Dell Command | Configure

Version 4.2 Command Line Interface Reference Guide

Notes, cautions, and warnings

NOTE: A NOTE indicates important information that helps you make better use of your product.

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

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1

Introduction to Dell Command | Configure 4.2

Dell Command | Configure is a packaged software application that provides configuration capability to business client platforms. This product consists of a Command Line Interface (CLI) and Graphical User Interface (GUI) to configure various BIOS features. Dell Command | Configure supports following Windows and Linux operating systems: Windows 7, Windows 8, Windows 8.1, and Windows 10, Windows Preinstallation Environment (Windows PE), Red Hat Enterprise Linux 6, Red Hat Enterprise Linux 7, Ubuntu Desktop 16.04, and Ubuntu Core 16.

NOTE: Dell Command | Configure was formerly Dell Client Configuration Toolkit (CCTK). After the CCTK version 2.2.1, CCTK is rebranded as Dell Command | Configure .

Topics:

What's new in this release

The new features for this release include:

- Updated attribute names and possible values

  NOTE: To view the complete list of the new and the older names.

  - Go to **Dell Knowledge Library** and search for Dell Command | Configure page using the **Search box** at the top-right corner of the page.
  - On the Dell Command | Configure page, click **Reference list for updated names of attributes and possible values**.
- Support for the following new BIOS attributes:
  - `--FingerprintReader`
  - `--FingerprintReaderSingleSignOn`
  - `--SgxLaunchControl`
  - `--PowerOnLidOpen`
  - `--AmtCap`
  - `--PowerUsageMode`
  - `--Absolute`
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- `-IoModule2`
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- `--FanSpdAutoLvlonFlexBayZone`

Supported systems and operating systems

For the list of business client systems and operating systems supported, see the *Release Notes* available in the Dell Command | Configure installation files or at **dell.com/dellclientcommandsuitemanuals** .

For the list of business client systems and operating systems supported, see the *Release Notes* available in the Dell Command | Configure installation files.

Other documents you may need

In addition to this guide, you can access the following guides available at **dell.com/dellclientcommandsuitemanuals**.

In addition to this guide, you can access the following guides:

- The *Dell Command | Configure Installation Guide* provides information about installing Dell Command | Configure on supported client systems. The guide is available as part of the Dell Command | Configure download.
- The *Dell Command | Configure Command Line Interface Reference Guide* provides information about configuring the BIOS options on supported Dell client systems.

Additionally, the *Release Notes* file, which is available as part of the Dell Command | Configure download and at **dell.com/dellclientcommandsuitemanuals**, provides the latest available information for the installation and operation of Dell Command | Configure .

2

Using command line interface for Dell Command | Configure 4.2

This chapter provides a general overview of the Command Line Interface (CLI) utility. It explains how to run the commands and the syntax details of the command line options that are used to configure BIOS settings for client systems.

Topics:

Running Dell Command | Configure commands

You can run the Dell Command | Configure commands in two ways:

- Using the command prompt.

  For more information, see Using the command prompt.
- Using a bootable image.

  For more information, see Using a bootable image.

Using the command prompt

To run Dell Command | Configure commands:

1 Click **Start** > **All Program** > **Dell** > **Command Configure** > **Dell Command Configure Command Prompt**.

> **NOTE: If you are using a system running the Microsoft Windows 7 operating system or later, right-click Dell Command Configure Command Prompt, and select Run as administrator.**

2 Run the Dell Command | Configure commands.

For more details on Dell Command | Configure commands, see Dell Command | Configure options.

Using a bootable image

To run Dell Command | Configure commands:

1 Copy Dell Command | Configure with the International Organization for Standardization (ISO) image to a Compact disc (CD). For more information, see *Dell Command | Configure Installation Guide* available at **dell.com/dellclientcommandsuitemanuals**.

2 Copy Dell Command | Configure with the International Organization for Standardization (ISO) image to a Compact disc (CD). For more information, see *Dell Command | Configure Installation Guide* .

3 Boot the system that you want to configure from the CD.

4 Run the Dell Command | Configure commands. For more details on Dell Command | Configure commands, see Dell Command | Configure options.

Command syntax overview

Syntax refers to the way a command and its parameters are entered. Command Line Interface (CLI) commands can be arranged in any order in a command line instance as long as they conform to the basic command line syntax.

Command line syntax

The general usage models of the Dell Command | Configure utilities are as follows:

```
CCTK --option1=[arg1]
```

or

```
cctk --option1=[arg1]...--optionX=[argX]
```

NOTE: Some of the options in Dell Command | Configure are followed by an asterisk. You can use such options only for reporting purposes and cannot use the reporting options with set options.

The following table lists the generic command line characters and arguments present in the command line options with a short description of these characters.

Table 1. Command line characters and arguments

Element	Description
-	Prefix single-character options.
--	Prefix multi-character options.
utilname	Indicates the generic designation for a Dell Command | Configure utility name.
-o	Indicates the generic single-character designation for an option.
optionX	Indicates the generic multi-character designation for a utility name, where you can use X to distinguish multiple options used in the same command line instance.
argX	Indicates the generic designation for an argument, where you can use X to distinguish multiple arguments used in the same command line instance.
[mandatory option]	Indicates the generic designation for a mandatory argument.
<string>	Indicates the generic designation for a string.
<filename>	Indicates the generic designation for a filename.
[ ]	Indicates a component of the command line. Enter only the information within the brackets and exclude the brackets.
...	Indicates that the previous argument can be repeated several times in a command. Enter only the information within the ellipses and exclude the ellipses.

|	Separates mutually exclusive choices in a syntax line. For example:
	`numlock: Turns the keyboard number lock on or off.`
	`Arguments: on+ | off+`
	`Enter only one choice: --numlock=on, --numlock= off`

Case sensitivity

Command line options and user-defined arguments are case insensitive. Unless specified otherwise, enter all commands, options, arguments, and command line switches in lowercase letters.

Command line option delimiter

The following table lists some examples of valid and invalid Dell Command | Configure command line options.

Windows path:

- For 32-bit systems — **C:\Programfiles (x86)\Dell\Command Configure\X86**
- For 64-bit systems — **C:\Programfiles (x86)\Dell\Command Configure\X86_64**

Linux path:**/opt/dell/dcc/**

Table 2. Valid and invalid command line options for systems running Windows

Valid or Invalid	Dell Command | Configure Command Line	Example
valid	`cctk --option1 --option2`	`cctk --asset --mem`
invalid	`cctk --option1=[argument] --option2 --option3`	`cctk --asset=1750 --floppy --biosromsize`

valid	`cctk -o=filename --option1 --option2`
	or
	`cctk -o filename --option1 --option2`
		`cctk -o=/tmp/myfile.txt --mem --sysname`
		or
		`cctk -o /tmp/myfile.txt --mem --sysname`

valid	`cctk -l=filename--option1 --option2`
	or
	`cctk -l filename --option1 --option2`
		`cctk -l=/tmp/myfile.txt--mem --sysname`
		or
		`cctk -l /tmp/myfile.txt--mem --sysname`

invalid	`cctk -i=filename --option1 --option2`
	or
	`cctk -i filename --option1 --option2`
		`cctk -i=/tmp/myfile.txt --mem --sysname`
		or
		`cctk -i /tmp/myfile.txt --mem --sysname`

valid	`cctk --option=argument`	`cctk --embnic1=on`

Table 3. Examples of command line options for systems running Linux

Dell Command | Configure Command Line	Example
`./cctk --option=argument`	`./cctk --numlock=enable`

Read and write options

You cannot combine the options that specify read and write actions in a command line instance. The following table provides examples for read and write commands.

Table 4. Read and write options

Valid or Invalid	Example
valid	`cctk --option1 --option2`
valid	`cctk --option1=arg --option2=arg` **NOTE: You have to provide the setup password, if it is already set on the system.**
invalid	`cctk --option1=arg --option2`

File input and output commands

Specify the input file using the `-i=<filename>` command, where `<filename>` is the name of the input file. Specify the output file input using the `– o=<filename>` command, where `<filename>` is the name of the output file.

LogFile

The `-l=<filename> or --logfile=<filename>` option records information output on the command line to the specified log file.

If the log file already exists, information is appended to the file. This allows multiple tools to use the same log file to record information. Use this option to record the output of a utility.

The log duplicates all standard output and error information to the specified file. Each log file begins with a time stamp and utility name. For example:

```
YYYY/MM/DD HH:MM:SS <utilname> - <output text>
```

The following is an example of the logging behavior:

```
2010/05/16 10:23:17 cctk - option1= on
2010/05/16 10:23:17 cctk - option2= on
2010/05/16 10:23:17 cctk - option3= off
```

Error checking and error messages

The Dell Command | Configure utilities check your commands for correct syntax when you enter them. Unrecognized or invalid options and arguments result in a usage error message that displays the Dell Command | Configure utility name, version, and the list of Dell Command | Configure options.

3

Options for Dell Command | Configure 4.2

This chapter provides an overview of the Dell Command | Configure options. It describes the general and BIOS options to configure settings for the client systems.

Dell Command | Configure options can be divided into:

- General options — Applicable to all systems.
- BIOS options — Applicable only if the BIOS of the system supports.

NOTE: If you are running Dell Command | Configure commands on systems running Windows 7 or later, run the commands with the administrator rights. Running the command displays a pop-up window where you can enter the administrator ID and password.

NOTE: If you run Dell Command | Configure commands on systems running Windows 7 or later without administrator rights, the following error message is displayed: `'admin/root' privileges required to execute this application.`

Topics:

General options

The following are the general options of Dell Command | Configure .

NOTE: Some of the options in Dell Command | Configure are followed by an asterisk. These options do not accept any suboptions or arguments. The values associated with these options are reported by the Basic Input Output System (BIOS). You cannot modify these values.

-H or --Help

Table 5. -H or --Help

Attribute Details	Description
Valid Argument	none or *<valid option name>* Without an argument, this option displays general usage information for the utility. If the argument matches a valid option, the usage information of the option is displayed. If the option has arguments, the arguments are displayed, separated by a | character. If the argument is supported on the system, a **+** symbol is displayed with the argument. If the option has suboptions, all suboptions, valid arguments, and a description are listed. If the argument does not match a valid option, a usage error is given (and usage information is displayed).

Attribute Details	Description

Example	`C:\>cctk -H asfmode`
	
	`asfmode: Sets the asf (alert standard format)mode. DASH and ASF 2.0 set enables LOM to have DASH and ASF 2.0 functionality.`
	
	`Arguments: off+ | on+ | alertonly+`

-l or --Infile

Table 6. -l or --Infile

Attribute Details	Description
Valid Argument	*<filename>* Directs the Command Configure utility to take input from an INI file. The utility searches the file for a Command Configure heading identical to the utility name. An error is returned if the file or section is not found. If the section is found, each name/value pair is applied to the system. The names must match a valid option, and the arguments must be in the proper format for the option. If an option is not available on a system and it is specified in a file, the utility ignores the option. If any errors are found in the format of the names or values, that option is skipped. The remaining options are applied to the system. If this option is used with other function command options, they are applied in the order in which they appear on the command line, overriding any previous commands. In the INI file, **bootorder** is displayed as a list of devices with their short forms in the order they are assigned separated by commas. For example: `bootorder=legacytype,+pcmcia,+hdd.1,-floppy,+cdrom,-hdd.2,+nic.1,-hdd.3,+nic.2` A plus **(+)** symbol with the device name indicates that the device is enabled and a minus **(-)** symbol indicates that the device is disabled. You can enable or disable the devices by changing the symbol displayed with the device short name. These symbols are optional and if not present, the current status of the device is retained. **NOTE: If the operating system is booted in the Unified Extensible Firmware Interface (UEFI) mode, then the bootorder type is shown as UEFI type.** Change the boot order by changing the order of the list. You can also enter the device number instead of the device name. **NOTE: The bootorder option in the INI file is applied to a system based on its active boot list. If the INI file is generated from a system with the active boot list set as UEFI, and it is applied on a system with the active boot list set as Legacy, the boot order is set only on devices that are available in the system. It is recommended that you apply the INI file on a system with the same active boot list as of the system from where the INI file is generated.** **NOTE: If a feature is failing in the INI file, then the following error message is displayed "Importing ini file is failing for some features. For more information, check the log." The error code is 146.**
Example	`C:\>cctk -i <c:cctk> /filename.ini` **NOTE: For the systems running Ubuntu Core operating system, copy the file at var/snap/dcc/current, and run dcc.cctk -i /var/snap/dcc/current/<filename>.ini**

-l or --logfile

Table 7. -l or --logfile

Attribute Details	Description
Valid Argument	*<filename>* Logs the command line output to a time-stamped file. The utility either appends the information to an existing log file or creates a new file. The log file contains the same information as the standard output, plus timestamp information. Users should use this option instead of redirection for task diagnosis.
Example	`C:\>cctk -l <c:cctk> /logfile`

No Option

Table 8. No Option

Attribute Details	Description
Valid Argument	NA If an option is not given, the Dell Command | Configure utility outputs usage information. The usage information is displayed in the format shown below.

Example	`C:\>cctk`
	`Usage error.`
	`cctk Version 3.1.0 258 (Windows - Feb 25 2015,14:38:43)`
	`Copyright (c) 2014 Dell Inc.`
	`Usage: cctk --option[=argument]`
	`For more information about a particular command, use the option '-h' followed by the command name.`
	`Example: cctk -h --asset`

-O or --Outfile

Table 9. -O or --Outfile

Attribute Details	Description
Valid Argument	*<filename>* Writes all BIOS options, that you can replicate to the BIOS of another system, to the specified filename. The file name you specify should have INI extension and should be created in the default installation directory. The format of the output is in an INI format, with the utility name as the section header. If a file with the same name already exists, the information is appended to the file. If this option is used with other function commands, the commands are applied in the order in which they appear. This option captures replicable BIOS options. The file is created in the directory where you run the Dell Command | Configure command. In the INI file, **bootorder** is displayed as a list of comma separated device short forms in the order they are assigned. A plus **(+)** symbol with the device name indicates that the device is enabled and a minus **(-)** symbol indicates that the device is disabled. You can change the boot order by changing the order of the list. You can also enter the device number instead of the device name.

Attribute Details	Description
	You can enable or disable the devices by changing the symbol displayed with the device. These symbols are optional and if not present, the current status of the device is retained. **NOTE: The bootorder option in the INI file is applied to a system based on its active boot list. If the INI file is generated from a system with the active boot list set as UEFI, and it is applied on a system with the active boot list set as legacy, the boot order is set only on devices that are available in the system. It is recommended that you apply the INI file on a system with the same active boot list as of the system from where the INI file is generated.**
Example	`C:\>cctk -o <c:/cctk>/filename.ini` **NOTE: For the systems running Ubuntu Core operating system, run dcc.cctk -o /var/snap/dcc/current/<filename>.ini**

--Propowntag

Table 10. --Propowntag

Attribute Details	Description
Valid Argument	NA Sets the Dell property ownership tag. If an option is not given, Dell Command | Configure reports the current property ownership tag. **NOTE: The maximum length of property ownership tag is 80 characters for desktops and 48 characters for laptop.**

--Version

Table 11. --Version

Attribute Details	Description
Valid Argument	Read-only Displays the version information, current time, and date for the utility. This is a read-only option.

BIOS options

The following list describes Dell Command | Configure options and arguments along with a description of their expected behavior. Options and arguments are case sensitive. All options and predefined arguments are lowercase unless stated otherwise.

NOTE: Some of the following options or arguments may not be available on all systems due to the BIOS version or hardware feature set. Entering Dell Command | Configure on a command line without arguments displays only those options that are valid for your system. For more details about the options, see No option.

NOTE: If you configure a setup password and system password for the system while changing a BIOS value, type the setup password.

--Absolute

Table 12. --Absolute

Attribute Details	Description
Valid Argument	Enabled, Disabled, and PermanentlyDisabled Sets the value to the Absolute interface and control the Absolute service using the following options: • **Enabled** - If enabled, then the Absolute service is activated or deactivated. • **Disabled** - If disabled, then the Absolute service does not run. • **PermanentlyDisabled** - If the Absolute interface is permanently disabled, then the Absolute feature can be enabled by using the factory reset feature.

--AcPwrRcvry

Table 13. --AcPwrRcvry

Attribute Details	Description
Valid Argument	off, last, on Sets the behavior of the system after Alternating Current (AC) power is lost. • **Off** — When AC power is restored, the system remains turned off. • **On** — When AC power is restored, the system turns on. • **Last** — When the AC power is restored, the system returns to the state it was in when the power was lost.

--ActivityLed

Table 14. --ActivityLed

Attribute Details	Description
Valid Argument	ActLed, Wlan, Disabled Sets the Network Activity Light Emitting Diode (LED) to any of the following: • **ActLed** — Sets the Activity LED controlled by an Advanced Configuration and Power Interface (ACPI) operating system and driver. • **Wlan** — Sets the Activity LED as a wireless Local Area Network (LAN) radio on/off indicator. • **Disabled** — Sets the Activity LED to off.

--AddDevice

Table 15. --AddDevice

Attribute Details	Description
Valid Argument	Usb Adds the specified device to the boot device list. At present, only the Universal Serial Bus (USB) storage device is supported. This option is not valid on all the systems. The USB storage device is added at the end of the boot order. If the USB storage device is already added in the boot order list, the following message is displayed while executing the option:`USB device is already present in this machine.` **NOTE: The AddDevice option is not supported on the systems with UEFI-based BIOS.**
Example	`C:\>cctk --AddDevice=Usb`

--AdiModeChannel1

Table 16. --AdiModeChannel1

Attribute Details	Description
Valid Argument	Unused, AdcInput, DacOutput, DacAndAdc, Gpio Sets the defined Analog/Digital Interface mode for channel 1. • **Unused** - Channel is unused. • **AdcInput** - Sets the channel mode as Analog-to-Digital Converter (ADC) input. • **DacOutput** - Sets the channel mode as Digital-to-Analog Converter (DAC) output. • **DacAndAdc** - Sets the channel mode as DAC output, but can be monitored through ADC input. • **Gpio** - Sets the channel mode as General Purpose Input or Output.

--AdiModeChannel2

Table 17. --AdiModeChannel2

Attribute Details	Description
Valid Argument	Unused, AdcInput, DacOutput, DacAndAdc, Gpio Sets the defined Analog/Digital Interface mode for channel 2. • **Unused** - Channel is unused. • **AdcInput** - Sets the channel mode as Analog-to-Digital Converter (ADC) input. • **DacOutput** - Sets the channel mode as Digital-to-Analog Converter (DAC) output. • **DacAndAdc** - Sets the channel mode as DAC output, but can be monitored through ADC input. • **Gpio** - Sets the channel mode as General Purpose Input or Output.

--AdiModeChannel3

Table 18. --AdiModeChannel3

Attribute Details	Description
Valid Argument	Unused, AdcInput, DacOutput, DacAndAdc, Gpio Sets the defined Analog/Digital Interface mode for channel 3. • **Unused** - Channel is unused. • **AdcInput** - Sets the channel mode as Analog-to-Digital Converter (ADC) input. • **DacOutput** - Sets the channel mode as Digital-to-Analog Converter (DAC) output. • **DacAndAdc** - Sets the channel mode as DAC output, but can be monitored through ADC input. • **Gpio** - Sets the channel mode as General Purpose Input or Output.

--AdiModeChannel4

Table 19. --AdiModeChannel4

Attribute Details	Description
Valid Argument	Unused, AdcInput, DacOutput, DacAndAdc, Gpio Sets the defined Analog/Digital Interface mode for channel 4. • **Unused** - Channel is unused. • **AdcInput** - Sets the channel mode as Analog-to-Digital Converter (ADC) input. • **DacOutput** - Sets the channel mode as Digital-to-Analog Converter (DAC) output. • **DacAndAdc** - Sets the channel mode as DAC output, but can be monitored through ADC input. • **Gpio** - Sets the channel mode as General Purpose Input or Output.

--AdiModeChannel5

Table 20. --AdiModeChannel5

Attribute Details	Description
Valid Argument	Unused, AdcInput, DacOutput, DacAndAdc, Gpio Sets the defined Analog/Digital Interface mode for channel 5. • **Unused** - Channel is unused. • **AdcInput** - Sets the channel mode as Analog-to-Digital Converter (ADC) input. • **DacOutput** - Sets the channel mode as Digital-to-Analog Converter (DAC) output. • **DacAndAdc** - Sets the channel mode as DAC output, but can be monitored through ADC input. • **Gpio** - Sets the channel mode as General Purpose Input or Output.

