Notes, cautions, and warnings

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

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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Introduction

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. You can use Dell Command | Configure on Microsoft Windows Preinstallation Environment (Windows PE), Windows Vista, Windows 7, Windows 8, Windows 8.1, and Windows 10 operating systems, and Red Hat Enterprise Linux environments.

**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.

What’s new in this release

The new features for this release include:

- Support for Windows 10 operating system.
- Support for Windows PE 10.0.
- Support for new platforms
- Ability to provide feedback on Dell Command | Configure from the GUI.
- Support for the additional languages.
- Ability to install the application in the supported languages using .mst files.
- Support for an enhanced GUI for providing system, setup, and hard disk drive passwords while exporting the .exe file.
- Support for configuring hard disk drive password using the GUI.
- Support for configuring the options associated with the stealth mode feature including, Bluetooth radio (\texttt{--bluetoothstealthmode}), fan (\texttt{--fanstealthmode}), GPS (\texttt{--gpsstealthmode}), LCD screen backlight (\texttt{--lcdstealthmode}), LEDs (\texttt{--ledstealthmode}), onboard speakers (\texttt{--speakersstealthmode}), WiGig radio (\texttt{--wigigradiostealthmode}), WLAN (and WiGig) radio (\texttt{--wlanstealthmode}), and WWAN (and WiGig) radio (\texttt{--wwanstealthmode}) options.
- Support for delaying the time of action taken by the system. See, \texttt{--extendposttime} option.
- Support for configuring the external WLAN indicator LED. See, \texttt{--extwlanled} option.
- Support for configuring the Intel Ready Mode Technology. See, \texttt{--irmt} option.
- Support for configuring the keyboard backlight color for the rugged systems. See, \texttt{keyboardbacklightcolor} option.
- Support for configuring the primary video device slot for the rugged systems. See, \texttt{--primaryvideodeviceslot} option.
- Support for configuring all the non-video devices (serial, audio, LAN, and USB ports) on a rugged dock. See, \texttt{--rdocknonvideodevices} option.
- Support for configuring the USB ports 20, 21, 22, 23. See, \texttt{--usbport20}, \texttt{--usbport21}, \texttt{--usbport22}, and \texttt{--usbport23} options.
• Support for configuring the effect of physical wireless switch on the GPS radio of the wireless WAN card. See, `--wswitchgpsonwwanradio` option.

• Support for configuring the effect of physical wireless switch on wireless LAN and WiGig radio. See, `--wswitchwlanwigigctrl` option.

**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](dell.com/dellclientcommandsuitemanuals).
Command line interface

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 used to configure BIOS settings for client systems.

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

3. 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>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>Prefix single-character options.</td>
</tr>
<tr>
<td>--</td>
<td>Prefix multi-character options.</td>
</tr>
<tr>
<td>utilname</td>
<td>Indicates the generic designation for a Dell Command</td>
</tr>
<tr>
<td>-o</td>
<td>Indicates the generic single-character designation for an option.</td>
</tr>
<tr>
<td>optionX</td>
<td>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.</td>
</tr>
<tr>
<td>argX</td>
<td>Indicates the generic designation for an argument, where you can use X to distinguish multiple arguments used in the same command line instance.</td>
</tr>
<tr>
<td>[mandatory option]</td>
<td>Indicates the generic designation for a mandatory argument.</td>
</tr>
<tr>
<td>&lt;string&gt;</td>
<td>Indicates the generic designation for a string.</td>
</tr>
<tr>
<td>&lt;filename&gt;</td>
<td>Indicates the generic designation for a filename.</td>
</tr>
<tr>
<td>[ ]</td>
<td>Indicates a component of the command line. Enter only the information within the brackets and exclude the brackets.</td>
</tr>
<tr>
<td>...</td>
<td>Indicates that the previous argument can be repeated several times in a command. Enter only the information within the ellipses and exclude the ellipses.</td>
</tr>
<tr>
<td>Element</td>
<td>Description</td>
</tr>
<tr>
<td>---------</td>
<td>-------------</td>
</tr>
<tr>
<td></td>
<td>Separates mutually exclusive choices in a syntax line. For example: numlock: Turns the keyboard number lock on or off. Arguments: on+</td>
</tr>
<tr>
<td></td>
<td>Enter only one choice: --numlock=on, --numlock= off</td>
</tr>
</tbody>
</table>

**Case sensitivity**

Command line options, pre-defined and user-defined arguments, and filenames given as arguments are all case-sensitive. Unless specified otherwise, enter all commands, options, arguments, and command line switches in lowercase letters.

**Command line option delimiters**

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

**Table 2. Valid and invalid command line options**

<table>
<thead>
<tr>
<th>Valid or Invalid</th>
<th>Dell Command</th>
<th>Configure Command Line</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>valid</td>
<td>cctk --option1 --option2</td>
<td>cctk --asset --mem</td>
<td></td>
</tr>
<tr>
<td>invalid</td>
<td>cctk --option1=[argument] --option2 --option3</td>
<td>cctk --asset=1750 --floppy --biosromsize</td>
<td></td>
</tr>
<tr>
<td>valid</td>
<td>cctk -o=filename --option1 --option2</td>
<td>cctk -o=/tmp/myfile.txt --mem --sysname</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or</td>
<td></td>
<td>or</td>
</tr>
<tr>
<td></td>
<td>cctk -o filename --option1 --option2</td>
<td>cctk -o /tmp/myfile.txt --mem --sysname</td>
<td></td>
</tr>
<tr>
<td>valid</td>
<td>cctk -l=filename--option1 --option2</td>
<td>cctk -l=/tmp/myfile.txt--mem --sysname</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or</td>
<td></td>
<td>or</td>
</tr>
<tr>
<td></td>
<td>cctk -l filename --option1 --option2</td>
<td>cctk -l /tmp/myfile.txt--mem --sysname</td>
<td></td>
</tr>
<tr>
<td>invalid</td>
<td>cctk -i=filename --option1 --option2</td>
<td>cctk -i=/tmp/myfile.txt --mem --sysname</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or</td>
<td></td>
<td>or</td>
</tr>
<tr>
<td></td>
<td>cctk -i filename --option1 --option2</td>
<td>cctk -i /tmp/myfile.txt --mem --sysname</td>
<td></td>
</tr>
<tr>
<td>valid</td>
<td>cctk --option=argument</td>
<td>cctk --embnic1=on</td>
<td></td>
</tr>
</tbody>
</table>

**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 3. Read and write options

<table>
<thead>
<tr>
<th>Valid or Invalid</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>valid</td>
<td>cctk --option1 --option2</td>
</tr>
<tr>
<td>valid</td>
<td>cctk --option1=arg --option2=arg</td>
</tr>
</tbody>
</table>

**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.

**Log files**

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.
Dell Command | Configure options

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 Vista 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 Vista or later without administrator rights, the following error message is displayed: 'admin/root' privileges required to execute this application.

