Features

The following features are supported:

- Generates Setup Question script with relevant information for modification by user.
- NVRAM values can be updated based on modifications to Setup Question script file.
- Ability to modify the defaults for the Setup Question controls.
- Verbose mode for detailed generation of the script file.
- Reads NVRAM variables and HII database from BIOS at run time to create files that can be used as input to a setup emulation program. The NVRAM script file may be edited as text. Implemented for Windows.
- Loads the NVRAM script file created above and updates NVRAM.
- Command line operation.
- Supports UEFI 2.1 BIOS or later.
- Optional user password check
- APTIOV Support
- Supports mapping language.
- Supports blocking of migration.
- Supports expression evaluation.
- Unlocks protected variable update with administrator password.
- Support to change user/admin password



- Supports suppression of duplicate questions.
- Support to export only questions whose value is different from default.
- Aptio V BIOS Identification.
- Support to change question values from command line.
- Support for PLDM export and import.
- AFRI interface replacement for SSI.
- Support on secure boot enabled systems
- Support for efivarstore type variables
- Support for negative numbers as values for controls
- Support to hide banner
- Support to read single question value from command line.
- Support to identify suppressed and grayedout forms and controls in script file.
- SMM Communication Support
- Support to indicate system modification by AMISCE.
- Support to reboot and shutdown after system modification.
- Support to create and Update new Variable from command line
- Support to create Utility Indication variable to indicate variable modification by AMISCE
- Support for providing user and admin password in file.
- Shows help string of setup questions in script file.
- · Support for wildcard Smbios string.
- Supports expression evaluation for options.
- Support for Order list control export and import.

Supported Operating Systems

The AMISCE is supported by the following operating systems:

Redhat Linux, Centos and APM X-Gene Linux for ARM.

Pre-Requisites:

Compatibility

- Requires UEFI BIOS with "SceHiiInterface" eModule label SceHiiInterface_01 or later.
- Requires AfriVariable module.



- Requires AFRI module label AFRI_01 or later.
- Password feature requires 'AmiSetupNvLock' BIOS module for NVRAM variable update protection.
 The module can be found at:

Aptio V: \$/AptioV/Source/Modules/AMISetupNVLock labeled AmiSetupNvLock_4 or later

If present, TSE token RT_ACCESS_SUPPORT_IN_HPKTOOL must be enabled. You must have superuser privilege to import or update variables.

Limitations

- X-Gene Linux supports legacy UEFI variable interface only so variables access is limited to 1024 bytes of data.
- Some Linux versions for ARM processor fail to publish FIDT in acpi directory so user must add "/d" to command line.
- Minimum / maximum values of a numeric control are not exported to the script file
- Expression evaluation can only be done if NVRAM variables will have runtime service access. Questions with value stored in unaccessable variables will not be output to the script.

Version History

SceLnxArm

Ver 5.04.1136 11/28/2019

Issues Fixed

SCELNX crashes after disabling AmiSetupNVlock setup question. (EIP – 501882)

New Features

- Order list control support in SCE . (EIP 496294)
- Expression evaluation support for Order list. (EIP 505743)
- Order list control support in pldm. (EIP 500565)

Ver 5.03.1131 08/30/2019

- Need to analyze about support to provide warning for controls which need system reset based on reset_required flag. (EIP - 476729)
- SCE helpstring support and check box value validation. (EIP 472304)
- Added support for wildcard Smbios string. (EIP 483555)



Ver 5.03.1125 17/12/2018

New Features

- SCE need to support BIN file directly as a password format. (EIP 441672)
- Form "Network Stack Configuration" is not shown in SCE dump with UefiNetworkStack_27.
 (EIP 434661)