--AdiModeChannel6

Table 21. --AdiModeChannel6

Attribute Details	Description
Valid Argument	Unused, AdcInput, DacOutput, DacAndAdc, Gpio Sets the defined Analog/Digital Interface mode for channel 6. • **Unused** - Channel is unused. • **AdcInput** - Sets the channel mode as Analog-to-Digital Converter (ADC) input. • **DacOutput** - Sets the channel mode as Digital-to-Analog Converter (DAC) output. • **DacAndAdc** - Sets the channel mode as DAC output, but can be monitored through ADC input. • **Gpio** - Sets the channel mode as General Purpose Input or Output.

--AdiModeChannel7

Table 22. --AdiModeChannel7

Attribute Details	Description
Valid Argument	Unused, AdcInput, DacOutput, DacAndAdc, Gpio Sets the defined Analog/Digital Interface mode for channel 7. • **Unused** - Channel is unused. • **AdcInput** - Sets the channel mode as Analog-to-Digital Converter (ADC) input. • **DacOutput** - Sets the channel mode as Digital-to-Analog Converter (DAC) output. • **DacAndAdc** - Sets the channel mode as DAC output, but can be monitored through ADC input. • **Gpio** - Sets the channel mode as General Purpose Input or Output.

--AdiModeChannel8

Table 23. --AdiModeChannel8

Attribute Details	Description
Valid Argument	Unused, AdcInput, DacOutput, DacAndAdc, Gpio Sets the defined Analog/Digital Interface mode for channel 8. • Unused - Channel is unused. • AdcInput - Sets the channel mode as Analog-to-Digital Converter (ADC) input. • DacOutput - Sets the channel mode as Digital-to-Analog Converter (DAC) output. • DacAndAdc - Sets the channel mode as DAC output, but can be monitored through ADC input. • Gpio - Sets the channel mode as General Purpose Input or Output.

--AdjCachePrefetch

Table 24. --AdjCachePrefetch

Attribute details	Description
Valid Argument	Enabled, Disabled Enables or disables the adjacent cache line prefetch. • **Enabled** — The processor fetches the cache line containing the currently requested data, and pre-fetches the following cache line. • **Disabled** —The processor fetches only the cache line containing the currently requested data.

--AdminSetupLockout

Table 25. --AdminSetupLockout

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the admin setup lockout. • **Enabled** — If administrator password is set for the system, user can view the setup screens only after entering the correct administrator password. If administrator password is not set, user can view the setup screens. • **Disabled** — User can view the Setup screens without entering administrator password even if the administrator password is set in the system.

--AdvBatteryChargeCfg

Table 26. --AdvBatteryChargeCfg

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Advanced Battery charge mode. Advanced Battery charge mode uses standard charging algorithm and other methods during non-working hours to maximize battery health. During working hours, express charge is used to charge the batteries faster. You can configure the days and the time period during which the battery has to be charged. To enable advanced battery charging, provide the day, start time, and the duration of charging (peak usage duration). **NOTE: The value of hour must be in the range 00–23 and minute must be 00,15, 30, or 45.**

Example	To enable the advanced battery charging mode:
	`C:\>cctk --AdvBatteryChargeCfg=Enabled`
	`AdvBatteryChargeCfg=Enabled`
	To enable the advanced battery charging mode on specific days for a specific period:
	`C:\>cctk --AdvBatteryChargeCfg=Enabled,mon-10:00/08:00,tue-13:45/06:00`

Attribute Details	Description

	To disable the advanced battery charging mode:
	`C:\>cctk --AdvBatteryChargeCfg=Disabled`
	`AdvBatteryChargeCfg=Disabled`

--AgpApertureSize

Table 27. --AgpApertureSize

Attribute Details	Description
Valid Argument	8M, 16M, 32M, 64M, 128M, 256M Sets the Accelerated Graphics Port (AGP) aperture size of Peripheral Component Interconnect (PCI) address space. **NOTE: The Extended System Configuration Data (ESCD) must be cleared after the aperture size is changed.**

--AgpSlot

Table 28. --AgpSlot

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables on-board AGP slot.

--AlarmResume

Table 29. --AlarmResume

Attribute Details	Description
Valid Argument	Enabled, Disabled Allows the system to, or prevents the system from resuming from the suspended mode. • **Enabled** — System alarm resumes the system from the suspended mode. • **Disabled** — System alarm prevents the system from resuming from the suspended mode.

--AlwaysAllowDellDocks

Table 30. --AlwaysAllowDellDocks

Attribute Details	Description
Valid Argument	Enabled, Disabled Allows the system to, or restricts the Dell Type-C Thunderbolt docks to function when the Thunderbolt is disabled. • **Enabled** — Allows the Dell Type-C Thunderbolt docks to function even when the Thunderbolt is disabled. • **Disabled** — Allows the system to restrict the Dell Type-C Thunderbolt docks to function when the Thunderbolt is disabled.

--AllowBiosDowngrade

Table 31. --AllowBiosDowngrade

Attribute Details	Description
Valid Argument	Enabled, Disabled Allows or restricts downgrading of the system BIOS. • Enabled — Allows the system to downgrade the system BIOS. • Disabled — Restricts the system from downgrading the system BIOS. **CAUTION: You cannot enable the AllowBiosDowngrade feature using the Dell Command | Configure.** **NOTE: One of the methods of enabling the AllowBiosDowngrade feature is from the BIOS setup screen.**

--AmbLightSen

Table 32. --AmbLightSen

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the ambient light sensor.

--AmdCpuCore

Table 33. --AmdCpuCore

Attribute Details	Description
Valid Argument	Coreall, Core1p0, Core1p1, Core2p0, Core3p0, Core2p2, Core4p0, and Core3p3 Specifies whether the processor has one or more cores enabled.

--AmdSmartShift

Table 34. --AmdSmartShift

Attribute Details	Description
Valid Argument	Enabled, Disabled Sets the AmdSmartShift by using the following options: • **Enabled** - On a discrete GPU system, AMD SmartShift allows the system's CPU and discrete GPU to share the power limits. This allows the potential performance that increases within the systems power or thermal limitation. • **Disabled** - AmdSmartShift feature is disabled.

--AmdThreadControl

Table 35. --AmdThreadControl

Attribute Details	Description
Valid Argument	Enabled, Disabled Each processor core contains two threads. Each thread appears as a separate processor to the operating system. However, the threads share part of the processor core with one another.

--AmdTurboCore

Table 36. --AmdTurboCore

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables AMD Turbo Core Technology in the processor. When enabled, AMD Turbo Core Technology dynamically adjusts processor frequency to provide a performance boost at the operating system's request.

--AmdViEnable

Table 37. --AmdViEnable

Attribute Details	Description
Valid Argument	Enabled, Disabled This field specifies whether the Virtual Machine Monitor (VMM) uses the additional hardware capabilities provided by AMD-Vi Technology.

--AmdVtEnable

Table 38. --AmdVtEnable

Attribute Details	Description
Valid Argument	Enabled, Disabled This field specifies whether the Virtual Machine Monitor (VMM) uses the additional hardware capabilities provided by AMD-V Technology.

--AmdTSME

Table 39. --AmdTSME

Attribute Details	Description
Valid Argument	Enabled, Disabled • **Enabled** - AMD Transparent Secure Memory Encryption (TSME) allows encryption of contents during residing on the memory DIMMS. **NOTE: For best results while diagnosing potential memory DIMM issues, turn off this feature prior to running diagnostic functions or tools.** • **Disabled** - AMD Transparent Secure Memory Encryption (TSME) does not allow encryption on the memory DIMMS.

--AmtCap

Table 40. --AmtCap

Attribute Details	Description
Valid Argument	Enabled, Disabled, and RestrictMebxAccess Set the Intel Active Management Technology (AMT) capability using the following options: • **Enabled** - If Intel Active Management Technology is enabled, MEBx is available through F12 menu and you can provision AMT. MEBx may not be not accessible if OROM Keyboard Access is disabled. • **Restrict MEBx Access** - If Intel Active Management Technology is enabled, MEBx is not available in pre-boot but you can provision AMT from OS.

Attribute Details	Description
	• **Disabled** - If Intel Active Management Technology is disabled, MEBx is not available in pre-boot. Once disabled, Intel Active Management Technology can only be enabled through the BIOS interface. If the Intel AMT is already provisioned, AMT cannot be disabled. Un-provisioning AMT is required to disable AMT.

--AsfMode

Table 41. --AsfMode

Attribute Details	Description
Valid Argument	On, Off, AlertOnly, Dash Sets the alert standard format. • **On** — Turns the ASF mode on. • **Off** — Turns the ASF mode off. • **AlertOnly** — Enables only error messages. • **Dash** — Enables LOM to have both DASH and ASF 2.0 functionality.

--Aspm

Table 42. --Aspm

Attribute Details	Description
Valid Argument	Auto, Disabled, L1 Set the Active State Power Management (ASPM) level. • Auto — There is handshaking between the device and PCI Express hub to determine the best ASPM mode supported by the device. • Disabled — ASPM power management is turned off always. • L1 — ASPM power management is set to use L1.

--Asset

Table 43. --Asset

Attribute Details	Description
Valid Argument	*<string>* Displays or sets the customer-programmable asset tag number for a system. The maximum length of an asset tag is 10 characters. Asset tag values should not contain any spaces.

--AssignIntr

Table 44. --AssignIntr

Attribute Details	Description
Valid Argument	Standard, Distributed This option controls the interrupted assignment of PCI devices in the system. This option is set to standard by default, causing standard interrupt routing that uses INTA, B, C, D for all PCIe devices. When set to distributed, the interrupt routing is rerouted at the MCH root ports to minimize sharing of interrupts across all PCIe (and PCI-X in PIC mode) devices.

--AtgSystem

Table 45. --AtgSystem

Attribute Details	Description
Valid Argument	Enabled, Disabled Sets or removes the Complementary Metal Oxide Semiconductor (CMOS) bit to indicate whether the system uses an All Terrain Gear (ATG) base or not.

--AttemptLegacyBoot

Table 46. --AttemptLegacyBoot

Attribute Details	Description
Valid Argument	Enabled, Disabled Determines if BIOS should attempt to boot from the legacy boot list when the UEFI boot list fails. • Enabled — If the UEFI boot list fails, then BIOS attempts to boot from the Legacy boot list. • Disabled — BIOS discontinues the booting process if the UEFI boot list fails.

--AudioMode

Table 47. --AudioMode

Attribute Details	Description
Valid Argument	Disabled, HalfDuplex, FullDuplex Sets the audio mode to any of the following values: • **Disabled** — Completely releases the onboard hardware resources. • **HalfDuplex** — Allows only record or playback at a time. • **FullDuplex** — Allows record and playback simultaneously.

--AutoOn

Table 48. --AutoOn

Attribute Details	Description
Valid Argument	Disabled, Weekdays , Everyday, Selectdays Configures the auto on option for a system. Using this option you can configure the days on which the system has to turn on automatically. • **Disabled** — Disables the auto on function on the system. • **Everyday** — Enables the auto on function on every day of the week. • **Weekdays** — Enables the auto on function on week days. • **SelectDays** — Enables the auto on function on selected days of the week. The system disables the auto on function on the days that are not selected.

Example	`C:\>cctk --AutoOn=Disabled`
	`AutoOn=Disabled`
	`C:\>cctk --AutoOn=SelectDays:Mon,`
	`TueAutoOn=SelectDays:Mon, Tue`

--AutoOnHr

Table 49. --AutoOnHr

Attribute Details	Description
Valid Argument	integers ranging from 0 to 23 Sets the auto on configuration in hours.
Example	`C:\>cctk --AutoOnHr=5` `AutoOnHr=5`

--AutoOnMn

Table 50. --AutoOnMn

Attribute Details	Description
Valid Argument	integers ranging from 0 to 59 Sets the auto on configuration in minutes.
Example	`C:\>cctk --AutoOnMn=30` `AutoOnMn=30`

--AutoOSRecoveryThreshold

Table 51. --AutoOSRecoveryThreshold

Attribute Details	Description
Valid Argument	OFF, 1, 2, 3 Sets the threshold value for auto OS recovery. Controls the automatic boot flow for SupportAssist System Resolution console and for Dell OS Recovery Tool. The system boots to the SupportAssist System Resolution console and for Dell OS Recovery Tool if, • the primary operating system fails to boot consecutively. • the count of boot failure is greater than or equal to the value of the Auto OS Recovery threshold setup option. • SupportAssist OS Recovery option is enabled. **NOTE: If Auto OS Recovery threshold is set to OFF, then all automatic boot flow for SupportAssist System Resolution console and for Dell OS Recovery Tool will be disabled.**

--AutoOnPeriod

Table 52. --AutoOnPeriod

Attribute Details	Description
Valid Argument	integers ranging from 0 to 254 Defines the time after which the system should automatically wake up from Standby, Hibernate, or Switched off mode. **NOTE: The system wakes up from Sleep, Hibernate, or Switched off mode only if the autoon (AutoOn) option is enabled for everyday of the week.**

--Camera2

Table 53. --Camera2

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the camera available at the back of the system. • **Enabled** — Enables the camera available at the back of the system. • **Disabled** — Disables the camera available at the back of the system.

--Bezelir

Table 54. --Bezelir

Attribute Details	Description
Valid Argument	Enabled, Disabled Sets the Embedded Server Management (ESM) configuration.

--BiosAutoRcvr

Table 55. --BiosAutoRcvr

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables BIOS auto recovery feature. • Enabled — If BIOS corruption is detected, the system automatically recovers BIOS without any user interaction. • Disabled — Disables BIOS auto recovery feature. **NOTE: This feature is effective only if the biosrecovery option is enabled.**

--BiosCharacteristics

Table 56. --BiosCharacteristics

Attribute Details	Description
Valid Argument	Read-only Displays the features supported by the specific version of the BIOS. This contains bit-flags which define support attributes for the BIOS and the system. The first 32-bits are from the reference specification available on the Distributed Management Task Force at **dmtf.org**. These must be set only if the system supports the following features: Industry Standard Architecture (ISA), Extended Industry Standard Architecture (EISA), PCI, Personal Computer Memory Card International Association (PC Card/ PCMCIA), PnP, Advanced power management (APM), Upgradeable BIOS, BIOS Shadowing allowed, Video Electronics Standards Association (VL VESA), Extended System Configuration Data (ESCD). • 32 to 47 are always set to 0 by Dell-developed BIOS. • 48 sets to 1 if the built-in NIC supports MagicPacket. • 49 sets to 1 if the system supports Wake-on-LAN. • 50 sets to 1 if the system supports chassis intrusion. • 51 sets to 1 if the built-in NIC supports pattern-matching. • 52 sets to 1 if the system BIOS supports a seven character service tag. • 53 to 63 are reserved for future assignments.

--BIOSConnect

Table 57. --BIOSConnect

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables BIOS Connect feature.

--BIOSEnumMode

Table 58. --BIOSEnumMode

Attribute Details	Description
Valid Argument	BIOSAssistEnum and NativeEnum Thunderbolt PCIe Enumeration Mode controls when OS or BIOS performs the enumeration of Thunderbolt PCIe devices.

--BiosConnectActivation

Table 59. --BiosConnectActivation

Attribute Details	Description
Valid Argument	Deactivate, FullActivation, LaunchpadActivation Configures the state of the available BiosConnect boot paths. • Deactivate — BIOS setup options are not available and all BiosConnect boot paths are disabled. • FullActivation — BIOS Setup options are enabled and all BiosConnect boot paths are enabled. • LaunchpadActivation — BIOS setup options are enabled and only launchpad code path is enabled.

--BiosCurLang

Table 60. --BiosCurLang

Attribute Details	Description
Valid Argument	Read-only Displays the selected language for the BIOS.

--BiosIntegrityCheck

Table 61. --BiosIntegrityCheck

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the BIOS integrity check during the booting process. • Enabled — BIOS checks the BIOS image integrity during every booting process. • Disabled — BIOS checks the BIOS image integrity only if the previous booting process did not complete **NOTE: BIOS checks the BIOS image integrity only if the BiosAutoRcvr option is enabled.**

--BiosListInstallLang

Table 62. --BiosListInstallLang

Attribute Details	Description
Valid Argument	Read-only Displays a list of installable languages for the BIOS.

--BiosLogClear

Table 63. --BiosLogClear

Attribute Details	Description
Valid Argument	Enabled, Disabled Prevents or allows the BIOS event log to be cleared on the next boot. • Enabled — Clears the BIOS event log on the next boot. • Disabled — Does not clear the BIOS event log on the next boot.

--AdvancedMode

Table 64. --AdvancedMode

Attribute Details	Description
Valid Argument	Enabled, Disabled Enabling BIOS Setup Advanced Mode makes all BIOS settings visible.

--BiosRcvrFrmHdd

Table 65. --BiosRcvrFrmHdd

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the system BIOS Recovery option. This feature saves a recovery image to a primary hard disk drive storage, or to an external USB, and uses this recovery image to recover BIOS image when system BIOS fails. • **Enabled** — BIOS stores the recovery image on a primary hard disk drive storage. So BIOS recovery image is available both from the primary hard disk drive permanent storage as well as via an external USB. • **Disabled** — BIOS does not store the recovery image on primary hard disk drive storage. So BIOS recovery image is available only via an external USB.

--BiosRomSize

Table 66. --BiosRomSize

Attribute Details	Description
Valid Argument	Read-only Displays the physical size of this BIOS Read Only Memory (ROM) device in kilobytes.

--BiosVer

Table 67. --BiosVer

Attribute Details	Description
Valid Argument	Read-only Displays the BIOS version for a system.

--BisReq

Table 68. --BisReq

Attribute Details	Description
Valid Argument	Accept, Deny, Reset Accepts, denies, or resets the Boot Integrity Services (BIS) in BIOS.

--BitSmart

Table 69. --BitSmart

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables BitSmart.

--BlinkPsu1Led

Table 70. --BlinkPsu1Led

Attribute Details	Description
Valid Argument	Enabled Sets the first Power Supply (PSU 1) status LED to blink. Enabling the LED to blink helps to recognize the power supply probe in use while using ASM feature. For more details, see Advanced System Management. **NOTE: This option is supported only on systems that support ASM.**

--BlinkPsu2Led

Table 71. --BlinkPsu2Led

Attribute Details	Description
Valid Argument	Enabled Sets the second Power Supply (PSU 2) status LED to blink. Enabling the LED to blink helps to recognize the power supply probe in use while using ASM feature. For more details, see Advanced System Management. **NOTE: This option is supported only on systems that support ASM.**

--BlockSleep

Table 72. --BlockSleep

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Block S3 sleep state. When enabled, the system BIOS blocks all OSPM/ACPI S3 (Suspend to RAM) requests and enforces the preboot authentication on all non-S3 resumes. When disabled, the system BIOS allows all Operating System-directed configuration and Power Management (OSPM) or Advanced Configuration and Power Interface (ACPI) S3 suspend to Random Access Memory (RAM) operation. This moves the system authentication to the operating system and prevents any preboot authentication on resume.

--BltInPntDevice

Table 73. --BltInPntDevice

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables built-in pointing device.

--BluetoothDevice

Table 74. --BluetoothDevice

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables bluetooth device.

--BluetoothStealthMode

Table 75. --BluetoothStealthMode

Attribute Details	Description
Valid Argument	Unchanged, TurnOff Configures the state of bluetooth radio depending on whether the Stealth mode is enabled or disabled. • **Unchanged** — Retains the current state of the bluetooth. • **TurnOff** — Turns off the bluetooth radio if the stealth mode is enabled.

BootOrder

Table 76. BootOrder

Attribute Details	Description
Valid Argument	None Displays or sets the boot order sequence, activates boot list, and enables or disables the supported devices for legacy boot list and for UEFI boot list. When you run the bootorder option, the following information is displayed: • **Device Status** — The current device status. It may be enabled or disabled. • **Device Number** — A unique number to identify the device on the system. • **Device Type** — The device type. • **Short Form** — Short form of the device. If the system has many devices of the similar device type, the short form of the device is displayed with a <*number*> notation. For example, if the system has

Attribute Details	Description

an internal Hard Disk Drive (HDD), a USB storage device, and a modular Bay HDD, the short forms will be displayed as hdd.1, hdd.2, and hdd.3 respectively.

- **Device Description** — Description of the device.