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**

  **Valid Argument**
  
  none or <valid option name>

  **Description**
  
  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 argument 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).
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+

-i or --infile

Valid Argument <filename>

Description

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.

Example

C:\>cctk -i <c:\cctk>/filename.ini
-l or --logfile

Valid Argument  

<filename>

Description  

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

Valid Argument  

NA

Description  

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

Valid Argument  

<filename>

Description  

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.

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>/logfile

--propowntag

Valid Argument
NA

Description
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.

Example
C:\>cctk --propowntag

--version

Valid Argument
Read-only

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

Example
C:\>cctk --version
Dell Command Configure Version 3.1.0 258 (Windows - Feb 25 2015, 14:38:43)
Copyright (c) 2014 Dell Inc.

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 display 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.
--acpower

Valid Argument  off, last, on

Description  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.

Example  C:\>cctk --acpower=off
          acpower=off

--activityled

Valid Argument  actled, wlan, disable

Description  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.
•  disable  —  Sets the Activity LED to off.

Example  C:\>cctk --activityled=actled
          activityled=actled

--adddevice

Valid Argument  usb

Description  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

--adjcacheprefetch

Valid Argument  enable, disable

Description  Enables or disables the adjacent cache line prefetch.

•  enable  —  The processor fetches the cache line containing the currently requested data, and pre-fetches the following cache line.
• **disable** — The processor fetches only the cache line containing the currently requested data.

**Example**

C:\>cctk --adjcacheprefetch=enable
adjcacheprefetch=enable

---

**--admsetuplockout**

**Valid Argument**

 enable, disable

**Description**

Enables or disables the admin setup lockout.

• **enable** — 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.

• **disable** — User can view the Setup screens without entering administrator password even if the administrator password is set in the system.

**Example**

C:\>cctk --admsetuplockout=enable
admsetuplockout=enable

---

**--advbatterychargecfg**

**Valid Argument**

 enable, disable

**Description**

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](image)

**NOTE**: The value of hour must be in the range 0–23 and minute must be 0, 15, 30, or 45.

**Example**

To enable the advanced battery charging mode:

C:\>cctk --advbatterychargecfg=enable
advbatterychargecfg=enable

To enable the advanced battery charging mode on specific days for a specific period:

C:\>cctk --advbatterychargecfg=enable,mon-10:00/08:00,tue-13:45/06:00

To disable the advanced battery charging mode:

C:\>cctk --advbatterychargecfg=disable
advbatterychargecfg=disable
--agpaperturesize
Valid Argument: 8M, 16M, 32M, 64M, 128M, 256M
Description: 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.

Example:
C:\>cctk --agpaperturesize=8M
agpaperturesize=8M

--agpslot
Valid Argument: enable, disable
Description: Enables or disables on-board AGP slot.

Example:
C:\>cctk --agpslot=enable
agpslot=enable

--alarmresume
Valid Argument: enable, disable
Description: Allows or prevents the system to resume from the suspended mode.

- enable — System alarm resumes the system from the suspended mode.
- disable — System alarm prevents the system to resume from the suspended mode.

Example:
C:\>cctk --alarmresume=enable
alarmresume=enable

--amblightsen
Valid Argument: enable, disable
Description: Enables or disables the ambient light sensor.

Example:
C:\>cctk --amblightsen=enable
amblightsen=enable

--asfmode
Valid Argument: on, off, alertonly, dash
Description: 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.

Example

```
c:\>cctk --asfmode=on
asfmode=on
```

--asset

**Valid Argument**  
<string>

**Description**  
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.

Example

```
c:\>cctk --asset=ASSETTAG
```

--assignintr

**Valid Argument**  
standard, distributed

**Description**  
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.

Example

```
c:\>cctk --assignintr=distributed
assignintr=distributed
```

--atgsystem

**Valid Argument**  
on, off

**Description**  
Sets or removes the Complementary Metal Oxide Semiconductor (CMOS) bit to indicate whether the system uses an All Terrain Gear (ATG) base or not.

Example

```
c:\>cctk --atgsystem=off
atgsystem=off
```

--audiomode

**Valid Argument**  
disable, halfduplex, fullduplex

**Description**  
Sets the audio mode to any of the following values:

- **disable** — Completely releases the onboard hardware resources.
- **halfduplex** — Allows only record or playback at a time.
- **fullduplex** — Allows record and playback simultaneously.

Example

```
c:\>cctk --audiomode=halfduplex
audiomode=halfduplex
```
**--autoon**

**Valid Argument**

Disable, Weekdays, Every Day, Select Days

**Description**

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.

- **disable** — 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=disable
autoon=disable

**--autoonhr**

**Valid Argument**

integers ranging from 0 to 23

**Description**

Sets the auto on configuration in hours.

**Example**

C:\>cctk --autoonhr=5
autoonhr=5

**--autoonmn**

**Valid Argument**

integers ranging from 0 to 59

**Description**

Sets the auto on configuration in minutes.

**Example**

C:\>cctk --autoonmn=30
autoonmn=30

**--backcamera**

**Valid Argument**

enable, disable

**Description**

Enables or disables the camera available at the back of the system.

- **enable** — Enables the camera available at the back of the system.
- **disable** — Disables the camera available at the back of the system.

**Example**

C:\>cctk --backcamera=enable
backcamera=enable

**--batteryslicecfg**

**Valid Argument**

standard, express

**Description**

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.

Example
C:\>cctk --batteryslicecfg=standard
batteryslicecfg=standard

--bezelir

Valid Argument: enable, disable

Description: Sets the Embedded Server Management (ESM) configuration.

Example
C:\>cctk --bezelir=enable
bezelir=enable

--bioscharacteristics

Valid Argument: Read-only

Description: 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 (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.

