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To all customers

Seiko Solutions Inc.

SmartCS modules for Ansible Version 1.7.0 Release Notes

Description

Version 1.7.0 (release date: 2025/2/5)

The following function extensions were added in Version 1.7.0.

1 Expand the support for the ansible-core 2.18 series

  Expand the support for the ansible-core 2.18 series in this version.
  The operating environment for the control node (PC which runs Ansible) is as follows.

SmartCS modules for Ansible	Control node environment	Managed nodes environment SmartCS system software Ver.	
	ansible	NS-2250 series	NS-2240 series
v1.7.0	ansible-core 2.16.x ansible-core 2.17.x ansible-core 2.18.x (>=2.16, < 2.19)	v2.1 and above	Not supported

2 Add the function to seiko.smartcs.smartcs_tty_command to send multiple control characters

  The option "__HEX__" has been added to send multiple control characters with "sendchar" option.
  Specify control characters "hex" separated by a space with the format "__HEX__: hex" in the Playbook.
  Up to 64 control characters "ASCII 00 to 7F" can be sent.

Version 1.6.0 (release date: 2024/6/30)

The following function extensions were added in Version 1.6.0.

1 Expand the support for the ansible-core 2.16 series

  Expand the support for the ansible-core 2.16 series in this version.
  The operating environment for the control node (PC which runs Ansible) is as follows.

SmartCS modules for Ansible	Control node environment	Managed nodes environment SmartCS system software Ver.	
	ansible	NS-2250 series	NS-2240 series
v1.6.0	ansible-core 2.14.x ansible-core 2.15.x ansible-core 2.16.x (>=2.14, < 2.17)	v2.1 and above	Not supported

Version 1.5.0 (release date: 2023/10/30)

The following function extensions were added in Version 1.5.0.

1 Expand the support for the ansible-core 2.13, 2.14 and 2.15 series

  Expand the support for the ansible-core 2.13, 2.14 and 2.15 series in this version.
  The operating environment for the control node (PC which runs Ansible) is as follows.

SmartCS modules for Ansible	Control node environment	Managed nodes environment SmartCS system software Ver.	
	ansible	NS-2250 series	NS-2240 series
v1.5.0	ansible-core 2.13.x ansible-core 2.14.x ansible-core 2.15.x (>=2.13, < 2.16)	v2.1 and above	Not supported

2 Add the information to seiko.smartcs.smartcs_facts

  The followings have been added as the information that can be collected with seiko.smartcs.smartcs_facts.

Name	Description	Trigger	Type
ansible_net_bootrom	SmartCS BootROM information	Always	Characters
ansible_net_bootconfig	SmartCS boot configration	Always	Characters
ansible_net_mainsystem	SmartCS version information of main system	Always	Characters
ansible_net_backupsystem	SmartCS version information of backup system	Always	Characters

Version 1.4.1 (release date: 2021/9/2)

The following function extensions and bug fixes were added in version 1.4.1.

1 Expand the support for the Ansible 2.9 series

  Expand the support for the Ansible 2.9 series in this version.
  The operating environment for the control node (PC which runs Ansible) is as follows.

<v1.3.0 and above>: provided as an Ansible Collections package.

SmartCS modules for Ansible	Control node environment	Managed nodes environment SmartCS system software ver.	
	Ansible	NS-2250 series	NS-2240 series
v1.3.0	2.10.x (>=2.10, < 2.11)	v2.1 and above	Not supported
v1.4.0	ansible 2.9.22 and above ansible-base 2.10.x ansible-core 2.11.x (>=2.9.22, < 2.12)		
v1.4.1	ansible 2.9.10 and above ansible-base 2.10.x ansible-core 2.11.x (>=2.9.10, < 2.12)		

  SmartCS modules for Ansible is available on the Ansible Galaxy site.
  https://galaxy.ansible.com/seiko/smartcs

2 Minor fixes

  - Fixed errors detected with the ansible-test sanity command.