Supported legacy devices:

- **floppy** — Floppy Disk
- **hdd** — Hard Disk
- **cdrom** — CDRom
- **pcmcia** — PCMCIA Device
- **usbdev** — USB Device
- **nic** — NIC
- **usbfloppy** — USB Floppy Disk
- **usbhdd** — USB Hard Disk
- **usbcdrom** — USB CDRom
- **embnic** — Embedded NIC
- **usbzip** — USB ZIP
- **usbdevzip** — USB Device ZIP
- **bev** — BEV Device

Supported UEFI devices:

- **hdd** — Hard Disk
- **cdrom** — CDRom
- **hsbhdd** — USB Hard Disk
- **usbdev** — USB Device
- **embnicipv4** — Embedded NIC IPV4
- **embnicipv6** — Embedded NIC IPV6
- **fibrechannel** — Fibre Channel
- **embnic** — Embedded NIC
- **fibrechannelex** — FibreEx Channel
- **infiniband** — Infiniband Device
- **vendor** — Vendor Device
- **i1394** — I1394 Device
- **i2o** — I20 Device
- **uart** — UART Device
- **lun** — LUN Device
- **vlan** — VLAN Device
- **nvme** — NVMe Device
- **uri** — URI Device
- **ufs** — UFS Device
- **sd** — SD Device
- **bluetooth** — Bluetooth Device
- **wifi** — Wi-Fi Device
- **emmc** — eMMC Device

NOTE: For legacy boot list, unknown devices are displayed as hexadecimal values. For UEFI boot list, some of the devices are displayed as UEFI with a <*number*> notation. Change the bootorder by providing the short form of the unknown device.

NOTE: While changing the bootorder sequence, if the system is set with a setup password, specify the setup password as the -- valsetuppwd argument. If the system has a system password set and no setup password is set, specify the system password as the -- valsyspwd argument.

Sub Options

The following are the sub options of **bootorder**.

--ActiveBootList

Table 77. --ActiveBootList

Attribute Details	Description
	Changes the active boot list in BIOS. **NOTE: If you set Legacy for the system that supports only UEFI, then the following error message is displayed: Legacy option is not supported on this machine.**
Example	`C:\>cctk BootOrder --ActiveBootList=uefi` `C:\>cctk BootOrder --ActiveBootList=legacy`

--BootListType

Table 78. --BootListType

Attribute Details	Description
	Identifies which boot list type to display or modify for supported UEFI systems.
Example	`C:\>cctk BootOrder --BootListType=uefi` `C:\>cctk BootOrder --BootListType=legacy`

Example With Sub Options	With the **--BootListType=uefi** option, you can specify the following sub options: **--Sequence** , **--EnableDevice** , and **--DisableDevice** .
	`C:\>cctk Bootorder --BootListType=uefi --sequence=hdd.1,floppy --enabledevice= cdrom,hdd.2`
	`C:\>cctk Bootorder --BootListType=uefi --Sequence=hdd.1,Floppy --EnableDevice= cdrom,hdd.2 --valsetuppwd=password`
	NOTE: If BootListType option is not provided, then the default option is applied to the settings of the Legacy Bootorder. Apply settings to UEFI Bootorder for non-Legacy devices.

--DisableDevice

Table 79. --DisableDevice

Attribute Details	Description
	Disables the device.

Example	`cctk BootOrder --BootListType=uefi --DisableDevice=hdd,embnicipv4,cdrom`
	`cctk BootOrder --BootListType=legacy --DisableDevice=floppy,hdd,cdrom`
	`cctk BootOrder --BootListType=uefi --EnabledDevice=hdd.* - It will Enabled all Hard Disk of UEFI Bootorder`

Attribute Details	Description

	or
	`cctk BootOrder --BootListType=uefi --DisableDevice=4,7,2,1`
	`cctk BootOrder --BootListType=legacy --DisableDevice=4,7,2,1`
	`cctk BootOrder --BootListType=Legacy --DisableDevice=hdd.* - It will Enabled all Hard Disk of Legacy Bootorder`

--EnableDevice

Table 80. --EnableDevice

Attribute Details	Description
	Enables the device.

Example	`cctk BootOrder --BootListType=uefi --EnableDevice=hdd,embnicipv4,cdrom`
	`cctk BootOrder --BootListType=legacy --EnableDevice=floppy,hdd,cdrom`
	`cctk BootOrder --BootListType=uefi --EnableDevice=hdd.* - It will Enabled all Hard Disk of UEFI Bootorder`
	or
	`cctk BootOrder --BootListType=uefi --EnableDevice=4,7,2,1`
	`cctk BootOrder --BootListType=legacy --EnableDevice=4,7,2,1`
	`cctk BootOrder --BootListType=Legacy --EnableDevice=hdd.* - It will Enabled all Hard Disk of Legacy Bootorder`

--Sequence

Table 81. --Sequence

Attribute Details	Description
	Gets and Sets the Boot order sequence. The supported devices are hdd (hard disk), cdrom (CDROM), floppy (Floppy Disk), usbdev (USB device), embnic (Embedded NIC), pcmcia (PCMCIA device), bev (BEV device), and so on. For more information about the devices, see BootOrder.

Example	`C:\>cctk BootOrder --Sequence=embnic,cdrom,hdd.1 --EnableDevice=floppy --DisableDevice=cdrom`
	or
	`C:\>cctk BootOrder --Sequence=3,4,7,1 --EnableDevice=3,4 --DisableDevice=7,1 (DeviceNumber)`
	or
	`UEFI Bootorder Sequence: BootOrder --BootListType=uefi --Sequence=hdd.*`
	or
	`BootOrder --BootListType=Legacy --Sequence=hdd.*`
	NOTE: * represents grouping of the shortform of the device types.

Attribute Details	Description
	The above example changes the sequence to embnic as first device and cdrom as second and so on. Disable the device cdrom and enable the floppy device in the boot list.

--BootSeqSet

Table 82. --BootSeqSet

Attribute Details	Description
Valid Argument	DisketteFirst, HardDiskOnly, DevList, CdRomFirst Sets the Initial Program Load (IPL) device sequence for the next system boot. • **DisketteFirst** — Sets the devices in the sequence: diskette, hard drive, CD- ROM, and option ROMs (if available). • **HardDiskOnly** — Sets the devices in the sequence: hard drive and option ROMs (if available). • **DevList** — Sets the devices in the sequence: diskette, CD-ROM, hard drive, and option ROMs (if available). • **CdRomFirst** — Sets the devices in the sequence: CD-ROM, diskette, hard drive, option ROMs (if available).

--BootSpeed

Table 83. --BootSpeed

Attribute Details	Description
Valid Argument	Default, Compatible Sets microprocessor speed to **default** or **compatible**. If set to **compatible**, the Central Processing Unit (CPU) speed will be significantly slower. This is implementation dependent. There is no specific speed for **compatible**, except that it is significantly slower than **default**.

--BootTimeVideo

Table 84. --BootTimeVideo

Attribute Details	Description
Valid Argument	Onboard, Addin Sets the onboard or first add-in video controller for boot time messages. • **Onboard** — The onboard video controller is used for boot-time messages. • **Addin** — The first add-in video controller is used for boot-time messages. **NOTE: Depending on the BIOS search and system slot layout, the first add-in device changes.**

--BroadcomTruManage

Table 85. --BroadcomTruManage

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the BroadcomTruManage technology.

--BrightnessAc

Table 86. --BrightnessAc

Attribute Details	Description
Valid Argument	Integers ranging from 0 to 15
	Sets the panel brightness to be used when the system is using AC power. 0 sets the panel brightness to 0%, and 15 sets the panel brightness to 100%.

--BrightnessBattery

Table 87. --BrightnessBattery

Attribute Details	Description
Valid Argument	Integers ranging from 0 to 15
	Sets the panel brightness to be used when the system is using battery power only. 0 means panel brightness will be 0%, and 15 means panel brightness will be 100%.

--BusRatio

Table 88. --BusRatio

Attribute Details	Description
Valid Argument	Max, 6.0x, 7.0x, 7.5x, 8.0x, 8.5x, 9.0x, 9.5x
	Sets the bus ratio in CPU.

--Camera

Table 89. --Camera

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the camera.

--CanBus

Table 90. --CanBus

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Controller Area Network (CAN) Bus.

--ChasIntrusion

Table 91. --ChasIntrusion

Attribute Details	Description
Valid Argument	Enabled, Disabled, SilentEnable Enables or disables the system to detect and report chassis intrusion events to the system display on boot-up.

--ChassisIntruStatus

Table 92. --ChassisIntruStatus

Attribute Details	Description
Valid Argument	DoorOpen, Tripped, DoorClosed, TripReset Displays the status of chassis intrusion. All the values are read-only except **tripreset**. · **DoorOpen** — Indicates chassis door is opened. · **Tripped** — Indicates the chassis door is opened since the last time the sensor detection logic was reset. · **DoorClosed** — Indicates chassis door is closed. · **TripReset** — Resets the sensor detection logic to detect the next closed-to-open transition on the chassis door.

--ClearDellRmtLog

Table 93. --ClearDellRmtLog

Attribute Details	Description
Valid Argument	Enabled, Disabled

--CmosDefaults

Table 94. --CmosDefaults

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the request for a default of CMOS values when the system reboots.

--CompletionCode

Table 95. --CompletionCode

Attribute Details	Description
Valid Argument	Read-only Displays the completion code of an update operation performed by BIOS in the recent shutdown or reboot operation. For more information, see Completion Code.

--Computrace

Table 96. --Computrace

Attribute Details	Description
Valid Argument	Activate, Disabled This feature allows the user to enable or disable Absolute Software's Computrace security software BIOS ROM. After this token is written, the state is permanently maintained (this is a write-once field). **NOTE:** You cannot enable or disable this feature using Dell Command | Configure.

--CoolnQuiet

Table 97. --CoolnQuiet

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables AMD cool and quiet processor feature.

--CpuCore

Table 98. --CpuCore

Attribute Details	Description
Valid Argument	CoresAll, Cores1, Cores2, Cores3, Cores4, Cores5, Cores6, Cores7, Cores8, Cores9, Cores10, Cores11, Cores12, Cores13, Cores14, Cores15, Cores16, Cores17, Cores18, Cores19, Cores20, Cores21, Cores22, Cores23, Cores24, Cores25, Cores26, Cores27, Cores28 Enables the number of cores in each processor. • **0** — Enables CoresAll. • **1** — Enables Cores1. • **2** — Enables Cores2. • **3** — Enables Cores3. • **4** — Enables Cores4. • **5** — Enables Cores5. • **6** — Enables Cores6. • **7** — Enables Cores7. • **8** — Enables Cores8. • **9** — Enables Cores9. • **10** — Enables Cores10. • **11** — Enables Cores11 • **12** — Enables Cores12. • **13** — Enables Cores13. • **14** — Enables Cores14. • **15** — Enables Cores15. • **16** — Enables Cores16. • **17** — Enables Cores17. • **18** — Enables Cores18. • **19** — Enables Cores19. • **20** — Enables Cores20. • **21** — Enables Cores21. • **22** — Enables Cores22. • **23** — Enables Cores23. • **24** — Enables Cores24. • **25** — Enables Cores25. • **26** — Enables Cores26. • **27** — Enables Cores27. • **28** — Enables Cores28.

Attribute Details	Description
	• **CorseAll** — Enables all cores.

--CpuCores

Table 99. --CpuCores

Attribute Details	Description
Valid Argument	1, 2, 4, 6, 8, 10, 12, 14, 16, All Controls the number of enabled cores in each processor. By default, maximum number of cores per processor are enabled.

--CpuCount

Table 100. --CpuCount

Attribute Details	Description
Valid Argument	Read-only Displays the number of processors in the system.

--CpuRSA

Table 101. --CpuRSA

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Reliability Availability Serviceability (RSA) support on CPUs.

--CpuSnoopMode

Table 102. --CpuSnoopMode

Attribute Details	Description
Valid Argument	Early, HomeSnoop, Clusterondie, OpportunisticSnoop, NoSnoop Configures the CPU snoop mode. • Early — Enables early snoop mode. Use this mode for latency-sensitive applications that do not require high remote bandwidth. • HomeSnoop — Enables home snoop mode. Use this mode for applications that require high memory bandwidth. • Clusterondie — Enables cluster on die mode. Dell recommends this mode for NUMA-optimized applications to achieve lowest local memory latency and highest local memory bandwidth. • OpportunisticSnoop — Enables opportunistic snoop mode. Directory with Opportunistic Snoop Broadcast (OSB) offers a good balance of latency and bandwidth.

Attribute Details	Description
	• NoSnoop — Enables no snoop mode.

--CpuSpeed

Table 103. --CpuSpeed

Attribute Details	Description
Valid Argument	Read-only Displays the current speed of the processor.

--CpuXdSupport

Table 104. --CpuXdSupport

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the CPU eXecute Disable (XD) feature support.

--CStatesCtrl

Table 105. --CStatesCtrl

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the C states. • **Enabled** — Processor can operate in all available Power C states. • **Disabled** — No C states available for the processor.

--DashSupport

Table 106. --DashSupport

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables and disables the support for Desktop and Mobile Architecture for System Hardware (DASH) management through Platform Level Data Model (PLDM) exchanges.

--Dbpm

Table 107. --Dbpm

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables demand-based power management.

--Dbs

Table 108. --Dbs

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables demand-based power management.

--Decrypt

Table 109. --Decrypt

Attribute Details	Description
Valid Argument	Read-only Allow to Decrypt.

--DeepSleepCtrl

Table 110. --DeepSleepCtrl

Attribute Details	Description
Valid Argument	S5Only, S4AndS5, Disabled Configures the system power mode when the system is in s4 and s5 state. If set to **S5Only**, the system moves to the lowest-power off mode when in s5 state. If set to **S4AndS5** state, the system moves to the lowest-power off mode when in s4 and s5 states. When the system is in a low-power mode, it turns off most of the power-consuming circuitry devices, to meet the 1 W power limit. It disables the Power Management Event (PME), USB power, and so on.

--DisGpuExtDisplay

Table 111. --DisGpuExtDisplay

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the platform external displays. **NOTE: Embedded Display Port (eDP) will be enabled by Integrated Graphics Processing Unit (iGPU).** • Enabled — Allows discrete Graphics Processing Unit (dGPU) to enable the platform external displays such as HDMI, NB DP, Type-C, and so on with the purpose of enabling discrete graphic features such as Eyefinity, Mosaic, 10bit DP displays, etc.. • Disabled — The normal hybrid graphics mode is enabled. **NOTE: This feature is used in hybrid graphics mode only.**

--DisableDockDevicesexceptVideo

Table 112. --DeepSleepCtrl

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables all the non-video devices (serial, audio, LAN, and USB ports) on a rugged dock.

--DisketteReconfig

Table 113. --DisketteReconfig

Attribute Details	Description
Valid Argument	AnyTime, AtBootOnly Allows the user to hot or warm plug a floppy drive into the system and make it functional. If set to **AtBootOnly**, the drive will be functional after the system is rebooted. If set to **AnyTime**, reboot is not required.

--DisplayCloseState

Table 114. --DisplayCloseState

Attribute Details	Description
Valid Argument	Active, Suspend Sets the system to active or suspend state, when the system lid is closed. • **Active** — system remains in the active state when the system lid is closed.

Attribute Details	Description
	• **Suspend** — system will be forced to suspend when the system lid is closed.

--DockBattChrgCfg

Table 115. --DockBattChrgCfg

Attribute Details	Description
Valid Argument	Standard, Express Configures the dock battery charge mode. • Standard — Charges the battery over a long period of time. • Express — Charges the battery in Express Charge mode using Dell's fast charging technology.

--DockSupportOnBattery

Table 116. --DockSupportOnBattery

Attribute Details	Description
Valid Argument	Enabled, Disabled Enabling this feature allows you to use the docking station when AC power is absent, but only when the battery is preceding a certain charge percentage. The percentage may change per battery and per platform. For example, the dock may only be powered when the battery is at 60 percent charge or higher, and when the battery drops below this level (without AC power) the dock loses power.

--DockDisplayThruIntGfx

Table 117. --DockDisplayThruIntGfx

Attribute Details	Description
Valid Argument	Enabled, Disabled The Dock Display Port Through Integrated Graphics feature enables the docking station DVI no1 or Display Port no1 interface to drive an external video display when Switchable Graphics is enabled and running from the integrated graphics controller.

--DramPrefetch

Table 118. --DramPrefetch

Attribute Details	Description
Valid Argument	Enabled, Disabled Sets the Dynamic Random Access Memory (DRAM) to the following:

Attribute Details	Description
	• **Enabled** — Enables DRAM references from triggering DRAM prefetch requests. • **Disabled** — Disables DRAM references from triggering DRAM prefetch requests.

--DRmt

Table 119. --DRmt

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Dell Reliable Memory Technology configures the system to detect and correct the software errors in a block of RAM. When enabled, the system detects and corrects the software errors.

--DustFilter

Table 120. --DustFilter

Attribute Details	Description
Valid Argument	Disabled, 15days, 30days, 60days, 90days, 120days, 150days, 180days
	Enables or disables the BIOS messages for maintaining the optional dust filter installed in the computer. BIOS generates a pre-boot reminder to clean or replace the dust filter based on the interval settings.

--DynBacklightCtrl

Table 121. --DynBacklightCtrl

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the Dynamic Backlight Control (DBC) feature within the BIOS.

--EmbIdeRaid

Table 122. --EmbIdeRaid

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the embedded Integrated Development Environment (IDE) Redundant Array of Independent Disks (RAID) controller.

--EmbIdeRaid2

Table 123. --EmbIdeRaid2

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the second embeded IDE RAID controller.

--EmbNic1

Table 124. --EmbNic1

Attribute Details	Description
Valid Argument	EnabledPxe, Enabled, Disabled, OnWithIscsi, OnWithRplBoot, OnWithImageServerBoot Defines the state of the built-in NIC. **NOTE: Onwithimageserverboot is used in the deployment of Dell SmartClient products.**

--EmbNic2

Table 125. --EmbNic2

Attribute Details	Description
Valid Argument	EnabledPxe, Enabled, Disabled, OnWithIscsi, OnWithRplBoot, OnWithImageServerBoot Enables or disables the second embedded NIC.

--EmbSataRaid

Table 126. --EmbSataRaid

Attribute Details	Description
Valid Argument	Disabled, Combined, Ata, Ahci, Raid, Qdma, SmartResponse Configures the embedded Serial ATA (SATA) RAID controller.

--EmbScsi1

Table 127. --EmbScsi1

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the first Small Computer System Interface (SCSI) controller.

--EmbScsi2

Table 128. --EmbScsi2

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the second SCSI controller.

--SdCard

Table 129. --SdCard

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the embedded Secure Digital (SD) card.

--EmbVideoCtrl

Table 130. --EmbVideoCtrl

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the embedded video controller.

--EMMCDevice

Table 131. --EMMCDevice

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the eMMC drive.

--EnclaveSize

Table 132. --EnclaveSize

Attribute Details	Description
Valid Argument	• 32MB • 64MB • 128MB • 256MB Displays the memory allocation size for the Intel Software Guard Extension (SGX) processor reserved memory. **NOTE: You cannot set the Enclave Reserve Memory Size using the Dell Command | Configure user interface. One of the methods of setting Enclave Reserve Memory Size is from the BIOS setup screen.**

--EnergyStarLogo

Table 133. --EnergyStarLogo

Attribute Details	Description
Valid Argument	Enabled, Disabled Displays or hides the Energy Star logo during POST.

--EsataPort

Table 134. --EsataPort

Attribute Details	Description
Valid Argument	Off, Auto Sets the external Serial ATA (e-sata) port to auto or off.

--EsataPorts

Table 135. --EsataPorts

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables all e-sata ports. If the system supports a dock, this status is also applicable to all e-sata ports on the dock.

--ExpansionBay1

Table 136. --ExpansionBay1

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables ExpansionBay1.

--ExpansionBay2

Table 137. --ExpansionBay2

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables ExpansionBay2.

--ExpansionBay3

Table 138. --ExpansionBay3

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables ExpansionBay3.

--ExpressCard

Table 139. --ExpressCard

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the express card port that allows the user to insert an express card to configure it.

--ExpressCharge

Table 140. --ExpressCharge

Attribute Details	Description
Valid Argument	Enabled, Disabled, Once
	Enables or disables the express charge battery charge algorithm. The once argument enables the system to use express charge algorithm for one charge cycle.

--ExternalHotKey

Table 141. --ExternalHotKey

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the external keyboard hot-key feature. Scrolllock allows the Scroll Lock key on an external keyboard to act as the Fn key on the internal keyboard.

--ExtPostTime

Table 142. --ExtPostTime

Attribute Details	Description
Valid Argument	0s, 5s, 10s Delays the time of action taken by the system after pressing function keys such as F2, F12, and so on. during post time. • **0s** — Does not delay the time of action. • **5s** — Delays the time of action by five seconds. • **10s** — Delays the time of action by ten seconds.

--ExtWlanLed

Table 143. --ExtWlanLed

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the external (lid-mounted) WLAN indicator LED. • **Enabled** —The LED displays the state of the WLAN source activity. • **Disabled** —The LED does not display the state of the WLAN source activity.