Example
C:\>cctk --bioscharacteristics
bioscharacteristics=1700007d019b90

--bioscurlang

Valid Argument: Read-only

Description: Displays the selected language for the BIOS.
```
Example
C:\>cctk --bioscurlang
bioscurlang=en|US|iso8859-1

--bioslistinstalllang
Valid Argument Read-only
Description Displays a list of installable languages for the BIOS.
Example C:\>cctk --bioslistinstalllang
bioslistinstalllang=en|US|iso8859-1

--biosromsize
Valid Argument Read-only
Description Displays the physical size of this BIOS Read Only Memory (ROM) device in kilobytes.
Example C:\>cctk --biosromsize
biosromsize=2048kb

--biosver
Valid Argument Read-only
Description Displays the BIOS version for a system.
Example C:\>cctk --biosver
biosver=A19

--bisreq
Valid Argument accept, deny, reset
Description Accepts, denies, or resets the Boot Integrity Services (BIS) in BIOS.
Example C:\>cctk --bisreq=accept
bisreq=accept

--bitsmart
Valid Argument enable, disable
Description Enables or disables Bitsmart.
Example C:\>cctk --bitsmart=enable
bitsmart=enable
```
---blinkpsu1led

Valid Argument: enable

Description: 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.

Example: C:\>cctk --blinkpsu1led=enable
blinkpsu1led=enable

---blinkpsu2led

Valid Argument: enable

Description: 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.

Example: C:\>cctk --blinkpsu2led=enable
blinkpsu2led=enable

---blocks3

Valid Argument: enable, disable

Description: 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.

Example: C:\>cctk --blocks3=enable
blocks3=enable

---bltinfloppy

Valid Argument: disable, auto

Description: Enables or disables built-in floppy controller.

Example: C:\>cctk --bltinfloppy=disable
bltinfloppy=disable
--bltinpntdevice

Valid Argument  enable, disable
Description  Enables or disables built-in pointing device.
Example  C:\>cctk --bltinpntdevice=disable
            bltinpntdevice=disable

--bluetoothdevice

Valid Argument  enable, disable
Description  Enables or disables bluetooth device.
Example  C:\>cctk --bluetoothdevice=disable
            bluetoothdevice=disable

--bluetoothstealthmode

Valid Argument  unchanged, turnoff
Description  Configures the state of bluetooth radio depending on the Stealth mode is enabled or disabled.
•  turnoff — Turns of the bluetooth radio if the stealth mode is enabled.
•  unchanged — Retains the current state of the bluetooth.
Example  C:\>cctk --bluetoothstealthmode=turnoff
            bluetoothstealthmode=turnoff

bootorder

Valid Argument  None
Description  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 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 devices are:
• floppy — floppy disk
• usbf floppy — USB floppy disk
• hdd — hard disk
• cdrom — CD-ROM
• usbcdrom — USB CD-ROM
• pcmcia — PCMCIA device
• usbdev — USB device
• usbhdd — USB hard disk
• embnic — embedded NIC
• nic — NIC
• usbzip — USB ZIP
• usbdevzip — USB device ZIP
• bev — BEV 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
Description
Activates the boot list to UEFI or Legacy. On reboot, the system boots based on the boot list specified.

NOTE: With --activebootlist, do not specify any other sub options, such as --sequence, --enabledevice, and --disabledevice.

Example
C:\>cctk bootorder --activebootlist=uefi

--bootlisttype
Description
Specifies the boot list as UEFI or Legacy. If you want to run any bootorder options, such as sequence, enabledevice, and so on, on the UEFI boot list, you must specify this sub option with UEFI argument. The supported arguments are Legacy and UEFI.

If --bootlisttype is not specified, running the bootorder sub options applies changes on the Legacy boot list.

Example
C:\>cctk bootorder --bootlisttype=uefi
With the `--bootlisttype=uefi` option, you can specify the following sub options: `--sequence`, `--enabledevice`, and `--disabledevice`.

```bash
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 --valuesetuppwd=password
```

### --disabledevice

**Description**

Disables a device in the boot sequence. Use the device number or device short form as the argument.

**Example**

```bash
C:\>cctk bootorder --disabledevice=embnic,hdd.1
```

or

```bash
C:\>cctk bootorder --disabledevice=1,3
```

**Example With Sub Options**

```bash
C:\>cctk bootorder --sequence=hdd.1,floppy --enabledevice=cdrom,hdd.2 --disabledevice=nic.1,hdd.3
```

### --enabledevice

**Description**

Enables a device in the boot sequence. Use the device number or device short form as the argument.

**Example**

```bash
C:\>cctk bootorder --enabledevice=embnic,hdd.1
```

or

```bash
C:\>cctk bootorder --enabledevice=1,3
```

### --sequence

**Description**

Sets the bootorder based on the arguments provided. Use the device number or device short form as the argument.

**Example**

```bash
C:\>cctk bootorder --sequence=embnic,hdd.1
```

or

```bash
C:\>cctk bootorder --sequence=1,3
```

**Example for Unknown Devices**

```bash
C:\>cctk bootorder --sequence=x01.1,x01.2
```

### --bootseqset

**Valid Argument**

diskettefirst, harddiskonly, devlist, cdromfirst

**Description**

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).

**Example**
C:\>cctk --bootseqset=diskettefirst
bootseqset=diskettefirst

**--bootspeed**

**Valid Argument**
default, compatible

**Description**
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**.

**Example**
C:\>cctk --bootspeed=default
bootspeed=default

**--boottimevideo**

**Valid Argument**
onboard, addin

**Description**
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.

**Example**
C:\>cctk --boottimevideo=onboard
boottimevideo=onboard

**--busratio**

**Valid Argument**
max, 6.0x, 7.0x, 7.5x, 8.0x, 8.5x, 9.0x, 9.5x

**Description**
Sets the bus ratio in CPU.

**Example**
C:\>cctk --busratio=max
busratio=max

**--camera**

**Valid Argument**
enable, disable

**Description**
Enables or disables camera.
**Example**

```
C:\>cctk --camera=disable
camera=disable
```

**--cellularradio**

**Valid Argument**  
enable, disable

**Description**  
Enables or disables the cellular radio, also called as the Wireless Wide Area Network (WWAN) module.

**Example**

```
C:\>cctk --cellularradio=disable
cellularradio=disable
```

**--charger**

**Valid Argument**  
enable, disable

**Description**  
Enables or disables the battery charging system.

**NOTE:** When the system is turned off, the battery charger is enabled.

**Example**

```
C:\>cctk --charger=enable
charger=enable
```

**--chasintrusion**

**Valid Argument**  
enable, disable, silentenable

**Description**  
Enables or disables the system to detect and report chassis intrusion events to the system display on boot-up.

