Aptio AMISCE 5.01 Release Notes

Aptio AMISCE Release Notes (Windows Version)

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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 Updated version history for v5.01.1073

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Release

- V5.01.1073 01 Oct 2014

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

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Supported Operating Systems

The AMISCE is supported by the following operating systems:

- Microsoft® Windows® XP
- Microsoft® Windows® 2003
- Microsoft® Windows® Vista
- Microsoft® Windows® 7
- Microsoft® Windows® PE
- Microsoft® Windows® Server 2012 R2

Note: In Microsoft® Windows® 7 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 5.004_SmiVariable_00 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 5.004_AmiTse_13 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 5.004_AmiSetupNvLock_1_05 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_06' or later for Aptio V.

  ACPI label '4.6.5.0_ACPI_48' or later for Aptio 4.

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

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Ver 5.01.1073 10/01/2014

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

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

New Features

- APTIOV support
- Improve handling of duplicated or unmatched questions

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- 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.

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- 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.

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