--FanCtrlOvrd

Table 144. --FanCtrlOvrd

Attribute Details	Description
Valid Argument	Enabled, Disabled Controls the speed of the fan.

--FanSpeed

Table 145. --FanSpeed

Attribute Details	Description
Valid Argument	Auto, High, Medium, MedHigh, MedLow, Low Sets the speed of the fan. If set to auto the system run-time sets the speed of the fan.

--FanSpdAutoLvlonCpuZone

Table 146. --FanSpdAutoLvlonCpuZone

Attribute Details	Description
Valid Argument	0 to 100

--FanSpdAutoLvlonPsuZone

Table 147. --FanSpdAutoLvlonPsuZone

Attribute Details	Description
Valid Argument	0 to 100

--FanSpdAutoLvlonCpuMemZone

Table 148. --FanSpdAutoLvlonCpuMemZone

Attribute Details	Description
Valid Argument	0 to 100 Sets the speed of the fan on Cpu memory zone

--FanSpdAutoLvlonPcieZone

Table 149. --FanSpdAutoLvlonPcieZone

Attribute Details	Description
Valid Argument	0 to 100 Sets the speed of the fan on Pcie zone

--FanSpdAutoLvlonFlexBayZone

Table 150. --FanSpdAutoLvlonFlexBayZone

Attribute Details	Description
Valid Argument	0 to 100 When the Thermal Mode is set to Auto, Fan Speed Control Auto Level determines the minimum speed of the fans. Zero is the optimal speed level. Higher level improves the cooling factor.

--FanSpdAutoLvlonUpperPcieZone

Table 151. --FanSpdAutoLvlonUpperPcieZone

Attribute Details	Description
Valid Argument	0 to 100 When the Thermal Mode is set to Auto, Fan Speed Control Auto Level determines the minimum speed of the fans. Zero is the optimal speed level. Higher level improves the cooling factor.

--FanSpeedLvl

Table 152. --FanSpeedLvl

Attribute Details	Description
Valid Argument	Integers ranging from 0 to 100 Configures the fan speed control if the fan speed is set to Auto using fanspeed attribute. 0 sets the fanspeed to the optimal speed level, and higher percentage provides enhanced cooling.

--FanStealthMode

Table 153. --FanStealthMode

Attribute Details	Description
Valid Argument	Unchanged, TurnOff Configures the state of the fans depending on whether or not the Stealth mode is enabled or disabled. • **Unchanged** — Retains the current state of the fan. • **TurnOff** — Turns off the fan if the stealth mode is enabled.

--Fastboot

Table 154. --Fastboot

Attribute Details	Description
Valid Argument	Thorough, Minimal, Auto Enables fast booting. • **Thorough** — Sets POST to perform complete hardware and configuration testing. • **Minimal** — Sets POST to perform minimal hardware testing. • **Auto** — Allows the BIOS to decide what level of POST test is used.

--FirstPowerOnDate

Table 155. --FirstPowerOnDate

Attribute Details	Description
Valid Argument	Read-only Displays the date on which the system was first turned on.

--FingerprintReader

Table 156. --FingerprintReader

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Fingerprint reader device. • **Enabled** - Fingerprint reader device is enabled. • **Disabled** - Fingerprint reader device is disabled.

--FingerprintReaderSingleSignOn

Table 157. --FingerprintReaderSingleSignOn

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the FingerprintReaderSingleSignOn. • **Enabled** - FingerprintReaderSingleSignOn is enabled. • **Disabled** - FingerprintReaderSingleSignOn is disabled.

--FlashCacheModule

Table 158. --FlashCacheModule

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Ready Boost and Ready Cache functionality.

--Floppy

Table 159. --Floppy

Attribute Details	Description
Valid Argument	On, Off, Auto, ReadOnly, Usb Configures the floppy diskette controller. • **Auto** — Enables the auto-configuration of the built-in floppy controller of the system. • **ReadOnly** — Floppy controller becomes read-only, no write operations are permitted. • **Usb** — The built-in floppy controller is disabled but booting to a USB floppy is still allowed.

--FnLock

Table 160. --FnLock

Attribute Details	Description
Valid Argument	Enabled, Disabled Controls the behavior of the dual-function keys, when the Fn key is pressed. • **Enabled** — Press and hold the Fn key to enable the functions of the function keys (**<F1> — <F12>**). • **Disabled** — Press and hold the Fn key to enable the secondary functions associated with the particular key.

--FnLockMode

Table 161. --FnLockMode

Attribute Details	Description
Valid Argument	Enabled, Disabled Controls the behavior of the dual-function keys (**<F1> — <F12>**), when **<Fn>** key is pressed and when it is not. • **Enabled** — Press the function keys to use the primary function of the key.

Attribute Details	Description
	• **Disabled** — Press the function keys to use the secondary function of the key.

--ForcePxe

Table 162. --ForcePxe

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables Preboot Execution Environment (PXE) as the first boot device on all subsequent boots.

--ForcePxeOnNextBoot

Table 163. --ForcePxeOnNextBoot

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables Force PXE on next boot in BIOS. If enabled, when the BIOS boots next time, the first PXE-capable device is inserted as the first device in the boot sequence. Enabling this value causes this operation on the next boot only, and does not cause a change in the defined boot sequence of the system. The BIOS chooses the first PXE-capable device as the onboard network controller of the system, if present and enabled, or the first bootable network device found in the standard PCI search order of the system, whichever comes first. If disabled, the boot override feature is disabled and the system boot sequence is in effect.

--FrontPanelErrDisplayMode

Table 164. --FrontPanelErrDisplayMode

Attribute Details	Description
Valid Argument	AllErr, FirstErr Configures to report all the errors or only the first error on the front panel Liquid Crystal Display (LCD). • **AllErr** — All errors displayed on front panel LCD. • **FirstErr** — Only first error displayed on front panel LCD.

--FrontPowerButton

Table 165. --FrontPowerButton

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the FrontPowerButton feature.

--FrontUsbPortCollection

Table 166. --FrontUsbPortCollection

Attribute Details	Description
Valid Argument	Enabled, Disabled If a USB port is enabled, devices attached to this port are enabled and available for the OS. If a USB port is disabled, any devices attached to this port are not visible to the OS. **NOTE:** USB, keyboard, and mouse devices work in the BIOS setup irrespective of this setting.

--Fsbr

Table 167. --Fsbr

Attribute Details	Description
Valid Argument	115200, 57600, 19200, 9600 Console redirection fail safe baud rate (in bps).

--FullScreenLogo

Table 168. --FullScreenLogo

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the full screen logo that appears during BIOS POST.

--GenEncryption

Table 169. --GenEncryption

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables general purpose encryption.

--GpsWwan

Table 170. --GpsWwan

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables GPS WWAN Radio.

--DediGPSRadio

Table 171. --DediGPSRadio

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the internal Dedi Global Positioning System (GPS) radio. • **Enabled** — Enables the internal DediGPSRadio . • **Disabled** — Disables the internal DediGPSRadio .

--GpsStealthMode

Table 172. --GpsStealthMode

Attribute Details	Description
Valid Argument	Unchanged, TurnOff Configures the state of the GPS radio depending on the Stealth mode is enabled or disabled. • **Unchanged**— Retains the current state of the GPS radio. • **TurnOff**— Turns off the GPS radio if the Stealth mode is enabled.

--GraphicSpecMode

Table 173. --GraphicSpecMode

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the modes. Possible values: • Enabled — Allows discrete Graphics Processing Unit (dGPU) to enable the platform external displays such as HDMI, NB DP and Type-C, with the purpose of enabling modes graphic features. **NOTE: Embedded Display Port (eDP) will be enabled by Integrated Graphics Processing Unit (iGPU).** • Disabled — The normal hybrid graphics mode is enabled. **NOTE: This feature is used in hybrid graphics mode only.**

--Hdd1FanEnable

Table 174. --Hdd1FanEnable

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the error checking on the FAN_HDD1 fan controller.

--Hdd2FanEnable

Table 175. --Hdd2FanEnable

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the error checking on the FAN_HDD2 fan controller.

--Hdd3FanEnable

Table 176. --Hdd3FanEnable

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables error checking on the FAN_HDD3 fan controller. **NOTE: If the fan controller detects a fan, it automatically enables it.**

--HddAcousticMode

Table 177. --HddAcousticMode

Attribute Details	Description
Valid Argument	Bypass, Quiet, Suggested, Performance Sets the hard disk acoustic mode. If set to **Bypass**, BIOS does not modify the currently set acoustic mode of the hard disks. **Quiet** sets the acoustic mode of the hard disks to the quietest operation. **Suggested** sets the acoustic mode of the hard disks to the setting suggested by the manufacturer. **Performance** sets the acoustic mode of the hard disks for the highest disk performance.

--HddFailOver

Table 178. --HddFailOver

Attribute Details	Description
Valid Argument	Enabled, Disabled Specifies the devices in the hard disk drive sequence menu that are attempted in the boot sequence. If set to off, only the first device is attempted in the boot sequence. If set to on, all devices are attempted as listed in the hard disk drive sequence.

--HddInfo

Table 179. --HddInfo

Attribute Details	Description
Valid Argument	Read-only The option displays the details of the HDD. The information displays the name of the HDD (`HDD Name`), whether the HDD is physically present (`Present`), whether a password exists for the HDD (`Pwd-Protected`), whether a reboot is required to set the password (`Pending-Restart`), and whether the changes to the password can be made only by an administrator (`Admin-only-change`).

Example	`C:\>cctk --HddInfo`
	`HDD Information in the current system.`
	`Index: 0`
	`HDD Name: Internal`
	`Present: Yes`
	`Pwd-Protected: No`
	`Pending-Restart: No`
	`Admin-only-change: No`

--HddProtection

Table 180. --HddProtection

Attribute Details	Description
Valid Argument	Enabled, Disabled Turns the HDD protection feature on or off. The Hard Disk Protection is an advanced feature intended to keep the HDD data secure and unchangeable. For more details on this feature, see the documentation provided with your system.

--HddPwd

Table 181. --HddPwd

Attribute Details	Description
Valid Argument	*<password>* Sets the hard disk drive password. The password cannot be reported. To set the password an argument is required. To remove the password, provide one blank space and the old password. **NOTE: Reboot the system to complete any HDD password actions.**

--HotDock

Table 182. --HotDock

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables hot docking or undocking.

--HdFreeFallProtect

Table 183. --HdFreeFallProtect

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables hard drive free fall protection.

--HtAssist

Table 184. --HtAssist

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Probe Filter chipset option in the BIOS setup. The chipset feature affects the performance of some applications.

--HtKeyWxanRadio

Table 185. --HtKeyWxanRadio

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables hotkey to toggle WxAN radio. Enabling this option allows to set the wxanradio option. For more information, see --wxanradio.

--HwPrefetcher

Table 186. --HwPrefetcher

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the CPU hardware prefetcher.

--HwSwPrefetch

Table 187. --HwSwPrefetch

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables hardware prefetcher from considering software prefetches when detecting strides for prefetch requests.

--IdeCdrom

Table 188. --IdeCdrom

Attribute Details	Description
Valid Argument	Auto, Off Turns the CD drive on or off. • **Auto** — Enables the auto-configuration of the system built-in IDE controller. • **Off** — Disable the system built-in IDE controller, making IRQ14 and IRQ15 resources available.

--IgnitionSwitchEnable

Table 189. --IgnitionSwitchEnable

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the external ignition pin. Disabled by default.

--IgnitionSwitchOnDelay

Table 190. --IgnitionSwitchOnDelay

Attribute Details	Description
Valid Argument	Value (0 - 21600) The IgnitionSwitchOnDelay begins from the time in seconds the ignition on is detected and till the power button event is passed to the operating system for booting the system.

--IgnitionSwitchOffDelay

Table 191. --IgnitionSwitchOffDelay

Attribute Details	Description
Valid Argument	Value (0 - 21600) The IgnitionSwitchOffDelay begins from the time in seconds the ignition off is detected and till the power button event is passed to the operating system for shutting off the system.

--IgnitionSwitchDebounceCycle

Table 192. --IgnitionSwitchDebounceCycle

Attribute Details	Description
Valid Argument	Value (50 - 5000) De-Bounce Ignition Power Switch cycle time is displayed in milli seconds. By default the value is 50ms.

--InfraredDevice

Table 193. --InfraredDevice

Attribute Details	Description
Valid Argument	Disabled, Com1, Com2, Com3, Com4 Sets the infrared port.

--InfraredMode

Table 194. --InfraredMode

Attribute Details	Description
Valid Argument	Fast, Slow Sets the infrared port speed. • **Fast** — The system infrared port receives in fast infrared mode. • **Slow** — The system IR port receives in slow infrared mode.

--InstantOn

Table 195. --InstantOn

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Latitude ON Instant ON feature.

--IntegratedAudio

Table 196. --IntegratedAudio

Attribute Details	Description
Valid Argument	Enabled, Disabled, Auto
	Sets the status of the integrated sound device of the system.

--IntegratedRaid

Table 197. --IntegratedRaid

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the integrated RAID.

--IntegratedSas

Table 198. --IntegratedSas

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the integrated Serial Attached SCSI (SAS) controller.

--IntegratedUsbHub

Table 199. --IntegratedUsbHub

Attribute Details	Description
Valid Argument	Compatible, HighSpeed
	Sets the integrated USB hub to compatible or high speed.

--IntegratedVideoSize

Table 200. --IntegratedVideoSize

Attribute Details	Description
Valid Argument	1MB, 8MB, 32MB
	Sets the default integrated video memory frame buffer size to the given value.

Attribute Details	Description
	NOTE: The setting is valid only if integrated video is used.

--IntelVMDTechnology

Table 201. --IntelVMDTechnology

Attribute Details	Description
Valid Argument	Auto and Disabled Enables or disables the Intel Volume Management Device (VMD) technology. Selecting Auto enables VMD for any PCIe SSD connected to PCIe root ports. If the Auto option is not selected, it disables VMD for all ports. SSD works only as a native NVMe device.

--IntelSpdSelTech

Table 202. --IntelSpdSelTech

Attribute Details	Description
Valid Argument	Configuration 1, Configuration 2 Intel SpeedSelect Technology allows you to choose up to two additional base frequency conditions. Cfg 1: TDP Level 3 Cfg 2: TDP Level 4

--InternalMiniPci

Table 203. --InternalMiniPci

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the internal mini PCI slot.

--UsbPortsInternal

Table 204. --UsbPortsInternal

Attribute Details	Description
Valid Argument	Enabled, Disabled Turns the internal USB ports on or off.

--Interrupt13hDma

Table 205. --Interrupt13hDma

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the interrupt 13h Direct Memory Access (DMA) on boot.

--IntelRapidStart

Table 206. --IntelRapidStart

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the Intel Rapid Start Technology feature within the BIOS.

--IntlSmartConnect

Table 207. --IntlSmartConnect

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the Intel Smart Connect technology feature within the BIOS.

--IoModule

Table 208. --IoModule

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables I/O module

--IoModule2

Table 209. --IoModule2

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the IoModule2.

--IoModule3

Table 210. --IoModule3

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Iomodule3.

--IoModule4

Table 211. --IoModule4

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Iomodule4.

--Ioat

Table 212. --Ioat

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the IO Acceleration Technology (IOAT) DMA Engine option. This feature should be enabled if the hardware and software support IOAT.

--IntlPlatformTrust

Table 213. --IntlPlatformTrust

Attribute Details	Description
Valid Argument	Enabled, Disabled Displays or hides the Intel Platform Trust Technology (PTT) device from the operating system on the next reboot. When hidden, the PTT device is not displayed to the operating system and no changes can be made to the PTT device or its content.

--IrstTimer

Table 214. --IrstTimer

Attribute Details	Description
Valid Argument	integers ranging from 0 to 999 Configures the timeout value (in minutes) for Intel Rapid Start Technology (IRST) mode. After the set timeout, the system enters IRST mode from the S3 system sleep mode. The acceptable values are in the range 0-999.

--IntelReadyModeEn

Table 215. --IntelReadyModeEn

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables Intel Ready Mode Technology (iRMT).

--IsochronousMode

Table 216. --IsochronousMode

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables System Isochronous mode. **NOTE: Isochronous mode may be best for audio and video streaming applications.** • Enabled — Enable this mode to reduce the latency of memory transactions at the expense of bandwidth. • Disabled — Disable this mode for applications that need high memory bandwidth.

--KbdBacklightTimeoutAc

Table 217. --KbdBacklightTimeoutAc

Attribute Details	Description
Valid Argument	5s, 10s, 15s, 30s, 1m, 5m, 15m, Never Configures the timeout value for the keyboard backlight when an AC adapter is plugged into the system. • 5s — Keyboard backlight stays on for 5 seconds. • 10s — Keyboard backlight stays on for 10 seconds. • 15s — Keyboard backlight stays on for 15 seconds.

Attribute Details	Description
	• 30s — Keyboard backlight stays on for 30 seconds. • 1m — Keyboard backlight stays on for 1 minute. • 5m — Keyboard backlight stays on for 5 minutes. • 15m — Keyboard backlight stays on for 15 minutes. • Never — Keyboard backlight always stays on.

--KbdBacklightTimeoutBatt

Table 218. --KbdBacklightTimeoutBatt

Attribute Details	Description
Valid Argument	5s, 10s, 15s, 30s, 1m, 5m, 15m, Never Configures the timeout value for the keyboard backlight when the system is running only on battery power. • 5s — Keyboard backlight stays on for 5 seconds. • 10s — Keyboard backlight stays on for 10 seconds. • 15s — Keyboard backlight stays on for 15 seconds. • 30s — Keyboard backlight stays on for 30 seconds. • 1m — Keyboard backlight stays on for 1 minute. • 5m — Keyboard backlight stays on for 5 minutes. • 15m — Keyboard backlight stays on for 15 minutes. • Never — Keyboard backlight always stays on.

KeyboardBackLightColor

Table 219. KeyboardBackLightColor

Attribute Details	Description
	Enables and configures supported colors on the keyboard backlight for the rugged systems. Also, displays the active color and sets the color (RGB value) for CustomColor1 and CustomColor2.
Valid Argument	None
Suboptions	EnableColor, ActiveColor, CustomColor1, CustomColor2

Sub Options

The following are the sub options of **keyboardbacklightcolor**.

--EnableColor

Table 220. --EnableColor

Attribute Details	Description
Valid Argument	White, Red, Green, Blue, CustomColor1, CustomColor2, and None. Displays or enables the supported colors on the keyboard backlight. Press Fn+C to switch among the enabled colors. **NOTE: If 'none' is selected, keyboard backlight color switching using Fn+C key combination will not be possible. The value 'none' cannot be combined with any other color.**
Example	`cctk KeyboardBackLightColor --EnableColor=Green,Blue,Red` `EnableColor=Green,Blue,Red`

--ActiveColor

Table 221. --ActiveColor

Attribute Details	Description
Valid Argument	White, Red, Green, Blue, CustomColor1 and CustomColor2. Displays or sets an active color for the keyboard backlight.
Example	`cctk KeyBoardBacklightColor --ActiveColor=Green, White, Red, Blue` `KeyBoardBacklightColor --ActiveColor=White, Red, Green, Blue`

--CustomColor1

Table 222. --CustomColor1

Attribute Details	Description
Valid Argument	Value range from 0 to 255 in an 'R,G,B' format Displays and configures the CustomColor1 by specifying the Red, Green and Blue (RGB) values. The color can be selected using RGB components by mentioning it in 'R,G,B' format. Each color component value ranges from 0 to 255.
Example	`cctk KeyboardBackLightColor --CustomColor1=100,42,60` `CustomColor1=100,42,60`

--CustomColor2

Table 223. --CustomColor2

Attribute Details	Description
Valid Argument	value range from 0 to 255 in an 'R,G,B' format Displays and configures the CustomColor2 by specifying the Red, Green and Blue (RGB) values. The color can be selected using RGB components by mentioning it in 'R,G,B' format. Each color component value ranges from 0 to 255.
Example	`cctk KeyboardBackLightColor --CustomColor2=25,95,10` `CustomColor2=25,95,10`

--KeyboardBacklightOnAc

Table 224. --KeyboardBacklightOnAc

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the keyboard backlight when the system is running on Alternating Current (AC) power or if an AC power adapter is plugged in. • **Enabled** — Enables the keyboard backlight even after 10 seconds of inactivity. • **Disabled** — Disables the timer that fades the keyboard backlight after 10 seconds of inactivity. **NOTE: If the keyboard backlight is disabled by pressing Fn + F10, then the keyboard backlight remains turned off, even if the AC power adapter is plugged in.**

--KeyboardClick

Table 225. --KeyboardClick

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the keyboard click sound.