**Example**

```
C:\>cctk --chasintrusion=enable
chasintrusion=enable
```

**--chassisintrustatus**

**Valid Argument**  
dooropen, tripped, doorclosed, tripreset

**Description**  
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.

**Example**

```
C:\>cctk --chassisintrustatus=tripreset
chassisintrustatus=tripreset
```
--clearsel
Valid Argument yes, no
Description Allows the system to erase or retain the contents of the system event log when the system boots the next time.
Example C:\>cctk --clearsel=no
clearsel=no

--cmosdefaults
Valid Argument enable, disable
Description Enables or disables the request for a default of CMOS values when the system reboots.
Example C:\>cctk --cmosdefaults=enable
cmosdefaults=enable

--completioncode
Valid Argument Read-only
Description Displays the completion code of an update operation performed by BIOS in the recent shutdown or reboot operation. For more information, see Completion Code.
Example C:\>cctk --completioncode
completioncode=FFFF

--controlwlanradio
Valid Argument enable, disable
Description When enabled, this feature disables the Wireless Local Area Network (WLAN) radio if the system is connected to a wired network and vice-versa.
Example C:\>cctk --controlwlanradio=enable
controlwlanradio=enable

--controlwwanradio
Valid Argument enable, disable
Description When enabled, this feature disables the WWAN radio if the system is connected to a wired network and vice-versa.
Example C:\>cctk --controlwwanradio=enable
controlwwanradio=enable
--coolnquiet
Valid Argument enable, disable
Description Enables or disables AMD cool and quiet processor feature.
Example C:\>cctk --coolnquiet=enable
coolnquiet=enable

--cpucore
Valid Argument 1, 2, 4, 6, 8, 10, 12, all
Description Controls the number of enabled cores in each processor. By default, maximum number of cores per processor are enabled.
Example C:\>cctk --cpucore=all
cpucore=all

--cpucount
Valid Argument Read-only
Description Displays the number of processors in the system.
Example C:\>cctk --cpucount
cpucount=1

--cpuspeed
Valid Argument Read-only
Description Displays the current speed of the processor.
Example C:\>cctk --cpuspeed
cpuspeed=2800MHz

--cpuxdsupport
Valid Argument enable, disable
Description Enables or disables the CPU eXecute Disable (XD) feature support.
Example C:\>cctk --cpuxdsupport=enable
cpuxdsupport=enable
---cstatesctrl

**Valid Argument**
- `enable`, `disable`

**Description**
Enables or disables the C states.

- **enable** — Processor can operate in all available Power C states.
- **disable** — No C states available for the processor.

**Example**
```
C:\>cctk --cstatesctrl=enable
cstatesctrl=enable
```

---dbpm

**Valid Argument**
- `enable`, `disable`

**Description**
Enables or disables demand-based power management.

**Example**
```
C:\>cctk --dbpm=enable
dbpm=enable
```

---dbs

**Valid Argument**
- `enable`, `disable`

**Description**
Enables or disables demand-based power management.

**Example**
```
C:\>cctk --dbs=enable
dbs=enable
```

---deepsleepctrl

**Valid Argument**
- `s5only`, `s4ands5`, `disable`

**Description**
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 **s4 and s5** 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.

**Example**
```
C:\>cctk --deepsleepctrl=s5only
deebsleepctrl=s5only
```
--diskettereconfig

Valid Argument anytime, atbootonly

Description 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.

Example C:\>cctk --diskettereconfig=anytime
diskettereconfig=anytime

--displayclosestate

Valid Argument active, suspend

Description 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.
• suspend — system will be forced to suspend when the system lid is closed.

Example C:\>cctk --displayclosestate=active
displayclosestate=active

--dockdisplayport1vs

Valid Argument integrated, external

Description Configures the source for the High-Definition Multimedia Interface (HDMI) and display port 1 on the dock.

• integrated — Uses the integrated video controller as video source.
• external — Uses the external video controller as video source.

Example C:\>cctk --dockdisplayport1vs=integrated
dockdisplayport1vs=integrated

--dramprefetch

Valid Argument enable, disable

Description Sets the Dynamic Random Access Memory (DRAM) to the following:

• disable — Disables DRAM references from triggering DRAM prefetch requests.
• enable — Enables DRAM references from triggering DRAM prefetch requests.

Example C:\>cctk --dramprefetch=enable
dramprefetch=enable
--drmt
Valid Argument enable, disable
Description 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.
Example C:\>cctk --drmt=enable
drmt=enable

--embideraid
Valid Argument on, off
Description Enables or disables the embedded Integrated Development Environment (IDE) Redundant Array of Independent Disks (RAID) controller.
Example C:\>cctk --embideraid=enable
embideraid=enable

--embideraid2
Valid Argument on, off
Description Enables or disables the second embedded IDE RAID controller.
Example C:\>cctk --embideraid2=on
embideraid2=on

--embnic1
Valid Argument off, on, onnopxe, onwithiscsi, onwithrplboot, onwithimageserverboot
Description Defines the state of the built-in NIC.
NOTE: Onwithimageserverboot is used in the deployment of Dell SmartClient products.
Example C:\>cctk --embnic1=off
embnic1=off

--embnic2
Valid Argument on, off, onnopxe, onwithiscsi, onwithrplboot, onwithimageserverboot
Description Enables or disables the second embedded NIC.
Example
C:\>cctk --embnic2=on
embnic2=on

--embsataraid

Valid Argument   off, combined, ata, ahci, raid, qdma, smartresponse
Description     Configures the embedded Serial ATA (SATA) RAID controller.
Example         C:\>cctk --embsataraid=off
embsataraid=off

--embscsi1

Valid Argument   on, off
Description     Enables or disables the first Small Computer System Interface (SCSI) controller.
Example         C:\>cctk --embscsi1=on
embscsi1=on

--embscsi2

Valid Argument   on, off
Description     Enables or disables the second SCSI controller.
Example         C:\>cctk --embscsi2=on
embscsi2=on

--embsdcard

Valid Argument   off, on
Description     Enables or disables the embedded Secure Digital (SD) card.
Example         C:\>cctk --embsdcard=off
embsdcard=off

--embvideoctrl

Valid Argument   enable, disable
Description     Enables or disables the embedded video controller.
Example         C:\>cctk --embvideoctrl=enable
embvideoctrl=enable
--energystarlogo

Valid Argument: enable, disable

Description: Displays or hides the Energy Star logo during POST.