Version 1.4.0 (release date: 2021/7/2)

The following function extensions and bug fixes were added in version 1.4.0.

1 Support for the Ansible 4 series (ansible-core 2.11 series) and the Ansible 2.9 series

   This version provides support for the Ansible 4 series (ansible-core 2.11 series) and the Ansible 2.9 series.
   The operating environment for the control node (PC which runs Ansible) is as follows.

<v1.3.0 and above>: provided as an Ansible Collections package.

SmartCS modules for Ansible	Control node environment		Managed nodes environment SmartCS system software ver.	
	Ansible		NS-2250 series	NS-2240 series
v1.3.0	2.10.x (>=2.10, < 2.11)		v2.1 and above	Not supported
v1.4.0	ansible 2.9.22 and above ansible-base 2.10.x ansible-core 2.11.x (>=2.9.22, < 2.12)			

   SmartCS modules for Ansible is available on the Ansible Galaxy site.
   https://galaxy.ansible.com/seiko/smartcs

2 Minor fixes

   - Fixed errors detected with the ansible-test sanity command.
   - Fixed errors in the document sections regarding README.md and some modules.

Version 1.3.0 (release date: 2021/4/9)

The following function extensions and bug fixes were added in version 1.3.0.

1 Support for the Ansible 2.10 system

  This version provides support for the Ansible 2.10 series.
  The operating environment for the control node (PC which runs Ansible) is as follows.

<v1.0 to v1.2>: provided as a SEIKO Solutions original package.

SmartCS modules for Ansible	Control node environment		Managed nodes environment SmartCS system software ver.	
	Ansible	Python	NS-2250 series	NS-2240 series
v1.0	2.7.7	2.7 and above	v2.0 and above	Not supported
v1.1 v1.1.1	2.8.4	3.6 and above	v2.1 and above	
v1.2	2.9.15	3.6.8	v2.1 and above	

<v1.3.0 and above>: provided as an Ansible Collections package.

SmartCS modules for Ansible	Control node environment		Managed nodes environment SmartCS system software ver.	
	Ansible-base	Python	NS-2250 series	NS-2240 series
v1.3.0	2.10.x (>=2.10, < 2.11)	3.6.8	v2.1 and above	Not supported

2 Support for Ansible Collections

  Support for Ansible Collections is now provided due to the support for the Ansible 2.10 series.
  SmartCS modules for Ansible can be obtained from Ansible Galaxy.
  The URL for the Ansible Galaxy site is shown below.
  https://galaxy.ansible.com/seiko/smartcs

3 Fixed the error which occurs when trying to use the smartcs_command to display the port log

    A bug was fixed to address the case in which an error occurs when executing the command to display the port log while using the smartcs_command module. This bug occurs in v1.2 and earlier modules.

Version 1.2 (release date: 2021/1/21)

The following function extensions and bug fixes were added in version 1.2.

1 Support for the Ansible 2.9 series

  This version provides support for the Ansible 2.9 series.
  The operating environment for the control node (PC which runs Ansible) is as follows.

SmartCS modules for Ansible	Control node environment		Managed nodes environment SmartCS system software ver.	
	Ansible	Python	NS-2250 series	NS-2240 Series
v1.0	2.7.7	2.7 and above	v2.0 and above	Not supported
v1.1 v1.1.1	2.8.4	3.6 and above	v2.1 and above	
v1.2	2.9.15	3.6.8	v2.1 and above	

2 Addressing the smartcs_facts module bugs

  2.1 Addressing the bug that occurs when specifying "tty" in the gather_subset option

    The bug in which the tty information could not be obtained when specifying "tty" in the gather_subset option with a combination of the NS-2250 system software, v2.1, and v2.2 was addressed.

  2.2 Addressing the bug in which the interface information cannot be properly obtained

    The bug in which the proper value could not be obtained for the following return values when an IPv4 address was not configured on the NS-2250 was addressed.
        - ansible_net_bond1
        - ansible_net_eth1
        - ansible_net_eth2

Version 1.1.1 (release date: 2021/1/21)

The following bug fixes were added in version 1.1.1.