--KeyboardIllumination

Table 226. --KeyboardIllumination

Attribute Details	Description
Valid Argument	Disabled, Bright, Auto, 25, Dim, 75 Sets the keyboard illumination to the required light intensity. • **Disabled** — Sets the illumination to off. • **Bright** — Sets the illumination to 100 percent. • **Auto** — Sets the illumination based on ambient light level. • **25** — Sets the illumination to 25 percent. • **Dim** — Sets the illumination to 50 percent. • **75** — Sets the illumination to 75 percent.
Example	`C:\>cctk --KeyboardIllumination=on` `KeyboardIllumination=on`

--Keypad

Table 227. --Keypad

Attribute Details	Description
Valid Argument	EnabledByNumLock, EnabledByFnKey
	Enables the keypad in two different ways — numlock and function key.

--LastBiosUpdate

Table 228. --LastBiosUpdate

Attribute Details	Description
Valid Argument	Read-only
	Identifies the major release of the system BIOS.

--LatitudeOn

Table 229. --LatitudeOn

Attribute Value	Description
Valid Argument	Enabled, Disabled
	Enables or disables booting to Latitude ON.

--LatitudeOnFlash

Table 230. --LatitudeOnFlash

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the ability to boot to the Latitude ON Flash module.

--LcdStealthMode

Table 231. --LcdStealthMode

Attribute Details	Description
Valid Argument	Unchanged, TurnOff
	Configures the state of the Liquid Crystal Display (LCD) screen backlight if Stealth mode is enabled or disabled.

Attribute Details	Description
	• **Unchanged** — Retains the current state of the LCD screen backlight. • **TurnOff** — Turns off the LCD screen backlight if Stealth is enabled.

--LedStealthMode

Table 232. --LedStealthMode

Attribute Details	Description
Valid Argument	Unchanged, TurnOff Configures the state of the LEDs depending on the Stealth mode is enabled or disabled. • **Unchanged**— Retains the current state of the system LEDs. • **TurnOff**— Turns off the system LEDs if the stealth mode is enabled.

--LegacyOrom

Table 233. --LegacyOrom

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the BIOS detection and the usage of Legacy expansion ROMs. **NOTE: You cannot enable legacyorom with Secure boot.**

Table 234. Legacy Option ROM with Secure Boot

secureboot	secureboot — enable	secureboot — disable
When legacyorom is enabled,	NOT Allowed	Allowed
When legacyorom is enabled,	NOT Allowed	Allowed

--LidSwitch

Table 235. --LidSwitch

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the lid switch functions. • Enabled — OS setting determines the display behavior when lid is closed. • Disabled — Display will not be affected when lid is closed.

--LimitCpuidValue

Table 236. --KbdBacklightTimeoutAc

Attribute Details	Description
Valid Argument	Enabled, Disabled Limits the maximum value the processor standard CPUID function supports. Some operating system will be unable to install if the maximum CPUID function supported is greater than 3. If set to on, the CPUID function is limited to 3. If set to off, the CPUID function is not limited to 3.

--LiquidCooler2

Table 237. --LiquidCooler2

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the liquid cooler 2. • Enabled — Enables the liquid cooler 2. • Disabled — Disables the liquid cooler 2.

--LiquidCooler1

Table 238. --LiquidCooler1

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the liquid cooler 1. • Enabled — Enables the liquid cooler 1. • Disabled — Disables the liquid cooler 1.

--LogicProc

Table 239. --LogicProc

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables hyper threading on the next system boot. On some Dell platforms that support multi-core processor technology, this is enabled or disabled though the platform does not support hyper threading. In this case, this command may enable or disable multi-core processor technology.

--Lpt

Table 240. --Lpt

Attribute Details	Description
Valid Argument	Lpt1, Lpt2, Lpt3 Defines the parallel port configuration. Lpt1 enables the built-in parallel port of the system to operate in Lpt1 mode, using Input/Output (I/O) address 378. Lpt2 enables the system's built-in parallel port to operate in Lpt2 mode, using I/O address 278. Lpt3 enables the built-in parallel port to operate in Lpt3 mode, using I/O address 3BC.

--LptMode

Table 241. --LptMode

Attribute Details	Description
Valid Argument	Disabled, At, Ps2, Ecp, Epp, EcpDma1, EcpDma3 Determines how the parallel ports operate. Set the parallel port to: • **Disabled** — Disables the built-in parallel port of the system. • **At** — Enables the built-in parallel port of the system to operate in AT mode (output-only). • **Ps2** — Enables the built-in parallel port of the system to operate in PS/2 mode (bi-directional). • **Ecp** — Enables the built-in parallel port of the system to operate in Extended Capability Port (ECP) mode, no DMA channel assigned. • **Epp** — Enables the built-in parallel port to operate in Enhanced Parallel Port (EPP) mode. • **EcpDma1** — Enables the system's built-in parallel port of the system to operate in ECP mode DMA channel 1. • **EcpDma3** — Enables the built-in parallel port of the system to operate in ECP mode DMA channel 3.
Example	`C:\>cctk --LptMode=At` `LptMode=At`

--M2PcieSsd0

Table 242. --M2PcieSsd0

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables M2 PCIE SSD 0.

--M2PcieSsd1

Table 243. --M2PcieSsd1

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables M2 PCIE SSD 1.

--MacAddrPassThru

Table 244. --MacAddrPassThru

Attribute Details	Description
Valid Argument	SystemUnique, IntegratedNic1, Disabled This feature replaces the external NIC MAC address (in a supported dock or dongle) with the selected MAC address from the system. The default value is the System Unique MAC Address.

--MasterPasswordLockout

Table 245. --MasterPasswordLockout

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the master password settings. **CAUTION: You cannot disable this feature using Dell Command | Configure.** • Enabled — The master password cannot be used to – clear other passwords – unlock and access hard disk drive – erase data from hard disk drive • Disabled — The master password can be used to – clear other passwords – unlock and access hard disk drive – erase data from hard disk drive **NOTE: One of the methods of configuring Master Password Lockout feature is from the BIOS setup screen.** **NOTE: You cannot enable MasterPasswordLockout while setting up with Hdd or Owner's password.**

--MediaCard

Table 246. --MediaCard

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the media card.

--MediaCardAnd1394

Table 247. --MediaCardAnd1394

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the media card and 1394 devices.

--Mem

Table 248. --Mem

Attribute Details	Description
Valid Argument	Read-only Displays the amount of system memory physically installed in the system, not the amount of memory available to an operating system. The last two characters of the memory value indicate the order of magnitude used (Kilo Byte (KB) or Mega Byte (MB)).

--MemDiagnostic

Table 249. --MemDiagnostic

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the memory diagnostic.

--NodeInterleave

Table 250. --NodeInterleave

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables memory interleave mode.

--MemRSA

Table 251. --MemRSA

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the Reliability Availability Serviceability (RSA) support on memory modules.

--MemPerMonitor

Table 252. --MemPerMonitor

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the memory performance monitor feature.

--MemRemap

Table 253. --MemRemap

Attribute Details	Description
Valid Argument	Off, Auto
	Enables or disables memory remapping.

--MEMSSensors

Table 254. --MEMSSensors

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the Micro Electro Mechanical Sensors.

--MemTest

Table 255. --MemTest

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables Power-on Self Test (POST) extended memory test.

--MfgDate

Table 256. --MfgDate

Attribute Details	Description
Valid Argument	Read-only
	Displays the manufacturing date of the system.

--Microphone

Table 257. --Microphone

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the internal or external microphone.

--MiniCardSsd

Table 258. --MiniCardSsd

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables mini card Solid State Drive (SSD) module.

--Minisas0

Table 259. --Minisas0

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the Minisas drive 0.

--Minisas1

Table 260. --Minisas1

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the Minisas drive 1.

--Minisas2

Table 261. --Minisas2

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the Minisas drive 2.

--Minisas3

Table 262. --Minisas3

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the Minisas drive 3.

--MinSizeOfContigMem

Table 263. --MinSizeOfContigMem

Attribute Details	Description
Valid Argument	read-only
	Displays the size of the minimum contiguous memory block.

--MmioAbove4Gb

Table 264. --MmioAbove4Gb

Attribute Details	Description
Valid Argument	Enabled, Disabled Configures the memory mapped IO above 4GB.

--MobilePowerMgmt

Table 265. --MobilePowerMgmt

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the mobile system power management.

--ModBattChargeCfg

Table 266. --ModBattChargeCfg

Attribute Details	Description
Valid Argument	Standard, Express Configures the module bay battery charging. • **Standard** — The battery is charged over a long period of time. • **Express** — Charges the battery in Express Charge mode using the express charging algorithm, Dell's fast charging technology.

--ModuleBayDevice

Table 267. --ModuleBayDevice

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the module bay device, except the battery.

--MonitorToggling

Table 268. --MonitorToggling

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables monitor toggling.

--Mouse

Table 269. --Mouse

Attribute Details	Description
Valid Argument	Enabled, Disabled Turns the mouse controller on or off.

--MpmCfg

Table 270. --MpmCfg

Attribute Details	Description
Valid Argument	Off, Low, Med, and High This feature controls the level of monitoring of Memory Performance Monitor (MPM). MPM monitors the memory for faults and performs fault recovery when possible.

--MultiCpuCore

Table 271. --MultiCpuCore

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables multiple CPU cores if needed. If disabled, the operating system is prevented from accessing additional cores present on a single CPU package.

--MultiDisplay

Table 272. --MultiDisplay

Attribute Details	Description
Valid Argument	Enabled, Disabled Allows the users to enable or disable the multi-display feature. If enabled, the integrated and add-in graphics (GFX) video is turned on.

--Nfc

Table 273. --Nfc

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Near Field Computing (NFC) device.

--NmiButton

Table 274. --NmiButton

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the front bezel Non-Maskable Interrupt (NMI) button. The NMI button can be used to alert the operating system in certain cases.

--NumLock

Table 275. --NumLock

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the keyboard number lock.

--NumLockLed

Table 276. --NumLockLed

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the NumLockLed function when the system boots.

--OnBoard1394

Table 277. --OnBoard1394

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables onboard 1394 controller on the next boot.

--OnboardModem

Table 278. --OnboardModem

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the onboard modem.

--OnboardSoundDevice

Table 279. --OnboardSoundDevice

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the onboard sound devices.

--OnboardUSBNIC

Table 280. --OnboardUSBNIC

Attribute Details	Description
Valid Argument	Enabled, Disabled, EnableWithPxe
	Configures the state of the Onboard OnboardUSB Network Interface Card (NIC).

Attribute Details	Description
	• **Enabled** — Enables the secondary NIC. • **Disabled** — Disables the secondary NIC. • **EnableWithPxe** — Enables the secondary NIC and supports the PXE for network boot.

--OneTBSystemMemoryLimitEnable

Table 281. --OneTBSystemMemoryLimitEnable

Attribute Details	Description
Valid Argument	Enabled, Disabled Confines the system memory to less than 1 TB, when more than 1 TB of memory is installed in the computer.

--OnReader

Table 282. --OnReader

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables onreader.

--DisOsdBtn

Table 283. --DisOsdBtn

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Onscreen Display (OSD) buttons on all All-In-One systems. If set to **Disable**, the OSD buttons will not function.

--OpticalDriveCtrl

Table 284. --OpticalDriveCtrl

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the optical Compact Disc Read-Only Memory (CDROM) controller.

--Optimus

Table 285. --Optimus

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Optimus feature. If enabled, the feature automatically turns off the power of the Graphics Processing Unit (GPU) when not required and turns it on when required.

--OptionalBootSequence

Table 286. --OptionalBootSequence

Attribute Details	Description
Valid Argument	Enabled, Disabled Allows or prevents the installation of Windows operating system on client systems with more than one operating system. By default, the setting is disabled to maintain compatibility with existing installation tools, but should be changed if more than one operating system is present.

--OptionalHddFan

Table 287. --OptionalHddFan

Attribute Details	Description
Valid Argument	Install, NotInstall Installs or uninstalls the optional HDD fan installation.

--OromKeyboardAccess

Table 288. --OromKeyboardAccess

Attribute Details	Description
Valid Argument	Enabled, Disabled, OnetimeEnable Sets an option to enter the Option ROM Configuration screens using hotkeys during boot. If set to Disable, it prevents accessing Intel RAID and Intel Management Engine BIOS Extension.

--OromUiProtection

Table 289. --OromUiProtection

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the **Administrator password** prompt required to access the OptionROM user interface in the BIOS setup screen.

--OsMode

Table 290. --OsMode

Attribute Details	Description
Valid Argument	Enabled, Disabled Turns operating system installation mode on or off.

OsWatchdogTimer

Table 291. OsWatchdogTimer

Attribute Details	Description
Valid Argument	Enabled, Disabled The watchdog-timer aids in the recovery of the operating system if the system stops responding.

--OvrWrt

Table 292. --OvrWrt

Attribute Details	Description
Valid Argument	Read-only This option is only used with the -o option to cause the output file to be overwritten if a file of the same name already exists.

--OwnerPwd

Table 293. --OwnerPwd

Attribute Details	Description
Valid Argument	*<password>* Sets, changes, or removes the owner password. The system cannot report the owner password. The owner password is designed for companies that loan or lease systems. It allows the leasing agency (the owner of the system) to remove any administrator, system, or hard drive passwords that are set on the system by the lessee. **NOTE: Reboot the system to complete any owner password actions.**

Example	**NOTE: Password containing special characters must be provided in double inverted commas (“”).**
	
	To set the password:
	`C:\>cctk --OwnerPwd=<new-password>`
	
	You can set the owner password if the lower priority passwords (administrator, system, or hard drive passwords) are not set.
	
	NOTE: If owner password is set on a system, set the system or administrator password for configuring the BIOS options on the system.
	
	To change the password:
	`C:\>cctk --OwnerPwd=<new-password> --valOwnerPwd=<old-password>`
	
	To remove the password:
	`C:\>cctk --OwnerPwd= --valOwnerPwd=<password>`

--PasswordBypass

Table 294. --PasswordBypass

Attribute Details	Description
Valid Argument	Disabled, RebootBypass, ResumeBypass, RebootAndResumeBypass Sets the password bypass feature.

--PcCard

Table 295. --PcCard

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the PC card.

--PcCardAnd1394

Table 296. --PcCardAnd1394

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the PC card and 1394 devices.

--PcieBusAllocation

Table 297. --PcieBusAllocation

Attribute Details	Description
Valid Argument	Default, OptimizeforThunderbolt, Option1, Option2, and Option3
	This feature controls the PCIe bus resources allocation among the PCIe SLOTs.

--PcibusCount

Table 298. --PcibusCount

Attribute Details	Description
Valid Argument	64, 128, 256
	Sets the maximum PCI bus count for the system.

--PcieRSA

Table 299. --PcieRSA

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the Reliability Availability Serviceability (RSA) support on PCIe devices.

--PcieLinkSpeed

Table 300. --PcieLinkSpeed

Attribute Details	Description
Valid Argument	Auto, Gen1, Gen2
Possible Values	auto, gen1 and gen2.

Attribute Details	Description
	Auto - PCIe link speed is configured based on the maximum speed supported by both upstream and downstream devices. Gen1 - The PCIe link speed is configured in gen1. Gen2 - The maximum PCIe link speed allowed is limited to gen2. Configures PCIe LinkSpeed.

--PciMmioSpaceSize

Table 301. --PciMmioSpaceSize

Attribute Details	Description
Valid Argument	Small, Large, Dynamic Allocates a part of the memory to the PCI Memory Mapped I/O. It allows you to reserve large or small device-specific memory regions to decrease or increase the usable memory on systems with a 32-bit operating system. • Small — Allocates a small region of memory to PCI memory mapped I/O. • Large — Allocates a large region of memory to PCI memory mapped I/O. This reserves the large device specific memory regions, but reduces the amount of usable memory in 32-bit operating system.

--PciResAllocationRatio

Table 302. --PciResAllocationRatio

Attribute Details	Description
Valid Argument	AllocateEvenly, AllocateMoreToCpu1 Allocates PCI resources, buses, memory-mapped I/O (MMIO) space, and I/O space. If set to **AllocateEvenly**, equal amount of memory is allocated to all the resources when two CPUs are installed. When set to **AllocateMoreToCpu1**, larger amount of device-specific memory is allocated, which in turn reduces the usable memory on a system with a 32-bit operating system.

--PciSata

Table 303. --PciSata

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the PCI Serial ATA controller.

--PciSlots

Table 304. --PciSlots

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the add-in PCI slots of the system.

--Pcmcia

Table 305. --Pcmcia

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the PCMCIA device slot.

--PeakShiftBatteryThreshold

Table 306. --PeakShiftBatteryThreshold

Attribute Details	Description
Valid Argument	integers ranging from 15 to 100 Sets the value of Peak Shift battery threshold. When the Peak Shift battery threshold level is reached, the system starts using AC power. Setting the value to 00 percent allows the system to use power only from the battery during Peak Shift duration (Peak Shift Start time and Peak shift End time).
Example	`C:\>cctk --PeakShiftBatteryThreshold=50` `PeakShiftBatteryThreshold=50`

--PeakShiftCfg

Table 307. --PeakShiftCfg

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables Peak Shift battery configuration. Using Peak Shift configuration, you can minimize the consumption of AC power during the peak power usage period of the day with the enable and disable options. You can set a start and end time for the Peak Shift period. During this period, the system runs on battery if the battery charge is above the set battery threshold value. After the Peak Shift period, the system runs on AC power without charging the battery. The system functions normally using AC power and recharging the battery after the specified Charge Start Time. **NOTE: To use `PeakShiftCfg`, set the values of `Operate only on battery`, `Operate only on AC`, and `Resume normal power/charge`. The values must be set in such a way that Peak shift start time <= Peak shift end time <= Peak shift charge start time.**

Attribute Details	Description
	NOTE: The value of hour must be in the range 00–23 and minute must be 00,15, 30, or 45. To set 12 a.m., provide the hour value as 00.

Example	To enable Peak Shift battery configuration:
	`C:\>cctk --PeakShiftCfg=Enabled`
	`PeakShiftCfg=Enabled`
	To enable Peak Shift battery configuration on specific days for a specific period:
	`C:\>cctk --`
	`PeakShiftCfg=Enabled,mon-10:30/14:00/16:00,tue-10:30/14:00/16:30`
	To disable Peak Shift battery configuration:
	`C:\>cctk --PeakShiftCfg=Disabled`
	`PeakShiftCfg=Disabled`

--PenMisIndication

Table 308. --PenMisIndication

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the missing pen indication. This controls tablet PC pen removal. The pen LED blinks to indicate that the pen has been removed from the retaining well.

--PenResumeOn

Table 309. --PenResumeOn

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the resume on pen setting.

--PntDevice

Table 310. --PntDevice

Attribute Details	Description
Valid Argument	SerialMouse, Ps2Mouse, Touchpad, SwitchToExternalPs2 Sets the pointing device. • **SerialMouse** — Sets the pointing device to external serial only. • **Ps2Mouse** — Sets the pointing device to external ps2 only. • **Touchpad** — Sets the pointing device to switch to touch pad. • **SwitchToExternalPs2** — Sets the pointing device to switch to external ps2.

--PostF12Key

Table 311. --PostF12Key

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables F12 boot menu on POST boot screen.

--PostF2Key

Table 312. --PostF2Key

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables **<F2>** boot menu on POST boot screen.

--PostHelpDeskKey

Table 313. --PostHelpDeskKey

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables display of the **<Ctrl> + <h>** help desktop hotkey message on the POST screen if Management Engine (ME) is alive and Client Initiated Remote Access (CIRA) is supported.

--PostMebxKey

Table 314. --PostMebxKey

Attribute Details	Description
Valid Argument	Enabled, Disabled Controls the display of the MEBx hotkey (**<Ctrl> + <P>**) at POST on the sign-on screen.

--PowerButton

Table 315. --PowerButton

Attribute Details	Description
Valid Argument	Enabled, Disabled, and Partial Disable Enables, disables, or partially disables the power button.

--PowerOnLidOpen

Table 316. --PowerOnLidOpen

Attribute Details	Description
Valid Argument	Enabled, Disabled Set the PowerOnLidOpen feature using the following options: • **Enabled** - If the feature is set to enabled, the system powers up from the off state whenever the lid is opened. This system powers on when powered either by the AC adapter or the system battery. • **Disabled** - If this feature is set to disabled, the system does not power up from the off state whenever the lid is opened.

--PowerLogClear

Table 317. --PowerLogClear

Attribute Details	Description
Valid Argument	Enabled, Disabled Prevents or allows the power event log to be cleared on the next boot. • Enabled — Clears the power event log on the next boot. • Disabled — Does not clear the power event log on the next boot.