Example:
C:\>cctk --energystarlogo=enable
energystarlogo=enable

--esataport

Valid Argument: auto, off

Description: Sets the external Serial ATA (e-sata) port to auto or off.

Example:
C:\>cctk --esataport=auto
esataport=auto

--esataports

Valid Argument: enable, disable

Description: 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.

Example:
C:\>cctk --esataports=enable
esataports=enable

--expresscard

Valid Argument: enable, disable

Description: Enables or disables the express card port that allows the user to insert an express card to configure it.

Example:
C:\>cctk --expresscard=enable
expresscard=enable

--expresscharge

Valid Argument: enable, disable, once

Description: Enables or disables the express charge battery charge algorithm. The once argument enables the system to use express charge algorithm for one charge cycle.

Example:
C:\>cctk --expresscharge=enable
expresscharge=enable
--externalhotkey

Valid Argument: disable, scrolllock

Description: 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.

Example: C:\>cctk --externalhotkey=disable externalhotkey=disable

--extendposttime

Valid Argument: 0, 5, 10

Description: Delays the time of action taken by the system after pressing function keys such as F2,F12, etc. during post time.

- 0 — Does not delay the time of action.
- 5 — Delays the time of action by five seconds.
- 10 — Delays the time of action by ten seconds.

Example: C:\>cctk --extendposttime=5 extendposttime=5

--extwlanled

Valid Argument: enable, disable

Description: Enables or disables the external (lid-mounted) WLAN indicator LED.

- enable — The LED displays the state of the WLAN source activity.
- disable — The LED does not display the state of the WLAN source activity.

Example: C:\>cctk --extwlanled=enable extwlanled=enable

--fanctrlovrd

Valid Argument: enable, disable

Description: Controls the speed of the fan.

Example: C:\>cctk --fanctrlovrd=disable fanctrlovrd=disable
--fanspeed

Valid Argument  auto, high, medium, medium_high, medium_low, low
Description  Sets the speed of the fan. If set to auto the system run-time sets the speed of the fan.
Example  C:\>cctk --fanspeed=auto
          fanspeed=auto

--fanstealthmode

Valid Argument  unchanged, turnoff
Description  Configures the state of the fans depending on 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.
Example  C:\>cctk --fanstealthmode=turnoff
          fanstealthmode=turnoff

--fastboot

Valid Argument  thorough, minimal, automatic
Description  Enables fast booting.
  • thorough — Sets POST to perform complete hardware and configuration testing.
  • minimal — Sets POST to perform minimal hardware testing.
  • automatic — Allows the BIOS to decide what level of POST test is used.
Example  C:\>cctk --fastboot=thorough
          fastboot=thorough

--firstpowerondate

Valid Argument  Read-only
Description  Displays the date on which the system was first turned on.
Example  C:\>cctk --firstpowerondate
          firstpowerondate=20100317
--flashcachemodule

Valid Argument enable, disable

Description Enables or disables the Ready Boost and Ready Cache functionality.

Example C:\>cctk --flashcachemodule=disable
flashcachemodule=disable

--floppy

Valid Argument on, off, auto, readonly, usb

Description 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.

Example C:\>cctk --floppy=on
floppy=on

--fnlock

Valid Argument enable, disable

Description Controls the behavior of the dual-function keys, when the <Fn> key is pressed.
- enable — Press and hold the <Fn> key to enable the functions of the function keys (<F1> — <F12>).
- disable — Press and hold the <Fn> key to enable the secondary functions associated with the particular key.

Example C:\>cctk --fnlock=enable
fnlock=enable

--fnlockmode

Valid Argument enable, disable

Description Controls the behavior of the dual-function keys (<F1> — <F12>), when <Fn> key is pressed and when it is not.
- enable — Press the function keys to use the primary function of the key.
- disable — Press the function keys to use the secondary function of the key.

Example C:\>cctk --fnlockmode=enable
fnlockmode=enable
--forcepxe

Valid Argument (enable, disable)
Description Enables or disables Preboot Execution Environment (PXE) as the first boot device on all subsequent boots.
Example C:\>cctk --forcepxe=enable
forcepxe=enable

--forcepxeonnexboot

Valid Argument (enable, disable)
Description 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.
Example C:\>cctk --forcepxeonnexboot=enable
forcepxeonnexboot=enable

--frontpanelerrdisplaymode

Valid Argument  (aller, firsterr)
Description 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.
Example C:\>cctk --frontpanelerrdisplaymode=aller
frontpanelerrdisplaymode=aller

--fsbr

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

Valid Argument off, on
Description Enables or disables high bandwidth Front Side Bus (FSB) application optimizations.
Example C:\>cctk --fsboptimize=off
                                   fsboptimize=off

--genencryption

Valid Argument enable, disable
Description Enables or disables general purpose encryption.
Example C:\>cctk --genencryption=enable
                                   genencryption=enable

--gpsradio

Valid Argument enable, disable
Description Enables or disables the internal Global Positioning System (GPS) radio.
• enable — Enables the internal GPS radio.
• disable — Disables the internal GPS radio.
Example C:\>cctk --gpsradio=enable
                                   gpsradio=enable

--gpsstealthmode

Valid Argument unchanged, turnoff
Description 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.
Example C:\>cctk --gpsstealthmode=turnoff
                                   gpsstealthmode=turnoff
--hdd1fanenable

Valid Argument: enable, disable

Description: Enables or disables the error checking on the FAN_HDD1 fan controller.

Example: C:\>cctk --hdd1fanenable=enable
           hdd1fanenable=enable

--hdd2fanenable

Valid Argument: enable, disable

Description: Enables or disables the error checking on the FAN_HDD2 fan controller.

Example: C:\>cctk --hdd2fanenable=enable
           hdd2fanenable=enable

--hdd3fanenable

Valid Argument: enable, disable

Description: Enables or disables the error checking on the FAN_HDD3 fan controller.

NOTE: If the fan controller detects a fan, it automatically enables it.

Example: C:\>cctk --hdd3fanenable=enable
           hdd3fanenable=enable

--hddacousticmode

Valid Argument: bypass, quiet, suggested, performance

Description: 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.