1 Addressing the smartcs_facts module bugs

  1.1 Addressing the bug when specifying "tty" in the gather_subset option

    The bug in which the tty information could not be obtained when specifying "tty" in the gather_subset option with a combination of the NS-2250 system software, v2.1, and v2.2 was addressed.

  1.2 Addressing the bug in which the interface information cannot be properly obtained

    The bug in which the proper value could not be obtained for the following return values when an IPv4 address was not configured on the NS-2250 was addressed.
- ansible_net_bond1
- ansible_net_eth1
- ansible_net_eth2

  SmartCS modules for Ansible v1.1.1 can be used in an Ansible 2.8 environment.

Version 1.1 (release date: 2019/10/18)

The following function extensions and bug fixes were added in version 1.1.

1 Support for the Ansible 2.8 series

  This version provides support for the Ansible 2.8 series.
  The operating environment for the control node (PC which runs Ansible) is as follows.

SmartCS modules for Ansible	Item	Configuration
V1.0	Python	2.7 and above 3.6 and above
	Ansible	Ansible 2.7.7
V1.1	Python	2.7 and above 3.6 and above
	Ansible	Ansible 2.8.4

2 smartcs_tty_command function extension and bug fix

  2.1 Addition of an option to specify the sent characters with an external file

    An src option was added to specify the path to a file which lists the characters to send to
the target tty.
    This option cannot be used together with the sendchar option.

  2.2 Extension of the sent characters that can be specified with sendchar

    The types of characters that can be specified with sendchar option have been extended to be
able to send the following characters.
      -9 types of visual characters
        !(0x21) "(0x22) #(0x23) <(0x3c) >(0x3e) ?(0x3f) [(0x5b) ¥(0x5c)](0x5d)
      -33 types of control characters
        [Ctrl-@](0x00) to [Ctrl-_](0x1f) and DELETE(0x7f)

  2.3 Addition of a function for checking the console status before sending the characters

    A function was added to check whether the consoles of the managed nodes are in the expected
    state (login prompt state, etc.) before sending the characters to the managed nodes.
    The check processing runs before sending the characters by specifying the expected characters
    ("Login: " etc.) in the initial_prompt option.

Furthermore, it outputs the following return value when this function is enabled and the characters are successfully sent.

・pre_stdout
Represents the return value of the characters sent and received by the console within the check processing before sending the characters to the managed nodes.
・pre_stdout_lines
Represents a list separated by each line feed character for the characters sent and received by the console within the check processing before sending the characters to the managed nodes.

2.4 Addition of a function to output a customized return value

In addition to the existing stdout and stdout_lines return values, a function was added which outputs the sent characters and received characters in an easily identifiable format.
It outputs the following return value when the custom_response option is enabled and the characters are successfully sent.

・stdout_lines_custom
Represents a list in a format which separates between the sent characters (execute_command) and the received characters (response) for the characters sent and received by the console.

2.5 Addressing a sendchar related bugs

・Addressing the bug in which sendchar would not function normally when multiple serial ports are specified
The bug in which the characters are not properly sent on the specified second and subsequent serial ports (serial ports 2 through 10 when "tty: 1-10" is specified) when multiple serial ports are specified in the tty option and the __WAIT__ or __NOWAIT__ options are specified in the sendchar option was addressed.

・Addressing the bug in which sendchar would not function normally when sending only numbers
The bug in which sendchar would not function normally when using the sendchar option to send only numbers not enclosed within quotation marks was addressed.

3 Addressing the bug in which the Playbook would not function normally

The bug in which the Playbook would not function normally when the NS-2250 is running on the backup system was addressed.

4 Addressing the bug in which the ansible-doc command results in an error

   The bug in which an error would occur when specifying "smartcs_tty_command" as an option in the ansible-doc command, which outputs the help for each module, was addressed.