--PowerMgmt

Table 318. --PowerMgmt

Attribute Details	Description
Valid Argument	Disabled, Minimum, Regular, Maximum Sets the power management settings.

--PwrOffWlanStealthMode

Table 319. --PwrOffWlanStealthMode

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the poweroffintel8260stealthmode feature. **NOTE: Disabling Stealth Mode does not automatically restore the power or functionality of the card until the next complete boot. This nonstandard mode is available as an option for Stealth Mode control of the Intel 8260 card for the following use cases: Pre-boot applications, Linux OS, or Windows OS without Dell recommended drivers.**

Attribute Details	Description
	• Enabled — Disconnects power from the Intel 8260 Wireless NIC when the Stealth Mode is enabled. • Disabled — Does not disconnect power from the Intel 8260 Wireless NIC when the Stealth Mode is enabled.

--PowerUsageMode

Table 320. --PowerUsageMode

Attribute Details	Description
Valid Argument	• PowerSaver • Balanced • Performance • HighPerformance Sets the system power usage mode using the following options: • **PowerSaver** - This mode reduces processor sustained power to enhance battery life depending on the use case. This mode may impact the system performance. • **Balanced** - This mode balances performance, noise, temperature, and battery life. The default option is Balanced Mode. • **Performance** - This mode uses the processor's typical power and utilizes discrete graphics. • **HighPerformance** - This mode increases processor sustained power to produce higher system performance, but produces more noise, increases system surface temperature, and reduces the battery life.

--PowerWarn

Table 321. --PowerWarn

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables performance limitation messages based on power supply capacity.

--PpiBypassSedBlockSidCommand

Table 322. --PpiBypassSedBlockSidCommand

Attribute Details	Description
Valid Argument	Enabled, Disabled When there is no drive ownership and the PpiBypassSedBlockSidCommand is enabled, the BIOS requires user input while sending the Block SID authentication command to SED drives. When PpiBypassSedBlockSidCommand is disabled, the BIOS does not require user input while sending the Block SID command.

Attribute Details	Description
	NOTE: You can disable PpibypassSedBlockSidCommand in manufacturing mode or while setting up the BIOS Setup Administrator password.

--PrimaryBattChargeCfg

Table 323. --PrimaryBattChargeCfg

Attribute Details	Description
Valid Argument	Standard, Express, PrimAcUse, Adaptive, Custom Configures the primary battery charging. • **Standard** — Charges the battery over a longer period of time. • **Express** — Charges the battery using the express charging algorithm, Dell's fast charging technology. • **PrimAcUse** — Charges battery while plugged-in. • **Adaptive** — Charges the battery based on a periodic evaluation of battery usage to deliver the best balance capacity. • **Custom** — The battery charging starts and stops based on user input. The start value range should be 50-95 percent, the stop value range should be 55-100 percent, and the difference between the start and stop values should be greater than or equal to 5.

Example	`C:\>cctk --PrimaryBattChargeCfg=Standard`
	`PrimaryBattChargeCfg=Standard`
	`C:\>cctk --PrimaryBattChargeCfg=Custom:50-70`
	`PrimaryBattChargeCfg=Custom:50-70`
	
	NOTE: The format to set custom option is `custom:start value-stop value`. The start value range must be 50–95 percentage and the stop value range must be 55–100 percentage. The difference between the start and stop values must be greater than or equal to 5.

--PrimaryVideoSlot

Table 324. --PrimaryVideoSlot

Attribute Details	Description
Valid Argument	Auto, Slot0, Slot1, Slot2, Slot3, Slot4, Slot5, Slot6, Slot7, Slot8, Slot9, Slot10, Slot11, Slot12, Slot13, Slot14, Slot15Onboard Configuring the slot for Primary video display. • **Onboard** — Sets the onboard video device slot as primary video device slot. • **Auto** — Scans PCI buses and uses the first video device slot found with video card as a primary video device slot. • **Slot0-Slot15** — Sets the specified slot number as a primary video device slot. **NOTE: If a video card is not available in the specified slot number, the system will scan the PCI buses and uses the first video device slot found with video card as a primary video device.**
Example	`C:\>cctk --PrimaryVideoSlot=Auto` `PrimaryVideoSlot=Auto`

--PrimIdeMast

Table 325. --PrimIdeMast

Attribute Details	Description
Valid Argument	Auto, Off Enables or disables primary IDE master channel.

--PrimIdeSlav

Table 326. --PrimIdeSlav

Attribute Details	Description
Valid Argument	Auto, Off Enables or disables primary parallel IDE slave channel.

--PrivacyScreen

Table 327. --PrivacyScreen

Attribute Details	Description
Valid Argument	Enabled, Disabled, and AlwaysOn • **Enabled** - The PrivacyScreen is applied to the embedded display panel and can be toggled between public mode and privacy mode using the Fn+F9 key combination on the embedded keyboard. • **Disabled** - The PrivacyScreen is not applied to the embedded display panel. • **AlwaysOn** - The PrivacyScreen is always on and cannot be turned off.

--PromptOnErr

Table 328. --PromptOnErr

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the BIOS from prompting for F1 or F2 on error.

--PasswordLock

Table 329. --PasswordLock

Attribute Details	Description
Valid Argument	Enabled, Disabled Controls the ability to set the system password. If the password is locked, it cannot be changed. The lock argument locks the current state of the system password. If a system password has been set, it cannot be removed. If a system password has not been set, it cannot be set. On specific BIOS settings, this feature does not work. For more information, see the BIOS documentation.

--RadioTransmission

Table 330. --RadioTransmission

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the radio transmission from MiniPCI wireless or bluetooth module.

--RearSingleUsb

Table 331. --RearSingleUsb

Attribute Details	Description
Valid Argument	Enabled, Disabled Allows to electrically turn on or off the rear single USB ports. If disabled, the ports cannot be used in any operating systems.

--RecoveryTool

Table 332. --RecoveryTool

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Dell recovery tool. • Enabled — Enables the Dell recovery tool. • Disabled — Disables the Dell recovery tool.

--RemoteBiosUpdate

Table 333. --RemoteBiosUpdate

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the remote BIOS update.

--ReportLogoType

Table 334. --ReportLogoType

Attribute Details	Description
Valid Argument	Read-only Reports the type of splash screen logo (Dell or custom) that is passed from BIOS to user. **NOTE: You cannot enable or disable this feature using Dell Command | Configure.**

--RingEventResume

Table 335. --RingEventResume

Attribute Details	Description
Valid Argument	Enabled, Disabled Allows or prevents the system to resume from suspending an incoming call from an attached modem.

--RptKeyErr

Table 336. --RptKeyErr

Attribute Details	Description
Valid Argument	Enabled, Disabled Reports if the BIOS reports keyboard errors during POST.

--RuggedDeskDockNicPxe

Table 337. --RuggedDeskDockNicPxe

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the support for PXE Boot from the Rugged Desk Dock NIC device.

--SafeUsb

Table 338. --SafeUsb

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables selective USB feature to disable all USB ports except the two selective USB ports. This option allows only the keyboard or mouse connected to the selective USB ports for the boot process to continue.

--Sata0

Table 339. --Sata0

Attribute Details	Description
Valid Argument	Enabled, Disabled Sets the SATA port 0 to off or auto.

--Sata1

Table 340. --Sata1

Attribute Details	Description
Valid Argument	Enabled, Disabled Sets the SATA port 1 to off or auto.

--Sata2

Table 341. --Sata2

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Sets the SATA port 2 to off or auto.

--Sata3

Table 342. --Sata3

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Sets the SATA port 3 to off or auto.

--Sata4

Table 343. --Sata4

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Sets the SATA port 4 to off or auto.

--Sata5

Table 344. --Sata5

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Sets the SATA port 5 to off or auto.

--Sata6

Table 345. --Sata6

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Sets the SATA port 6 to off or auto.

--Sata7

Table 346. --Sata7

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Sets the SATA port 7 to off or auto.

--Sata8

Table 347. --Sata8

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Sets the SATA port 8 to off or auto.

--SataCtrl

Table 348. --SataCtrl

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables all the SATA controllers. The option applies to all SATA controllers.

--SatadIpm

Table 349. --SatadIpm

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables and disables the feature that allows SATA HDDs to initiate link power management transitions.

--ScndIdeMast

Table 350. --ScndIdeMast

Attribute Details	Description
Valid Argument	Auto, Off
	Enables or disables secondary parallel IDE master channel.

--ScndIdeSlav

Table 351. --ScndIdeSlav

Attribute Details	Description
Valid Argument	Auto, Off Sets the secondary parallel IDE master channel to off or auto.

--Scsi3

Table 352. --Scsi3

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the third built-in SCSI controller.

--SdCardBoot

Table 353. --SdCardBoot

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the system to boot from SD card. • Enabled — Allows the system to boot from SD card. • Disabled — Restricts the system to detect SD card and boot from the SD card.

--SdCardReadOnly

Table 354. --SdCardReadOnly

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the read-only mode for SD card.

--SecureBoot

Table 355. --SecureBoot

Attribute Details	Description
Valid Argument	Enabled Enables secure boot authentication. If enabled, BIOS should only perform Secure Boot authentication and boot in UEFI mode without loading Compatibility Support Module (CSM). BIOS refers to this setting to decide on the POST behavior. **NOTE: You cannot disable secure boot using the Dell Command | Configure user interface. One of the methods of disabling secureboot is from the BIOS setup screen.**

Table 356. Secure Boot with UEFI mode and Legacy Option ROM

Secureboot	UEFI mode — enable legacyOrom — enable	UEFI mode — enable legacyOrom — disable	UEFI mode — disable legacyOrom — enable
When secureboot is enabled	NOT Allowed	Allowed	NOT Allowed
When secureboot is disabled	NOT Allowed	Allowed	NOT Allowed

--SecureBootMode

Table 357. --SecureBootMode

Attribute Details	Description
Valid Argument	DeployedMode, AuditMode Allows the modification of secure boot operational mode. **Deployed mode** is the normal mode of operation for measuring the UEFI executable images. **Audit Mode** enables the evaluation of changes to the Secure Boot key database. **NOTE: Attempting the transition to Audit Mode by writing '1' to the DA Token may fail if the system is not in OSMM.**

--SoftGuardEn

Table 358. --SoftGuardEn

Attribute Details	Description
Valid Argument	Enabled, Disabled, SoftControlled Configures Secure Guard Extensions (SGX) feature. You can select Enabled or SoftControlled if this option is disabled.

--SedBlockSidAuthentication

Table 359. --SedBlockSidAuthentication

Attribute Details	Description
Valid Argument	Enabled, Disabled When there is no drive ownership and the blocksid is enabled, the BIOS sends the SedBlockSidAuthentication authentication command to SED drives. When disabled, the BIOS does not send the Block SID command. **NOTE: Allowed in manufacturing mode or while setting up the BIOS Setup Administrator password.** **NOTE: You can disable SedBlockSidAuthentication in manufacturing mode or while setting up the BIOS Setup Administrator password.**

--Serial1

Table 360. --Serial1

Attribute Details	Description
Valid Argument	Disabled, Auto, Com1,Com2, Com3, Com4, Com1_bmc, BmcSerial, BmcLan, Rac, Rs232, Rs422, Rs485 Configures the 1st serial port of the system.

--Serial2

Table 361. --Serial2

Attribute Details	Description
Valid Argument	Disabled, Auto, Com2, Com4, Rs232, Rs422, Rs485 Configures the 2nd serial port of the system.

--Serial3

Table 362. --Serial3

Attribute Details	Description
Valid Argument	Disabled, Auto, Rs232, Rs422, Rs485 Configures the 3rd serial port of the system.

--Serial4

Table 363. --Serial4

Attribute Details	Description
Valid Argument	Disabled, Auto, Rs232, Rs422, Rs485 Configures the 4th serial port of the system

--Serial5

Table 364. --Serial5

Attribute Details	Description
Valid Argument	Disabled, Auto Configures the 5th serial port of the system.

--Serial6

Table 365. --Serial6

Attribute Details	Description
Valid Argument	Disabled, Auto Configures the 6th serial port of the system.

--SerialComm

Table 366. --SerialComm

Attribute Details	Description
Valid Argument	Off, On, Com1Cr, Com2Cr Sets the behavior of the serial port communication. • **Off** — Disables the COM port 1 and COM port 2. • **On** — Enables the COM port 1 and COM port 2. These ports are made available for use by the operating system or applications. BIOS Console Redirection is disabled. • **Com1Cr** — Enables the COM port 1 and COM port 2. These ports are made available for use by the operating system or applications. BIOS Console Redirection is through COM port 1. • **Com2Cr** — Enables the COM port 1 and COM port 2. These ports are made available for use by the operating system or applications. BIOS Console Redirection is through COM port 2.

--Serr

Table 367. --Serr

Attribute Details	Description
Valid Argument	Enabled, Disabled Turns the serr Dmi messages on or off.

--SetupPwd

Table 368. --SetupPwd

Attribute Details	Description
Valid Argument	*<password>* Sets the setup password. An argument is required. The password cannot be displayed. Initially you can set the password. If you want to remove the password, provide one blank space and the old password.

Example	**NOTE: Password containing special characters must be provided in double inverted commas (“”).**
	To set the password:
	`C:\>cctk --SetupPwd=<new-password>`
	To change the password:
	`C:\>cctk --SetupPwd=<old-password> --ValSetupPwd=<new-password>`
	To remove the password:
	`C:\>cctk --SetupPwd= --ValSetupPwd=<old-password>`

--SfpNic

Table 369. --SfpNic

Attribute Details	Description
Valid Argument	Enabled, Disabled, EnabledPxe Enables or disables SfpNic (Small Formfactor Pluggable) device. • **Enabled** — Enables the SFP device. • **Disabled** — Disables the SFP device. • **EnabledPxe** — Enables the SFP device with PXE support. **NOTE: SfpNic device is listed as boot device only if this attribute is enabled with PXE.**

--SfuEnabled

Table 370. --SfuEnabled

Attribute Details	Description
Valid Argument	Yes, No Enables the verification of digital signatures in the BIOS update payload prior to the update. If yes, the system BIOS can be updated to versions that have valid digital signatures. However, it is not possible to restore the value.

--SgxLaunchControl

Table 371. --SgxLaunchControl

Attribute Details	Description
Valid Argument	IntelLocked, RuntimeSelectable Sets the Intel Software Guard Extensions Launch Control Policy by using the following options: • **IntelLocked** - Locks SGX to support Intel Enclave Launch Provider. • **RuntimeSelectable** - Allows operating system or hypervisor control of Enclave Launch Provider.

--SHA256

Table 372. --SHA256

Attribute Details	Description
Valid Argument	Disabled, Enabled, SHA384, SHA512 Sets the hash algorithm used for TPM 2.0 measurements. • **Disabled** — Sets hash algorithm to disabled • **Enabled** — Sets hash algorithm to enabled • **SHA384** — Sets hash algorithm to SHA-384 • **SHA512** — Sets hash algorithm to SHA-512 **NOTE: This value cannot be changed if TPM is already owned.**

--UsbPortsSide

Table 373. --UsbPortsSide

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables USB ports available on the side.

Attribute Details	Description
	• **Enabled** — Enables the USB ports available on the side. • **Disabled** — Disables the USB ports available on the side.

--SignOfLifeIndication

Table 374. --SignOfLifeIndication

Attribute Details	Description
Valid Argument	Enabled, Disabled During POST, system acknowledges that the power button has been pressed in a manner that the user can either hear or feel.

--SignOfLifeByAudio

Table 375. --SignOfLifeByAudio

Attribute Details	Description
Valid Argument	Enabled, Disabled This option allows the system to indicate that the power button has been pressed during POST with an audible tone.

--SignOfLifeByDisplay

Table 376. --SignOfLifeByDisplay

Attribute Details	Description
Valid Argument	Enabled, Disabled This option allows the system to indicate that the power button has been pressed during POST by displaying the Dell logo.

--SignOfLifeByKbdBacklight

Table 377. --SignOfLifeByKbdBacklight

Attribute Details	Description
Valid Argument	Enabled, Disabled This option allows the system to indicate that the power button has been pressed during POST by turning on the keyboard backlight.

--SleepMode

Table 378. --SleepMode

Attribute Details	Description
Valid Argument	OSAutoSelection, ForceS3 Determines which sleep mode to be used by the operating system. **NOTE: The BIOS can only support either Modern Standby sleep mode (connected or disconnected), or S3 sleep mode.** • OSAutoSelection — Allows the operating system to select the appropriate sleep mode automatically. • ForceS3 — Forces the operating system to use the S3 sleep mode only.

--SliceBattChargeCfg

Table 379. --SliceBattChargeCfg

Attribute Details	Description
Valid Argument	Standard, Express, PrimAcUse, Adaptive, and Custom Configures the battery slice charging. • Standard — The battery is charged over a long period of time. • Express — Charges the battery in Express Charge mode using the express charging algorithm, Dell's fast charging technology. • PrimAcUse — Recommended setting for a user who primarily operates battery while plugged in. • Adaptive — Charges the battery in Express Charge mode using the express charging algorithm, Dell's fast charging technology. • Custom — Charges the battery in Express Charge mode using the express charging algorithm, Dell's fast charging technology.

--Sma

Table 380. --Sma

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the processor sequential memory access.

--SmartCardReader

Table 381. --SmartCardReader

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the smart card reader.

--SmartCpu

Table 382. --SmartCpu

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables system's smart CPU during low system activity.

--SmartErrors

Table 383. --SmartErrors

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables SMART errors.

--SmmSecurityMitigation

Table 384. --SmmSecurityMitigation

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the additional UEFI SMM Security Mitigation protections. The operating system uses this feature to protect the secure environment created by virtualization-based security. Enabling this feature provides the additional UEFI SMM Security Mitigation protections support. However, this feature may cause compatibility or functionality issues with some legacy tools and applications. **NOTE: You can disable Smmsecuritymitigation in manufacturing mode.**

--SnoopFilter

Table 385. --SnoopFilter

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the snoop filter option from the system BIOS.

--InternalSpeaker

Table 386. --InternalSpeaker

Attribute Details	Description
Valid Argument	Enabled, Disabled, Low, Medium, High
Description	Turns the built-in speakers on or off. • Enabled — turns on the built-in speaker. The speaker is enabled at the single system-supported volume. NOTE: **This should be used only if low/medium/high attributes are not supported by the system.** • **Disabled** — turns off the built-in speaker. • **Low** — Sets the volume of the built-in speaker to low. • **Medium** — Sets the volume of the built-in speakers to medium. • **High** — Sets the volume of the built-in speakers to high.

--SpeakersStealthMode

Table 387. --SpeakersStealthMode

Attribute Details	Description
Valid Argument	Unchanged, TurnOff
	Configures the state of the onboard speakers depending on the Stealth mode is enabled or disabled. • **TurnOff** — Turns off the onboard speakers if the stealth mode is enabled. • **Unchanged** — Retains the current state of the onboard speakers.

--Speedstep

Table 388. --Speedstep

Attribute Details	Description
Valid Argument	Enabled, Disabled, MaxPerformance, MaxBattery
	Sets the speedstep status to Enabled, Disabled, MaxPerformance, or MaxBattery.

--SpeedShift

Table 389. --SpeedShift

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Intel Speed Shift Technology support. Setting this option to Enabled allows the operating system to select the appropriate processor performance automatically.

--SplashScreen

Table 390. --SplashScreen

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the display of the splash or summary screen, rather than the detail of the POST flow.

--Sriov

Table 391. --Sriov

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables BIOS support for Single Root I/O Virtualization (SR-IOV) devices.

--StandbyState

Table 392. --StandbyState

Attribute Details	Description
Valid Argument	S1, S3 Sets the system to ACPI S1 or S3 sleeping state when the systems enters standby mode.

--StealthMode

Table 393. --StealthMode

Attribute Details	Description
Valid Argument	Enabled, Disabled Sets the operation mode of the system elements. If enabled, the system elements operate in the pre-programmed stealth mode. If disabled, the system elements operate in the normal mode. For example, • If stealth mode is enabled and the device stealth mode is set to **TurnOff**, it turns the device off while pressing Fn+F7 keys. • If the stealth mode is enabled and the device stealth mode is set to **Unchanged**, then the device retains its status and remains unchanged while pressing Fn+F7 keys.. • If the stealth mode is disabled, then the state of the device cannot be changed by the individual device stealth modes. Following are the system elements that have effect of stealth mode on them: • --BluetoothStealthMode • --FanStealthMode • --GpsStealthMode • --LcdStealthMode • --LedStealthMode • --SpeakersStealthMode • --WigigRadioStealthMode • --WlanStealthMode • --WwanStealthMode

--StrongPassword

Table 394. --StrongPassword

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables to enforce a strong password.