Example: C:\>cctk --hddacousticmode=bypass
           hddacousticmode=bypass

--hddfailover

Valid Argument: on, off

Description: 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.

Example
C:\>cctk --hddfailover=on
hddfailover=on

--hddinfo
Valid Argument Read-only
Description 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
Valid Argument on, off
Description 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.

Example
C:\>cctk --hddprotection=on
hddprotection=on

--hddpwd
Valid Argument <password>
Description 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.

Example
NOTE: Password containing special characters must be provided in double inverted commas (").
To set the password:
C:\>cctk --hddpwd=<password>

To change the password:
C:\>cctk --hddpwd=<old-password> --valhddpwd=<new-password>

To remove the password:
C:\>cctk --hddpwd= --valhddpwd=<old-password>

---hdfreefallprotect

Valid Argument: enable, disable
Description: Enables or disables hard drive free fall protection.
Example:
C:\>cctk --hdfreefallprotect=enable
hdfreefallprotect=enable

---hotdock

Valid Argument: enable, disable
Description: Enables or disables hot docking or undocking.
Example:
C:\>cctk --hotdock=enable
hotdock=enable

---htassist

Valid Argument: enable, disable
Description: Enables or disables the Probe Filter chipset option in the BIOS setup. The chipset feature affects the performance of some applications.
Example:
C:\>cctk --htassist=enable
htassist=enable

---htkeywxanradio

Valid Argument: enable, disable
Description: Enables or disables hotkey to toggle WxAN radio. Enabling this option allows to set wxanradio option. For more information, see --wxanradio.
Example:
C:\>cctk --htkeywxanradio=enable
htkeywxanradio=enable
--hwprefetcher
Valid Argument enable, disable
Description Enables or disables the CPU hardware prefetcher.
Example C:\>cctk --hwprefetcher=enable

--hwswprefetch
Valid Argument enable, disable
Description Enables or disables hardware prefetcher from considering software prefetches when detecting strides for prefetch requests.
Example C:\>cctk --hwswprefetch=enable

--idecdrom
Valid Argument auto, off
Description 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.
Example C:\>cctk --idecdrom=auto

--infrareddevice
Valid Argument disable, COM1, COM2, COM3, COM4
Description Sets the infrared port.
Example C:\>cctk --infrareddevice=COM1

--infraredmode
Valid Argument fast, slow
Description 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.
Example  
C:\>cctk --infraredmode=fast
infraredmode=fast

```
--instanton

Valid Argument  enable, disable
Description  Enables or disables the Latitude ON Instant ON feature.
Example  C:\>cctk --instanton=enable
instanton=enable

--integratedaudio

Valid Argument  enable, disable, auto
Description  Sets the status of the integrated sound device of the system.
Example  C:\>cctk --integratedaudio=enable
integratedaudio=enable

--integratedraid

Valid Argument  enable, disable
Description  Enables or disables the integrated RAID.
Example  C:\>cctk --integratedraid=enable
integratedraid=enable

--integratedsas

Valid Argument  enable, disable
Description  Enables or disables the integrated Serial Attached SCSI (SAS) controller.
Example  C:\>cctk --integratedsas=enable
integratedsas=enable

--integratedusbhub

Valid Argument  compatible, highspeed
Description  Sets the integrated USB hub to compatible or high speed.
Example  C:\>cctk --integratedusbhub=compatible
integratedusbhub=compatible
--integratedvideosize

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

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

Example C:\>cctk --integratedvideosize=1 MB
integratedvideosize=1 MB

--internalminipci

Valid Argument enable, disable
Description Enables or disables the internal mini PCI slot.

Example C:\>cctk --internalminipci=enable
internalminipci=enable

--internalusb

Valid Argument on, off
Description Turns the internal USB ports on or off.

Example C:\>cctk --internalusb=on
internalusb=on

--interrupt13hdma

Valid Argument enable, disable
Description Enables or disables the interrupt 13h Direct Memory Access (DMA) on boot.

Example C:\>cctk --interrupt13hdma=enable
interrupt13hdma=enable

--interwirelessuwb

Valid Argument enable, disable
Description Enables or disables Ultra Wide Band (UWB) card.

Example C:\>cctk --interwirelessuwb=enable
interwirelessuwb=enable
--intlrapidstart
Valid Argument: enable, disable
Description: Enables or disables the Intel Rapid Start Technology feature within the BIOS.
Example: C:\>cctk --intlrapidstart=enable
         intlrapidstart=enable

--intlsmartconnect
Valid Argument: enable, disable
Description: Enables or disables the Intel Smart Connect technology feature within the BIOS.
Example: C:\>cctk --intlsmartconnect=enable
         intlsmartconnect=enable

--ioat
Valid Argument: enable, disable
Description: Enables or disables the IO Acceleration Technology (IOAT) DMA Engine option. This feature should be enabled if the hardware and software support IOAT.
Example: C:\>cctk --ioat=enable
         ioat=enable

--iptt
Valid Argument: show, hide
Description: 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.
Example: C:\>cctk --iptt=show
         iptt=show

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--irsttimer

Valid Argument: integers ranging from 0 to 999

Description: 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.

Example: C:\>cctk --irsttimer=5
           irsttimer=5

--irmt

Valid Argument: enable, disable

Description: Enables or disables Intel Ready Mode Technology (iRMT).

Example: C:\>cctk --irmt=enable
           irmt=enable

keyboardbacklightcolor

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

Valid Argument: white, red, green, blue, customcolor1 customcolor2, and none.

Description: 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 by pressing Fn+C 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
Valid Argument  white, red, green, blue, customcolor1 and customcolor2
Description  Displays or sets an active color for the keyboard backlight. The available colors are white, red, green, blue, customcolor1 and customcolor2.
Example  cctk keyboardbacklightcolor --activecolor=green

--customcolor1
Valid Argument  Value range from 0 to 255 in an ‘R,G,B’ format
Description  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

--customcolor2
Valid Argument  value range from 0 to 255 in an ‘R,G,B’ format
Description  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

--keyboardbacklightonacpower
Valid Argument  enable, disable
Description  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.
   •  enable — Enables the keyboard backlight even after the 10 seconds of inactivity.
   •  disable — 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.

Example  C:\>cctk --keyboardbacklightonacpower=enable

--keyboardclick
Valid Argument enable, disable
Description Enables or disables the keyboard click sound.
Example C:\>cctk --keyboardclick=enable
keyboardclick=enable

--keyboardillumination
Valid Argument off, on/100, auto, 25, 50, 75
Description Sets the keyboard illumination to the required light intensity.
- off — Sets the illumination to off.
- on — Sets the illumination to 100 percent.
- auto — Sets the illumination based on ambient light level.
- 25 — Sets the illumination to 25 percent.
- 50 — Sets the illumination to 50 percent.
- 75 — Sets the illumination to 75 percent.
Example C:\>cctk --keyboardillumination=on
keyboardillumination=on

--keypad
Valid Argument enabledbynumlock, enabledbyfnkey
Description Enables the keypad in two different ways — numlock and function key.
Example C:\>cctk --keypad=enabledbynumlock
keypad=enabledbynumlock

--lastbiosupdate
Valid Argument Read-only
Description Identifies the major release of the system BIOS.
Example C:\>cctk --lastbiosupdate
lastbiosupdate=10/30/2009

--latitudeon
Valid Argument enable, disable
Description Enables or disables booting to Latitude ON.
--latitudeonflash

Valid Argument: enable, disable
Description: Enables or disables the ability to boot to the Latitude ON Flash module.
Example:
```cmd
C:\>cctk --latitudeonflash=enable
latitudeonflash=enable
```

--lcdstealthmode

Valid Argument: unchanged, turnoff
Description: Configures the state of the Liquid Crystal Display (LCD) screen backlight if Stealth mode is enabled or disabled.
- **unchanged** — Retains the current state of the LCD screen backlight.
- **turnoff** — Turns off the LCD screen backlight if Stealth is enabled.
Example:
```cmd
C:\>cctk --lcdstealthmode=turnoff
lcdstealthmode=turnoff
```

--ledstealthmode

Valid Argument: unchanged, turnoff
Description: 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.
Example:
```cmd
C:\>cctk --ledstealthmode=turnoff
ledstealthmode=turnoff
```

--legacyorom

Valid Argument: enable, disable
Description: Enables or disables the BIOS detection and the usage of Legacy expansion ROMs.

**NOTE:** You cannot enable **legacyorom** with Secure boot.
**--limitcpuidvalue**

Valid Argument: on, off

Description: 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.

Example: C:\>cctk --limitcpuidvalue=on

**--logicproc**

Valid Argument: enable, disable

Description: 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.

Example: C:\>cctk --logicproc=enable

**--lpt**

Valid Argument: lpt1, lpt2, lpt3

Description: 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.

Example: C:\>cctk --lpt=lpt1

**--lptmode**

Valid Argument: disable, at, ps2, ecp, epp, ecpdma1, ecpdma3

Description: Determines how the parallel ports operate. Set the parallel port to:
- **disable** — 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
```