Ver 5.03.1121 06/09/2018

New Features

- SCE completed flag. (EIP 404656)
- Need to Add Reboot/Shutdown switch in SCE. (EIP 408091)
- Modified SCE to prefer existing driver over using RuntimeMemoryHole. (EIP 398938)
- Implementation of SMBIOS Locking in SCE(EIP 409021).
- Command line option to update/create new NVRam variable in SCE(EIP 411146)
- Option to hide banner in SCE. (EIP 291217)
- Negative number input support for SCE utility. (EIP 256676)
- Support to read single question from command line. (EIP 286488)
- Option to hide banner in SCE. (EIP 291217)
- SCE needs to handle default mapping language x-AMI and x-UEFI-AMI the same. (EIP -278203)
- Introduce a new switch with SCE tool , which can output grayout and suppress items in one dumped file. (EIP 288280)
- Suppressed form's all control should be in commented out format with /ce switch. (EIP -292718)
- Date/Time control support. (EIP 364015)
- Support for exporting single question default value. (EIP 353737)

Ver 5.02.1094 06/12/2017

Issues Fixed

- [REF-46700] in Skylake '5.11_VEB_1ASOH033' BIOS, 'VR Config Enable' setup question is not suppressed in PLDM script which is exported with /sp switch.(EIP 271361)
- SCE not work in Redhat 7.3.(EIP 348471)
- AMISCE Utility throws "Error:FAILS TO GET IMMUTABLE FLAG" when validated in Cent OS 7.3. (EIP 360229)
- SceLnxArm failed to export NVRAM. (EIP 325288)
- Typographical error (EIP 236384)



- Windows and Linux version SCE tool still dump hidden options when using parameter /v /g /sp (EIP 225595)
- Warning during import is not suppressed by the /q flag. (EIP 246565)
- EIP 228818 CRC32 value not correct.
- EIP 228818 Variable Write always returned success. As a result password always appeared to be accepted.

New Features

- SCE needs to handle default mapping language x-AMI and x-UEFI-AMI the same. (EIP 278203)
- AFRI runtime access replaces SSI. Note: This version is not backward compatible with a BIOS with SSI.
- Change question value from command line (EIP: 234918)
- Support for PLDM export and import (EIP: 190945, 241871, 243898)
- Function request for disabling boot options via SCE tool. (EIP 235175)

Ver 5.01.1075

01/22/2015

New Features

Support for Linux running on AARCH64 ARM CPU.

Platforms Tested:

Mustang

OS Version Tested:

RedHat Preview Release for ARM release 1.3

Applied Micro x-Gene



EFIARM

Release

V5.04.1136
 11-28-2019

Deliverables

- SceEfiArm
- AMI_Aptio_SCE_User_Guide_NDA.pdf
- AMI_Aptio_SCE_Release_Notes_NDA.pdf

Component Versions

Below is a list of the version numbers of the components that make up this release.

SceEfiArm 5.04.1136

Features

The following features are supported:

- Generates Setup Question script with relevant information for modification by user.
- NVRAM values can be updated based on modifications to Setup Question script file.
- Ability to modify the defaults for the Setup Question controls.
- Verbose mode for detailed generation of the script file.
- Reads NVRAM variables and HII database from BIOS at run time to create files that can be used as input to a setup emulation program. The NVRAM script file may be edited as text. Implemented for Windows.
- Loads the NVRAM script file created above and updates NVRAM.
- Command line operation.
- Supports UEFI 2.0 and UEFI 2.1 BIOSes or later.
- Optional user password check
- APTIOV Support
- Supports mapping language.
- Supports blocking of migration.
- Supports expression evaluation.



- Unlocks protected variable update with administrator password.
- Support to change user/admin password
- Passwords may be entered as scan codes.
- Supports suppression of duplicate questions.
- Support to export only questions whose value is different from default.
- Aptio V BIOS Identification.
- Get SMI port from ACPI table
- Support to change question values from command line.
- Support for PLDM export and import.
- Support for efivarstore type variables.
- Support for negative numbers as values for controls.
- Support to hide banner.
- Support to read single question value from command line.
- Support to identify suppressed and grayedout forms and controls in script file.
- Removed dependancy of SmiVariable module.
- SMM communication support.
- Support to indicate system modification by AMISCE.
- Support to reboot and shutdown after system modification.
- Support to create and Update new Variable from command line
- Support to create Utility Indication variable to indicate variable modification by AMISCE
- Support for providing user and admin password in file.
- Shows help string of setup questions in script file.
- Support for wildcard Smbios string.
- Supports expression evaluation for options.
- Support for Order list control export and import.