--SupportAssistOSRecovery

Table 395. --SupportAssistOSRecovery

Attribute Details	Description
Valid Arguments	Enabled, Disabled Enables or disables the boot flow for SupportAssist OS recovery tool during certain system errors.

--SurroundView

Table 396. --SurroundView

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables SurroundView to use an additional AMD PCIE video card in conjunction with the onboard graphics card that allows to use multiple monitors concurrently. It is applicable only on the AMD platform.

--SvcOsClear

Table 397. --SvcOsClear

Attribute Details	Description
Valid Argument	Enabled, Disabled Deletes the service OS non-volatile region. • Enabled - Deletes the service OS non-volatile region and changes the token status to Disabled. • Disabled - Does not delete the service OS non-volatile region.

--SvcTag

Table 398. --SvcTag

Attribute Details	Description
Valid Argument	Read-only Displays the service tag for a system.

--SwitchableGraphics

Table 399. --SwitchableGraphics

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Switchable Graphics technology. When enabled, the system permits the use of discrete or integrated graphics controller, based on demand. When disabled, the system uses only the integrated graphics controller, which increases the battery life.

--SysBatCharger

Table 400. --SysBatCharger

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the battery charging system.

--SysDefaults

Table 401. --SysDefaults

Attribute Details	Description
Valid Argument	reset Restores the BIOS configuration to factory settings. **NOTE: Reboot the system on setting the value.**

--SysFanSpeed

Table 402. --SysFanSpeed

Attribute Details	Description
Valid Argument	FullSpeed, NoiseReduce Sets the system fan speed. • **FullSpeed** — Sets the speed for normal cooling. • **NoiseReduce** — Sets the speed to slow to reduce noise.

--SysId

Table 403. --SysId

Attribute Details	Description
Valid Argument	Read-only Displays the Dell System's ID byte for systems that support it. The value of this feature is **-1** if the system does not support it.

--SysLogoOnIrst

Table 404. --SysLogoOnIrst

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables displaying the system logo from cache, during system resume using Intel Rapid Start Technology. • **Enabled** — Enables displaying the system logo from cache, during system resume using Intel Rapid Start Technology. • **Disabled** — Disables displaying the system logo from cache, during system resume using Intel Rapid Start Technology.

--SysName

Table 405. --SysName

Attribute Details	Description
Valid Argument	Read-only Displays name of the system.

--SysPwd

Table 406. --SysPwd

Attribute Details	Description
Valid Argument	*<password>* Sets the system password. An argument is required. The password cannot be reported. Initially you can set the password using Dell Command | Configure. If you want to remove the password, provide one blank space and the old password.

Example	**NOTE: Password containing special characters must be provided in double inverted commas (“”).**
	
	To set the password:
	`C:\>cctk --SysPwd=<new-password>`
	
	To change the password:
	`C:\>cctk --SysPwd=<old-password> --ValSysPwd=<new-password>`
	
	To remove the password:
	`C:\>cctk --SysPwd= --ValSysPwd=<old-password>`

--SysRev

Table 407. --SysRev

Attribute Details	Description
Valid Argument	Read-only Displays the system revision.

--TabletButtons

Table 408. --TabletButtons

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables tablet buttons.

--TbtPcieModeAutoSwitch

Table 409. --TbtPcieModeAutoSwitch

Attribute Details	Description
Valid Argument	Enabled, Disabled

--TertIdeMast

Table 410. --TertIdeMast

Attribute Details	Description
Valid Argument	Auto, Off Sets the tertiary IDE master to off or auto.

TertIdeSlav

Table 411. TertIdeSlav

Attribute Details	Description
Valid Argument	Auto, Off Sets the tertiary IDE slave to off or auto.

--TabletButtonIllumination

Table 412. --TabletButtonIllumination

Attribute Details	Description
Valid Arguments	Disabled, 25pct, 50pct, 75pct, and 100pct Sets the tablet button illumination level.

--ThermalLogClear

Table 413. --ThermalLogClear

Attribute Details	Description
Valid Argument	Enabled, Disabled Prevents or allows the thermal event log to be cleared on the next boot. • Disabled — Does not clear the thermal event log on the next boot. • Enabled — Clears the thermal event log on the next boot.

--Thunderbolt

Table 414. --Thunderbolt

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the thunderbolt controller in the system.

--ThunderboltPorts

Table 415. --ThunderboltPorts

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the thunderbolt controller in the system.

--ThunderboltBoot

Table 416. --ThunderboltBoot

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables booting from the Thunderbolt device.

--ThunderboltPreboot

Table 417. --ThunderboltPreboot

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables OROMs and pre-boot UEFI drivers provided by Thunderbolt devices or PCIe devices.

--ThunderboltSecLvl

Table 418. --ThunderboltSecLvl

Attribute Details	Description
Valid Argument	NoSec, UserAuth, SecConn, DpUsbOnly Configures the Thunderbolt security level. · **NoSec** — Disables the Thunderbolt security. · **UserAuth** — Allows minimum user notification. Connection manager requests connection approval from the host software, based on the unique ID of the connecting device, auto approval might or might not be given. · **SecConn** — Allows one-time saved key device. Connection manager requests connection approval from the host software; approval is given only if the host challenge to device is acceptable. · **DpUsbOnly** — Allows to connect only display port.

--Touchscreen

Table 419. --Touchscreen

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the touchscreen of the device.

--TpmSecurity

Table 420. --TpmSecurity

Attribute Details	Description
Valid Argument	Enabled, Disabled Turns the Trusted Platform Module (TPM) on or off.

--TpmActivation

Table 421. --TpmActivation

Attribute Details	Description
Valid Argument	Enabled, Disabled Remotely enables the TPM depending on certain security criteria. The disabled option is a read-only argument for reporting the current activation state of the TPM. To activate TPM, • Password must be set • TPM must not be owned • TPM must be disabled For more information, see *Dell Command | Configure User's Guide* at **dell.com/dellclientcommandsuitemanuals**. For more information, see *Dell Command | Configure User's Guide*.

--TpmClear

Table 422. --TpmClear

Attribute Details	Description
Valid Argument	Enabled, Disabled When you enable TpmClear, TPM ownership is cleared at the next boot, and the system firmware sets the value of TpmClear to disabled. When you disable TpmClear, TPM ownership remains unchanged. **NOTE:** Admin password is required to enable or disable this feature using Dell Command | Configure.

--TpmPpiAcpi

Table 423. --TpmPpiAcpi

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Physical Presence Interface (PPI) commands for TPM ACPI.

--TpmPpiClearOverride

Table 424. --TpmPpiClearOverride

Attribute Details	Description
Valid Argument	Enabled, Disabled When enabled, tpmppiclearoverride, performing the TPM clear command within operating system does not require user's interaction. When disabled, performing the TPM clear command within operating system requires user's interaction. **NOTE: You can enable Tpmppiclearoverride in manufacturing mode or while setting up the BIOS Setup Administrator password.**

--TpmPpiDpo

Table 425. --TpmPpiDpo

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables physical presence for the TPM ACPI PPI deprovision operations.

--TpmPpiPo

Table 426. --TpmPpiPo

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables physical presence for the TPM ACPI PPI provision operations.

--TrustExecution

Table 427. --TrustExecution

Attribute Details	Description
Valid Argument	Enabled, Disabled Sets the Intel Trusted Execution Technology.

--TurboMode

Table 428. --TurboMode

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables single core-based turbo mode. When enabled, Intel Turbo Boost Technology allows processor(s) to run at frequencies higher than the advertised frequency.

--TypeCPower

Table 429. --TypeCPower

Attribute Details	Description
Valid Argument	7.5W, 15W Configures the maximum power (in Watts) for type-C connector.

--UartPowerDown

Table 430. --UartPowerDown

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables the operating system to power down Universal Asynchronous Receiver/Transmitter (UART) or disables the operating system from powering down UART.

--UefiBootPathSecurity

Table 431. --UefiBootPathSecurity

Attribute Details	Description
Valid Argument	AlwaysExceptInternalHddPxe, AlwaysExceptInternalHdd, Always, and Never Determines whether the system should prompt the user to enter the Admin password, if set, while booting from a UEFI boot path from the F12 Boot Menu. • AlwaysExceptInternalHddPxe - UefiBootPathSecurity determines whether tor not the system must prompt you to enter the Admin password. This occurs when the UefiBootPathSecurity is set while booting from a UEFI boot path (from the F12 Boot Menu). • AlwaysExceptInternalHdd — All UEFI boot paths require the user to enter the Admin password, except for the boot paths that are hosted on an internal hard disk drives. • Always — Booting from any UEFI boot path requires the user to enter the Admin password. • Never — The Admin password is not required for booting from UEFI boot paths.

--CapsuleFirmwareUpdate

Table 432. --CapsuleFirmwareUpdate

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables BIOS updates via UEFI capsule update packages. **NOTE: Disabling this option blocks the BIOS updates from services such as Microsoft Windows Update and Linux Vendor Firmware Service (LVFS).**

--UefiNwStack

Table 433. --UefiNwStack

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the UEFI network protocols that allow the usage of network card in a preinstallation environment.

--UniversalConnect

Table 434. --UniversalConnect

Attribute Details	Description
Valid Argument	Enabled, Disabled Allows or denies Windows 95 from re-enumerating when a new dock device is attached to the system.

Attribute Details	Description
	• **Enabled** — Denies Windows 95 from re-enumerating when a new dock device is attached to the system. • **Disabled** — Allows Windows 95 from re-enumerating when a new dock device is attached to the system.
Example	`C:\>cctk --UniversalConnect=Enabled` `UniversalConnect=Enabled`

--UnobtrusiveMode

Table 435. --UnobtrusiveMode

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the hotkey Fn + B. When enabled, pressing Fn + B turns off the light and sound emissions of the fans and wireless radios in the system. To resume normal operations, press Fn + B again.

Usb

Table 436. Usb

Attribute Details	Description
Valid Argument	Enabled, Disabled, Legacy Turns the USB ports on or off.

--Usb30

Table 437. --Usb30

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables USB 30 controller.

--Usbctl

Table 438. --Usbctl

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the USB controllers.

--UsbEmu

Table 439. --UsbEmu

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables emulation of USB devices.

--UsbEmuNoUsbBoot

Table 440. --UsbEmuNoUsbBoot

Attribute Details	Description
Valid Argument	Enabled
	Enables emulation of USB devices except bootable devices.

--UsbFlash

Table 441. --UsbFlash

Attribute details	Description
Valid Argument	Auto, Fdd, Hdd
	Sets the USB flash drive emulation to auto, floppy, or hard disk.

--UsbPortsFront30

Table 442. --UsbPortsFront30

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables USB ports front 30.

--UsbPortsRear

Table 443. --UsbPortsRear

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables configuring the USB ports available at the back of the system.

Attribute Details	Description
	• **Enabled** — Enables the USB ports available at the back of the system. • **Disabled** — Disables the USB ports available at the back of the system.

--UsbPortsRear1

Table 444. --UsbPortsRear1

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the rear USB port 1.

--UsbPortsRear2

Table 445. --UsbPortsRear2

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the rear USB port 2.

--UsbPortsRear3

Table 446. --UsbPortsRear3

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the rear USB port 3

--UsbPortsRear4

Table 447. --UsbPortsRear4

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables USB port 03.

--UsbPortsRear5

Table 448. --UsbPortsRear5

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the rear USB port 5

--UsbPortsRear6

Table 449. --UsbPortsRear6

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the rear USB port 6

--USbPortsRear7

Table 450. --USbPortsRear7

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables USbPortsRear7.

--UsbPort07

Table 451. --UsbPort07

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables USB port 07.

--UsbPort08

Table 452. --UsbPort08

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables USB port 08.

--UsbPort09

Table 453. --UsbPort09

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables USB port 09.

--UsbPortsSide1

Table 454. --UsbPortsSide1

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the side USB port 1.

--UsbPortsSide2

Table 455. --UsbPortsSide2

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the side USB port 2.

--UsbPort12

Table 456. --UsbPort12

Attribute Details	Description
Valid Argument	Enabled, Disabled

--UsbPort14

Table 457. --UsbPort14

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables USB port 14.

--UsbPort15

Table 458. --UsbPort15

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables USB port 15.

--UsbPort16

Table 459. --UsbPort16

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables USB port 16.

--UsbPort17

Table 460. --UsbPort17

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables USB port 17.

--UsbPort18

Table 461. --UsbPort18

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables USB port 18.

--UsbPort19

Table 462. --UsbPort19

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables USB port 19.

--UsbPortsFront1

Table 463. --UsbPortsFront1

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the front USB port 1.

--UsbPortsFront2

Table 464. --UsbPortsFront2

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the front USB port 2.

--UsbPortsFront3

Table 465. --UsbPortsFront3

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the front USB port 3.

--UsbPortsFront4

Table 466. --UsbPortsFront4

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the front USB port 4.

--UsbPort24

Table 467. --UsbPort24

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables USB port 24.

--UsbPort25

Table 468. --UsbPort25

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables USB port 25.

--UsbPort26

Table 469. --UsbPort26

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables USB port 26.

--UsbPort27

Table 470. --UsbPort27

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables USB port 27.

--UsbPort28

Table 471. --UsbPort28

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables USB port 28.

--UsbPort29

Table 472. --UsbPort29

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables USB port 29.

--UsbPortsRear30

Table 473. --UsbPortsRear30

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables USB port 3.0.

--UsbPorts

Table 474. --UsbPorts

Attribute Details	Description
Valid Argument	Enabled, Disabled, EnableBackOnly Enables or disables user accessible USB ports. If set to **EnableBackOnly**, it enables BIOS emulation of all supported USB devices except for bootable devices (floppy, USB flash, and so on). This is a security feature that will prevent users from inserting a USB boot device and booting an operating system from it. Non-bootable devices (keyboard, mouse, and hub) are still emulated.

--UsbPortsInternal2

Table 475. --UsbPortsInternal2

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the internal USB port 2. Enabled - Enables the internal USB port. Disabled - Disables the internal USB port 2.

--UsbPortsExternal

Table 476. --UsbPortsExternal

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the external USB ports.

--UsbPortsFront

Table 477. --UsbPortsFront

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the USB ports on the front of the chassis.

--UsbPowerShare

Table 478. --UsbPowerShare

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the USB PowerShare.

--UsbProvision

Table 479. --UsbProvision

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables Provisioning of Intel AMT from a USB storage device. • **Enabled** — Intel AMT can be provisioned using the local provisioning file via a USB storage device. • **Disabled** — Provisioning of Intel AMT from a USB storage device is blocked.

--UsbRearDual

Table 480. --UsbRearDual

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the rear dual stack of USB ports if there is only one rear dual stack.

--UsbRearDual2Stack

Table 481. --UsbRearDual2Stack

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the second rear dual stack of USB ports if there are two rear dual stacks.

--UsbRearQuad

Table 482. --UsbRearQuad

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables rear Quad USB ports or rear triple stack on OptiPlex 740.

--UsbWake

Table 483. --UsbWake

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables USB wake setting in the next boot. Any USB input device can generate a wake event.

--UsbWakeS4En

Table 484. --UsbWakeS4En

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the USB wake from s4 power state of the system. • **Enabled** - Enables the USB wake from s4 power state of the system. • **Disabled** - Disables the USB wake from s4 power state of the system.

--Uuid

Table 485. --Uuid

Attribute Details	Description
Valid Argument	Read-only Reports the Universally Unique Identifier (UUID) for a system. The UUID is a unique system identifier used in PXE requests.

--VaConfigLock

Table 486. --VaConfigLock

Attribute Details	Description
Valid Argument	Unlock, Lock Sets the Intel Virtual Appliance Configuration lock.

--ValHddPwd

Table 487. --ValHddPwd

Attribute Details	Description
Valid Argument	*<password>* Sets the hard disk drive password. The password cannot be reported. To set the password an argument is required. To remove the password, provide one blank space and the old password. **NOTE: Reboot the system to complete any HDD password actions.**

--ValOwnerPwd

Table 488. --ValOwnerPwd

Attribute Details	Description
Valid Argument	*<password>*

--ValSetupPwd

Table 489. --ValSetupPwd

Attribute Details	Description
Valid Argument	*<password>* This value must be provided when the system supports setup password.

--ValSysPwd

Table 490. --ValSysPwd

Attribute Details	Description
Valid Argument	*<password>* This value is provided when the system supports only the system password and not the setup password. Example: cctk BootOrder --EnableDevice=3,2 --ValSysPwd=syspassword

--VaPhysicalPresenceConfirm

Table 491. --VaPhysicalPresenceConfirm

Attribute Details	Description
Valid Argument	Enabled, Disabled Sets the VA Physical Presence Confirmation. If set to off, it will allow VA install application to make virtual appliance configuration changes without rebooting. If set to on, it forces VA install application to reboot the system to make virtual appliance configuration.

--VgaDacSnoop

Table 492. --VgaDacSnoop

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Video Graphics Array (VGA) Digital-to-Analog Converter (DAC) Snoop in BIOS.

--VideoExpsn

Table 493. --VideoExpsn

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the video expansion.

--VideoMemSize

Table 494. --VideoMemSize

Attribute Details	Description
Valid Argument	Auto, Off, 16 MB, 32 MB, 64 MB, 128 MB, 256 MB, 512 MB, 1 GB Sets the video memory size to the specified value. These arguments are used to configure the amount of memory allocated to the onboard video chipset.

--VirtualAppliance

Table 495. --VirtualAppliance

Attribute Details	Description
Valid Argument	Enabled, Disabled Sets the virtual appliance support for a system.

--Virtualization

Table 496. --Virtualization

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the virtualization in CPU. • **Enabled** — Enables the additional hardware capabilities provided by Virtualization Technology in applicable CPUs. • **Disabled** — Disables the additional hardware capabilities provided by Virtualization Technology.

--VtForDirectIo

Table 497. --VtForDirectIo

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables Intel Virtualization Technology for Direct I/O (VT-d), a new chipset feature that enhances I/O support (DMA) when running a virtual machine monitor.

--VmdNvmePcie0

Table 498. --VmdNvmePcie0

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the VMD for Front NVMe Port (PCIE0).

--VmdNvmePcie1

Table 499. --VmdNvmePcie1

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the VMD for Front NVMe Port (PCIE1).

--VmdNvmePcie0Cpu1

Table 500. --VmdNvmePcie0Cpu1

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the VMD for Front NVMe Port (PCIE0-CPU1).

--VmdNvmePcie1Cpu1

Table 501. --VmdNvmePcie1Cpu1

Attribute Details	Description
Valid Argument	Enabled, Disabled
	Enables or disables the VMD for Front NVMe Port (PCIE1-CPU1).

--VmdPcieSlot

Table 502. --VmdPcieSlot

Attribute Details	Description
Valid Argument	Auto, Disabled
	Enables or disables the VMD for the PCIe slot.

--WakeOnDock

Table 503. --WakeOnDock

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables waking the system when a docking connection is made.

--WakeonLAN

Table 504. --WakeonLAN

Attribute Details	Description
Valid Argument	LanOnly, Disabled, AddInCard, OnBoard, WlanOnly, LanWlan, LanWithPxeBoot, Sfp, LanSfp, SfpWithPxeBoot Defines the wake-on-LAN feature. • **LanOnly** — The system wake-on-LAN feature is enabled. Either an onboard or an add-in NIC can wake the system up. • **Disabled** — The system does not respond to magic packets or other means of wake-on-LAN. The NIC chip section that looks for packets will not be powered. • **AddInCard** — Enables NICs, plugged into the special power connector, as the source of any wake-on-LAN signal. • **OnBoard** — The onboard NIC is enabled for wake-on-LAN. • **WlanOnly** — Enables wake-on-LAN for wireless. • **LanWlan** — On systems that have onboard LAN and wireless LAN hardware, enables wake on either wired or wireless LAN. • **LanWithPxeBoot** — Enables the network controller and causes the system to wake up and immediately boot to PXE when a wake packet is sent to the system in the S4 or S5 state. • **SfpNic** — Allows the system to wake-up by special SFP signals. • **LanOrSfpNic** — Allows the system to wake-up either by LAN, or by SFP signals. • **SfpNicWithPxeBoot** — Allows the system to wake-up by SFP singnals, and immediately boot to PXE.
Example	`C:\>cctk --WakeOnLan=LanWithPxeBoot` `WakeOnLan=LanWithPxeBoot`

--WakeOnLan2

Table 505. --WakeOnLan2

Attribute Details	Description
Valid Argument	LanOnly, Disabled, LanWithPxeBoot Defines the wake-on-LAN2 feature. • **LanOnly** — The system wake-on-LAN feature is enabled; either an onboard or an add-in NIC can wake the system up. • **Disabled** — The system does not respond to magic packets or other means of wake-on-LAN. The NIC chip section that looks for packets will not be powered.