**--mediacard**

**Valid Argument** enable, disable

**Description** Enables or disables the media card.

**Example**

```
C:\>cctk --mediacard=enable
mediacard=enable
```

**--mediacardand1394**

**Valid Argument** enable, disable

**Description** Enables or disables the media card and 1394 devices.

**Example**

```
C:\>cctk --mediacardand1394=enable
mediacardand1394=enable
```

**--mem**

**Valid Argument** Read-only

**Description** 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)).

**Example**

```
C:\>cctk --mem
mem=4096 MB
```

**--memdiagnostic**

**Valid Argument** enable, disable

**Description** Enables or disables the memory diagnostic.

**Example**

```
C:\>cctk --memdiagnostic=enable
memdiagnostic=enable
```
--memintleave

Valid Argument  enable, disable
Description   Enables or disables memory interleave mode.
Example       C:\>cctk --memintleave=enable
               memintleave=enable

--memremap

Valid Argument  off, auto
Description   Enables or disables memory remapping.
Example       C:\>cctk --memremap=off
               memremap=off

memtest

Valid Argument  enable, disable
Description   Enables or disables Power-on Self Test (POST) extended memory test.
Example       C:\>cctk --memtest=enable
               memtest=enable

--mfgdate

Valid Argument  Read-only
Description   Displays the manufacturing date of the system.
Example       C:\>cctk --mfgdate
               mfgdate=20100213

--microphone

Valid Argument  enable, disable
Description   Enables or disables the internal or external microphone.
Example  
C:\>cctk --microphone=enable  
  microphone=enable

--minicardssd

Valid Argument  enable, disable
Description  Enables or disables mini card Solid State Drive (SSD) module.
Example  
C:\>cctk --minicardssd=enable  
  minicardssd=enable

--minsizeofcontigmem

Valid Argument  read-only
Description  Displays the size of the minimum contiguous memory block.
Example  
C:\>cctk --minsizeofcontigmem  
  minsizeofcontigmem=0401

--mmioabove4gb

Valid Argument  enable, disable
Description  Configures the memory mapped IO above 4GB.
Example  
C:\>cctk --mmioabove4gb=enable  
  mmioabove4gb=enable
---mobilepowermgmt

**Valid Argument**
enable, disable

**Description**
Enables or disables the mobile system power management.

**Example**
C:\>cctk --mobilepowermgmt=enable
mobilepowermgmt=enable

---modulebaybatteryCfg

**Valid Argument**
standard, express

**Description**
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.

**Example**
C:\>cctk --modulebaybatteryCfg=standard
modulebaybatteryCfg=standard

---modulebaydevice

**Valid Argument**
enable, disable

**Description**
Enables or disables the module bay device, except the battery.

**Example**
C:\>cctk --modulebaydevice=enable
modulebaydevice=enable

---monitortoggling

**Valid Argument**
enable, disable

**Description**
Enables or disables monitor toggling.

**Example**
C:\>cctk --monitortoggling=enable
monitortoggling=enable

---mouse

**Valid Argument**
off, on

**Description**
Turns the mouse controller on or off.

**Example**
C:\>cctk --mouse=off
mouse=off
--multicpucore
Valid Argument: enable, disable
Description: 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.
Example: C:\>cctk --multicpucore=enable
multicpucore=enable

--multidisplay
Valid Argument: enable, disable
Description: Allows the users to enable or disable the multi-display feature. If enabled, the integrated and add-in Graphics (GFX) video is turned on.
Example: C:\>cctk --multidisplay=enable
multidisplay=enable

--nfc
Valid Argument: enable, disable
Description: Enables or disables the Near Field Computing (NFC) device.
Example: C:\>cctk --nfc=enable
nfc=enable

--nmibutton
Valid Argument: enable, disable
Description: 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.
Example: C:\>cctk --nmibutton=enable
nmibutton=enable

--numlock
Valid Argument: on, off
Description: Enables or disables the keyboard number lock.
Example: C:\>cctk --numlock=on
numlock=on
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</table>
--optimus

Valid Argument: enable, disable

Description: 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.