Supported Operating Systems

The AMISCE is supported by the following operating systems:

UEFI Shell for ARM.

Pre-Requisites:



Compatibility

- Requires "SceHiiInterface" eModule support to be provided by UEFI BIOS. Label SceHiiInterface_01 or later.
- Requires AfriVariable module for raw variable export.
- Requires AFRI module label AFRI_01 or later.
- Password feature requires 'AmiSetupNvLock' BIOS module for NVRAM variable update protection.
 The module can be found at:

Aptio V: \$/AptioV/Source/Modules/AMISetupNVLock labeled AmiSetupNvLock_4 or later

If present, TSE token RT ACCESS SUPPORT IN HPKTOOL must be enabled.

Limitations

- Minimum / maximum values of a numeric control are not exported to the script file.
- Expression evaluation can only be done if nvram variables will have runtime service access.

Version History

SceEfiArm

Ver 5.04.1136 11/28/2019

Issues Fixed

SCELNX Crashes after disabling AmiSetupNVlock setup question. (EIP - 501882)

New Features

- Order list control support in SCE. (EIP 496294)
- Expression evaluation support for Order list. (EIP 505743)
- Order list control support in pldm. (EIP 500565)

Ver 5.03.1131 08/30/2019

- Need to analyze about support to provide warning for controls which need system reset based on reset_required flag. (EIP - 476729)
- SCE helpstring support and check box value validation. (EIP 472304)
- Added support for wildcard Smbios string. (EIP 483555)



Ver 5.03.1125 17/12/2018

New Features

- SCE need to support BIN file directly as a password format. (EIP 441672)
- Form "Network Stack Configuration" is not shown in SCE dump with UefiNetworkStack_27.
 (EIP 434661)

Ver 5.03.1121 06/09/2018

New Features

- SCE completed flag. (EIP 404656)
- Need to Add Reboot/Shutdown switch in SCE. (EIP 408091)
- Implementation of SMBIOS Locking in SCE(EIP 409021).
- Command line option to update/create new NVRam variable in SCE(EIP 411146)
- Option to hide banner in SCE. (EIP 291217)
- Negative number input support for SCE utility. (EIP 256676)
- Support to read single question from command line. (EIP 286488)
- Option to hide banner in SCE. (EIP 291217)
- SCE needs to handle default mapping language x-AMI and x-UEFI-AMI the same. (EIP -278203)
- Introduce a new switch with SCE tool, which can output grayout and suppress items in one dumped file. (EIP - 288280)
- Suppressed form's all control should be in commented out format with /ce switch. (EIP -292718)
- Date/Time control support
- Support for exporting single question default value

Ver 5.02.1092 02/08/2016

Issues Fixed

- Newline character in subtitle (with /v) causes import syntax error (EIP 236384)
- Windows and Linux version SCE tool sometimes dump hidden options when using parameter /v /g /sp (EIP 225595)
- Warning during import is not suppressed by the /q flag. (EIP 246565)

- AFRI runtime access replaces SSI. Note: This version is not backward compatible with a BIOS with SSI.
- Change question value from command line (EIP: 234918)



- Support for PLDM export and import (EIP: 190945, 241871, 243898)
- Function request for disabling boot options via SCE tool. (EIP 235175)

Ver 5.02.1081 07/23/2015

Issues Fixed

- EIP 228818 CRC32 value not correct.
- EIP 228818 Variable Write always returned success. As a result password always appeared to be accepted.

Ver 5.02.1077 06/01/2015

New Features

• Support for UEFI Shell running on AARCH64 ARM CPU.

Platforms Tested:

• Mustang label 5.014_Mustang_0ACDY_027

OS Version Tested:

UEFI Shell