Attribute Details	Description
	• **LanWithPxeBoot** — Enables the network controller and causes the system to wake up and immediately boot to PXE when a wake packet is sent to the system in the S4 or S5 state.
Example	`C:\>cctk --WakeOnLan2=LanWithPxeBoot` `WakeOnLan2=LanWithPxeBoot`

--WakeOnLanBootOvrd

Table 506. --WakeOnLanBootOvrd

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the wake on LAN boot override feature. • **Enabled** — When the system powers on due to a wake-on-LAN event, the NIC boot-ROM is automatically given the highest boot priority, pre-pending the PXE boot-ROM to the system current boot sequence. If the system powers on due to some other event, this selection does not influence the boot sequence. • **Disabled** — Disables the boot override feature and the system boot sequence is in effect for all types of system power on.

--WarningsAndErr

Table 507. --WarningsAndErr

Attribute Details	Description
Valid Argument	PromptWrnErr, ContWrn, ContWrnErr During POST the system continues to boot or pauses when warnings or errors are detected. This feature can be used for the remotely managed systems that do not have a keyboard or a console for the user to respond. • **PromptWrnErr** — System pauses for the user to respond when warnings or errors are detected. • **ContWrn** — System continues to boot when warnings are detected, but pauses for the user to respond when errors are detected. • **ContWrnErr** — System continues to boot when warnings or errors are detected. **NOTE: Errors deemed critical to the operation of the system hardware will always halt the system.**
Example	`C:\>cctk --WarningsAndErr=disable` `WarningsAndErr=disable`

--WatchdogTimer

Table 508. --WatchdogTimer

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the system to reboot or reset when the watchdog time expires.

--WdtOsBootProtection

Table 509. --WdtOsBootProtection

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables Watchdog OS Boot Protection. • Disable - The application cannot configure a chipset-based timer to reset or shutdown the system. By default the Application Watchdog Timer is disabled • Enable - The application configures a chipset-based timer to reset or shutdown the system.

--WifiCatcherChanges

Table 510. --WifiCatcherChanges

Attribute Details	Description
Valid Argument	Permit, Deny Permits or denies Wi-Fi catcher changes. If the administrator password is not set, this setting will have no effect.

--WifiLocator

Table 511. --WifiLocator

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Wi-Fi locator. When enabled, the locator feature can be activated during S3 to indicate the presence and intensity of wireless network without fully waking the system.

--WiGigRadioStealthMode

Table 512. --WiGigRadioStealthMode

Attribute Details	Description
Valid Argument	TurnOff, Unchanged Configures or displays the state of Wireless Gigabit Alliance (WiGig) radio depending on the Unobtrusive mode or stealth mode is enabled or disabled. • **TurnOff** — Turns off the WiGig radio if the Unobtrusive mode or stealth mode is enabled. • **Unchanged** — Retains the current state of the Wigig radio.

--WirelessAdapter

Table 513. --WirelessAdapter

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the wireless adapter.

--WirelessDevice

Table 514. --WirelessDevice

Attribute Details	Description
Valid Argument	Disabled, EnableCtrlByApp, EnableCtrlHotkeyApp Sets the wireless device. • **Disabled** — Disables wireless devices. • **EnableCtrlByApp** — Enables controlling by an application such as QuickSet. • **EnableCtrlHotkeyApp** — Enables controlling by the hotkey or by an application such as QuickSet.

--WirelessLan

Table 515. --WirelessLan

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the wireless LAN module.

--WirelessSwitchUwb

Table 516. --WirelessSwitchUwb

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Wireless On/Off switch for Ultra Wide Band (UWB) radio.

--WirelessSwitchBluetoothCtrl

Table 517. --WirelessSwitchBluetoothCtrl

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables wireless switch bluetooth control. • **Disabled** — For systems that have a physical Wireless On/Off Switch, switch has no effect on the state of the Bluetooth radio. • **Enabled** — Switch turns the Bluetooth radio on and off.

--WirelessSwitchCellularCtrl

Table 518. --WirelessSwitchCellularCtrl

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables wireless switch cellular control. • **Enabled** — Switch turns the cellular (WWAN) radio on and off. • **Disabled** — If the systems that have a physical Wireless On/Off Switch, the switch has no effect on the state of the cellular radio.

--WirelessSwitchChanges

Table 519. --WirelessSwitchChanges

Attribute Details	Description
Valid Argument	Enabled, Disabled Permits or denies wireless switch changes. If the administrator password is not set, this setting has no effect.

--WirelesSwitchnLanCtrl

Table 520. --WirelesSwitchnLanCtrl

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the wireless switch for the wireless LAN control. • **Enabled** — Switch turns the wireless LAN radio on and off.. • **Disabled** — If the systems have a physical Wireless On/Off Switch, switch has no effect on the state of the wireless LAN radio

--WirelessSwitchWiGigCtrl

Table 521. --WirelessSwitchWiGigCtrl

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the Wireless Gigabit (WiGig) radio control switch on the dock to use the WiGig physical switch. When disabled, the user cannot control WiGig using the physical switch on the dock.

--WirelessWwan

Table 522. --WirelessWwan

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the cellular radio, also called as the Wireless Wide Area Network (WWAN) module.

--WlanAutoSense

Table 523. --WlanAutoSense

Attribute Details	Description
Valid Argument	Enabled, Disabled When enabled, this feature disables the Wireless Local Area Network (WLAN) radio if the system is connected to a wired network and vice-versa.

--WlanRegionCode

Table 524. --WlanRegionCode

Attribute Details	Description
Valid Argument	Rtw, Na, Eur, Jpn, Aus, Chn, Twn, Idn Sets the WLAN code for specific region. • **Rtw** — (Rest of the World) Sets the WLAN region code for the rest of the world. This option is selected by default. • **Na** — (North America (FCC)) Sets the WLAN region code for Canada, and the United States. • **Eur** — (Europe) Sets the WLAN region code for Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Ireland, Italy, Luxembourg, Netherlands, Norway, Poland, Portugal, Slovakia, Spain, Sweden, Switzerland, Turkey, and United Kingdom. • **Jpn** — (Japan) Sets the WLAN region code for Japan only. • **Aus** — (Australia) Sets the WLAN region code for Australia, New Zealand, Saudi Arabia, South Africa, UAE, and Vietnam. • **Chn** — (China South Asia) Sets the WLAN region code for China, and India. • **Twn** — (Taiwan) Sets the WLAN region code for Colombia, Peru, and Taiwan. • **Idn** — (Indonesia) Sets the WLAN region code for Indonesia only.

--WlanStealthMode

Table 525. --WlanStealthMode

Attribute Details	Description
Valid Argument	Unchanged, TurnOff Configures the state of the WLAN (WiGig) radio depending on the Stealth mode is enabled or disabled. • **Unchanged** — Retains the current state of the WLAN (and WiGig) radio. • **TurnOff** — Turns off the WLAN (and WiGig) radio if the stealth mode is enabled.

--WirelessSwitchWlanCtrl

Table 526. --WirelessSwitchWlanCtrl

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the effect of physical wireless switch on wireless LAN and WiGig radio. • **Enabled** — If the wireless physical switch is on, turns the wireless LAN on and WiGig radio on. If the wireless switch is off, turns the wireless LAN on and WiGig radio off. • **Disabled** — The wireless physical switch does not effect the wireless LAN and WiGig radios.

--WirelessSwitchGps

Table 527. --WirelessSwitchGps

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the effect of physical wireless switch on the GPS radio of the wireless WAN card. • **Enabled** — If enabled, wireless switch turns the GPS radio of the wireless WAN card on or off. • **Disabled** — If disabled, wireless switch does not have any effect on the state of the GPS radio of the wireless WAN card.

--WwanAutoSense

Table 528. --WwanAutoSense

Attribute Details	Description
Valid Argument	Enabled, Disabled When enabled, this feature disables the WWAN radio if the system is connected to a wired network and vice-versa.

--WwanStealthMode

Table 529. --WwanStealthMode

Attribute Details	Description
Valid Argument	Unchanged, TurnOff Configures the state of the WWAN (and WiGig) radio depending on the Stealth mode is enabled or disabled. • **Unchanged** — Retains the current state of the of the WWAN (and WiGig) radio. • **TurnOff** — Turns off the WWAN (and WiGig) radio if the Stealth mode is enabled.

--WWanBusMode

Table 530. --WWanBusMode

Attribute Details	Description
Valid Argument	PcieMode UsbMode WWanBusMode sets the interface type of the Wireless Wan (WWAN) card. It is recommended that the system running Microsoft Windows must set this field to PCIe, while all the other systems must set this field to USB.

--WxanRadio

Table 531. --WxanRadio

Attribute Details	Description
Valid Argument	Disabled, WlanOn, WwaOn Sets the WLAN and WWAN options. • **Disabled** — Disables both WLAN and WWAN. • **WlanOn** — Enables WLAN radio and disables WWAN radio. • **WwaOn** — Enables WWAN radio and disables WLAN radio.

--WyseP25Access

Table 532. --WyseP25Access

Attribute Details	Description
Valid Argument	Enabled, Disabled Allows or prevents the access to BIOS setup through Dell Wyse P25 PCoIP client.

--ZigBee

Table 533. --ZigBee

Attribute Details	Description
Valid Argument	Enabled, Disabled Enables or disables the ZigBee option.

Advanced System Management

Advanced System Management (ASM) is a feature supported on Dell Precision R7610, T5810 ,T7810, T7910 and later workstations. The feature displays information about voltage, temperature, current, cooling device, and power supply probes. The feature also allows you to set the non-critical upper threshold values of voltage, current, cooling, and temperature probes. Contact the support team for information on system models with this feature.

ASM probes and options

ASM allows to display the details from the available probes. The following table lists the probes and the corresponding options for displaying the probe details.

Table 534. ASM probes and options

ASM Probes	Options
Voltage	v
Current	c
Temperature	t
Power supply	p
Cooling device	f
All probes	all

Displaying the probe details

Displays the details of from the available probes. The probes are available for Power Supply, Voltage, Current, Temperature, and Cooling Device or Fan.

To display the probe details, type:

```
cctk Advsm --Report=<option>
```

NOTE: Here, *option* represents `V`, `C`, `T`, `P`, `F`, or `All`.

For example, to display the details of voltage probe, type:

```
cctk Advsm --Report=V
```

To display the details of all the available probes, type:

```
cctk Advsm --Report=All
```

Setting the non-critical threshold values

Sets the non-critical threshold values for a given probe. It is possible to set upper non critical threshold values for Voltage, Current, Temperature and cooling device probes

To set the non-critical threshold values for a probe, type:

```
cctk Advsm --Set=<cctk option name>:<upper non critical threshold value>
```

NOTE: Here, *`cctk option name`* is the component for which you want to set the non-critical threshold values in a probe. You can obtain the *`cctk option name`* for a probe using the `report` command. Refer User's Guide for more information.

For example, to set the non-critical threshold values for a voltage probe, type:

```
cctk Advsm --Set=Voltage_1:10
```

For example, to set only the upper non-critical threshold value for a current probe, type:

```
cctk Advsm --Set=Current_1:100
```

For example, to set the non-critical threshold values for a cooling probe, type:

```
cctk Advsm --Set=Cd_1:10
```

For example, to set only the upper non-critical threshold value for a temperature probe, type:

```
cctk Advsm --Set=Temperature_1:100
```

If the system has a setup password, while setting the non-critical threshold values specify the setup password and set the non-critical threshold values as:

```
cctk Advsm --Set=<option name>:<upper non critical threshold value> --ValSetupPwd= <setup password>
```

For example, to set the non-critical threshold values for a voltage probe on a system with a setup password, type:

```
cctk Advsm --Set=Voltage_1:10 --ValSetupPwd= <setup password>
```

For example, to set the non-critical threshold values for a current probe on a system with a setup password, type:

```
cctk Advsm --Set=Current_1:55 --ValSetupPwd = <setup password>
```

For example, to set the non-critical threshold values for a cooling probe on a system with a setup password, type:

```
cctk Advsm --Set=Cd_1:55 --ValSetupPwd = <setup password>
```

For example, to set the non-critical threshold values for a temperature probe on a system with a setup password, type:

```
cctk Advsm --Set=Temperature_1:55 --ValSetupPwd = <setup password>
```

If the system has a system password and no setup password, while setting the non-critical threshold values specify the system password and set the non-critical threshold values as:

```
cctk Advsm --Set=<cctk option name>:<upper non critical threshold value> --ValSysPwd= <system password>
```

For example, to set the non-critical threshold values for a voltage probe on a system with a system password and no setup password, type:

```
cctk Advsm --Set=Voltage_1:10 --ValSysPwd = <system password>
```

For example, to set the non-critical threshold values for a current probe on a system with a system password and no setup password, type:

```
cctk Advsm --Set=Current_1:10 --ValSysPwd = <system password>
```

For example, to set the non-critical threshold values for a cooling probe on a system with a system password and no setup password, type:

```
cctk Advsm --Set=Cd_1:10 --ValSysPwd = <system password>
```

For example, to set the non-critical threshold values for a temperature probe on a system with a system password and no setup password, type:

```
cctk Advsm --Set=Temperature_1:10 --ValSysPwd = <system password>
```

PCI reporting

The scan of the PCI bus will use a file to resolve PCI vendor and device codes to vendor information strings. The format of the PCI output is as follows:

```
PCI Bus: 2, Device: 4, Function: 0
Vendor: 8086 - Intel Corp.
Device: 1229 - 82557/8/9 [Ethernet Pro 100]
Sub Vendor:8086 - Intel Corp.
Sub Device:1017 - EtherExpress PRO/100+ Dual Port Server Adapter
Slot: 01
Class: 02 - Network
SubClass: 00 - Ethernet
```

If the file for vendor resolution is not present, the utility will print Unknown next to a vendor name. If the file for environment variable names is not present, the utility will fail the environment variable operation.

The **pci.ids** file is located at :

- Systems running on supported Windows operating system:
  - For 32-bit systems; **C:\Program Files\Dell\Command Configure\X86**
  - For 64-bit systems; **C:\Program Files\Dell\Command Configure\X86_64**
- Systems running on supported Linux operating system: **/opt/dell/dcc**

Completion code

The following table displays the completion code of an update operation performed by BIOS in the recent shutdown or reboot operation.

Table 535. Completion codes

Code	Description
0000h	The update was completed successfully.
0001h	The image failed one or more consistency checks.
0002h	The BIOS could not access the flash-memory device.
0003h	The flash-memory device was not ready when an erase was attempted.
0004h	Flash programming is currently disabled on the system, or the voltage is low.
0005h	A battery must be installed for the operation to complete.
0006h	A fully-charged battery must be present for the operation to complete.
0007h	An external power adapter must be connected for the operation to complete.
0008h	The 12V required to program the flash-memory could not be set.
0009h	The 12V required to program the flash-memory could not be removed.
000Ah	A flash-memory failure occurred during a block-erase operation.
000Bh	A general failure occurred during the flash programming.
000Ch	A data miscompare error occurred during the flash programming.
000Dh	The image could not be found in memory or the header could not be located.
000Eh	Reserved for future assignment via this specification.
FFFFh	No update operation has been performed on the system.

4

Sample file formats for Dell Command | Configure 4.2

This appendix lists the sample Dell Command | Configure **utility.ini** file.

Sample Dell Command | Configure utility.ini file format

```
[cctk]
SysName=Latitude xxxx
SysId= xxxx
BiosVer=1.8.1
;do not edit information above this line
AcPwrRcvry=Off
AdminSetupLockout=Disabled
AdvBatteryChargeCfg=Disabled
Advsm=TEMPERATURE_1:NA
Advsm=TEMPERATURE_2:NA
Advsm=TEMPERATURE_3:NA
Advsm=TEMPERATURE_4:NA
Advsm=CD_1:0
AllowBiosDowngrade=Disabled
AlwaysAllowDellDocks=Enabled
Asset=Dell_123
AttemptLegacyBoot=Disabled
AutoOn=Disabled
AutoOnHr=0
AutoOnMn=0
BiosAutoRcvr=Disabled
BiosIntegrityCheck=Disabled
BiosLogClear=Keep
BiosRcvrFrmHdd=Enabled
BlockSleep=Disabled
BluetoothDevice=Enabled
BootOrder=uefitype,+hdd.1,+hdd.2
;Here '+' indicates Enabled device, '-' indicates Disabled device.You can use DeviceNumber also
to set the boot order. Example: BootOrder=+2,-1,+3
BrightnessAc=10
BrightnessBattery=5
CStatesCtrl=Enabled
Camera=Enabled
CapsuleFirmwareUpdate=Enabled
CpuXdSupport=Enabled
DisOsdBtn=Disabled
EmbNic1=EnabledPxe
EmbSataRaid=Ahci
EnergyStarLogo=Disabled
ExtPostTime=0s
ExternalHotKey=Enabled
FanCtrlOvrd=Disabled
Fastboot=Thorough
;FirstPowerOnDate=20170731
FnLock=Enabled
FnLockMode=DisableStandard
ForcePxeOnNextBoot=Enabled
FullScreenLogo=Disabled
GpsRadio=Disabled
HdFreeFallProtect=Enabled
```

```
IntegratedAudio=Enabled
InternalSpeaker=Enabled
KbdBacklightTimeoutAc=10s
KbdBacklightTimeoutBatt=10s
KeyboardIllumination=Bright
Keypad=EnabledByFnKey
LegacyOrom=Disabled
LogicProc=Enabled
M2PcieSsd0=Enabled
MasterPasswordLockout=Enabled
MediaCard=Enabled
;MfgDate=20170608
Microphone=Enabled
NumLock=Enabled
OnboardSoundDevice=Disabled
OromKeyboardAccess=Enabled
PasswordBypass=Disabled
PasswordLock=Enabled
PeakShiftBatteryThreshold=15
PeakShiftCfg=Disabled
PntDevice=Touchpad
PostMebxKey=Enabled
PowerLogClear=Keep
PowerWarn=Enabled
PrimaryBattChargeCfg=Adaptive
PropOwnTag=dell@12345
SHA256=Enabled
Sata0=Enabled
Sata1=Enabled
Sata2=Enabled
SdCard=Enabled
SdCardBoot=Disabled
SdCardReadOnly=Disabled
SecureBoot=Enabled
SfuEnabled=Yes
SleepMode=ForceS3
SmartErrors=Disabled
SoftGuardEn=SoftControlled
Speedstep=Enabled
StealthMode=Disabled
StrongPassword=Disabled
SvcTag=5BCH5H2
SwitchableGraphics=Disabled
ThermalLogClear=Keep
ThunderboltBoot=Disabled
ThunderboltPorts=Disabled
ThunderboltPreboot=Disabled
ThunderboltSecLvl=NoSec
Touchscreen=Enabled
TpmActivation=Enabled
;TpmClear=Disabled
TpmPpiAcpi=Enabled
TpmPpiClearOverride=Disabled
TpmPpiDpo=Disabled
TpmPpiPo=Disabled
TpmSecurity=Enabled
TrustExecution=Disabled
TurboMode=Enabled
TypeCPower=7.5W
UefiBootPathSecurity=AlwaysExceptInternalHdd
UefiNwStack=Disabled
UnobtrusiveMode=Disabled
UsbEmu=Enabled
UsbPortsExternal=Enabled
UsbPowerShare=Disabled
UsbProvision=Disabled
UsbWake=Disabled
;Uuid=4C4C4544-0042-4310-8048-B5C04F354832
Virtualization=Enabled
```

```
VtForDirectIo=Enabled
WakeOnDock=Enabled
WakeOnLan=Disabled
WarningsAndErr=PromptWrnErr
WatchdogTimer=Disabled
WirelessLan=Enabled
WirelessSwitchBluetoothCtrl=Enabled
WirelessSwitchCellularCtrl=Enabled
WirelessSwitchChanges=Disabled
WirelessSwitchGps=Enabled
WirelessSwitchUwb=Enabled
WirelessSwitchWlanCtrl=Enabled
WirelessUwb=Enabled
WirelessWwan=Enabled
WlanAutoSense=Disabled
WwanAutoSense=Disabled
```

5

Error codes and messages for Dell Command | Configure 4.2

This section documents the error messages and codes that are used in Dell Command | Configure .

Dell Command | Configure error codes and messages

The Dell Command | Configure utility checks your commands for correct syntax and valid input. When you enter a command, a message is displayed stating the results of the command.

On Windows operating systems, the error code file (**cctkerrorcodes.txt**) is provided in the installation directory.