Example:
C:\>cctk --optimus=enable
optimus=enable

--optionalbootsequence

Valid Argument: enable, disable

Description: 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.

Example:
C:\>cctk --optionalbootsequence=enable
optionalbootsequence=enable

--optionalhddfan

Valid Argument: install, notinstall

Description: Installs or uninstalls the optional HDD fan installation.

Example:
C:\>cctk --optionalhddfan=install
optionalhddfan=install

--oromkeyboardaccess

Valid Argument: enable, disable, onetimeenable

Description: 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.

Example:
C:\>cctk --oromkeyboardaccess=enable
oromkeyboardaccess=enable

--oromuiprotection

Valid Argument: enable, disable

Description: Enables or disables the Administrator password prompt required to access the OptionROM user interface in the BIOS setup screen.
Example

C:\>cctk --oromipt=enable
    oromipt=enable

--osmode

Valid Argument enable, disable

Description

Turns operating system installation mode on or off.

Example

C:\>cctk --osmode=enable
    osmode=enable

oswatchdogtimer

Valid Argument enable, disable

Description

The watchdog-timer aids in the recovery of the operating system if the system stops responding.

Example

C:\>cctk --oswatchdogtimer=enable
    oswatchdogtimer=enable

--ovrwr

Valid Argument Read-only

Description

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.

Example

C:\>cctk -o=filename.ini --ovrwr
    The file filename has been overwritten.

--ownerpwd

Valid Argument <password>

Description

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 is 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 (").

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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
Valid Argument off, rebootbypass, resumebypass, rebootandresumebypass
Description Sets the password bypass feature.
Example C:\>cctk --passwordbypass=off
passwordbypass=off

---pccard
Valid Argument enable, disable
Description Enables or disables the PC card.
Example C:\>cctk --pccard=enable
pccard=enable

---pccardand1394
Valid Argument enable, disable
Description Enables or disables the PC card and 1394 devices.
Example C:\>cctk --pccardand1394=enable
pccardand1394=enable

---pci
Valid Argument Read-only
Description Performs a scan of all PCI buses and displays the results. This utility uses an open source pci.ids file for vendor or device name resolution. This utility looks for a file called pci.ids in the current working directory. If the file is not found in the current working directory, the directory containing the CCTK
executable is searched. If the -n option is used to specify a filename, this filename is used for resolution. If a specific filename is not given and the pci.ids file cannot be found, Unknown is printed for all vendor and device codes. For more information, see Completion Code.

NOTE: You can download the latest pci.ids file from pciids.sourceforge.net.

Example (the pci.ids filename is specified in the command line instance)

C:\>cctk --pci -n <location_of_pci.ids>
PCI Bus: 0, Device: 0, Function: 0
Vendor: 1166 - ServerWorks
Device: 0012 - CMIC-LE
Slot: 00
Class: 06 - Bridge
SubClass: 00 - CPU/PCI
PCI Bus: 0, Device: 0, Function: 1
Vendor: 1166 - ServerWorks
Device: 0012 - CMIC-LE
Slot: 00
Class: 06 - Bridge
SubClass: 00 - CPU/PCI
PCI Bus: 0, Device: 0, Function: 2
Vendor: 1166 - ServerWorks
Device: 0000 - Unknown

--pcibuscount

Valid Argument 64, 128, 256
Description Sets the maximum PCI bus count for the system.
Example C:\>cctk --pcibuscount=256
pcibuscount=256

--pcimmiospacesize

Valid Argument small, large
Description 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.

Example C:\>cctk --pcimmiospacesize=small
pcimmiospacesize=small
--pciresallocationratio

Valid Argument: allocateevenly, allocatemoretocpu1

Description: 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.

Example: C:\>cctk --pciresallocationratio=allocateevenly pciresallocationratio=allocateevenly

--pcisata

Valid Argument: enable, disable

Description: Enables or disables the PCI Serial ATA controller.

Example: C:\>cctk --pcisata=enable pcisata=enable

--pcislots

Valid Argument: enable, disable

Description: Enables or disables the add-in PCI slots of the system.

Example: C:\>cctk --pcislots=enable pcislots=enable

--pcmcia

Valid Argument: enable, disable

Description: Enables or disables the PCMCIA device slot.

Example: C:\>cctk --pcmcia=enable pcmcia=enable

--peakshiftbatterythreshold

Valid Argument: integers ranging from 15 to 100

Description: 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 0 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
Valid Argument
enable, disable
Description
Enables or disables the 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 using 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 are necessary. The values must be set in such a way that Peak shift start time <= Peak shift end time <= Peak shift charge start time.

NOTE: The value of hour must be in the range 0–23 and minute must be 0,15, 30, or 45. To set 12 a.m., provide the hour value as 00.

Example
To enable Peak Shift battery configuration:
C:\>cctk --peakshiftcfg=enable
peakshiftcfg=enable

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

To disable Peak Shift battery configuration:
C:\>cctk --peakshiftcfg=disable
peakshiftcfg=disable

--penmisindication
Valid Argument
enable, disable
Description
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 out of the retaining well.

Example
C:\>cctk --penmisindication=enable
penmisindication=enable
--penresumeon

Valid Argument: enable, disable
Description: Enables or disables the resume on pen setting.
Example: C:\>cctk --penresumeon=disable

--pntdevice

Valid Argument: externalserialonly, externalps2only, switcht.touchpad, switchtoexternalps2
Description: Sets the pointing device.
- externalserialonly — Sets the pointing device to external serial only.
- externalps2only — Sets the pointing device to external ps2 only.
- switchttouchpad — Sets the pointing device to switch to touch pad.
- switchtoexternalps2 — Sets the pointing device to switch to external ps2.
Example: C:\>cctk --pntdevice=externalserialonly

--postf12key

Valid Argument: enable, disable
Description: Enables or disables \(<F12>\) boot menu on POST boot screen.
Example: C:\>cctk --postf12key=enable

--postf2key

Valid Argument: enable, disable
Description: Enables or disables \(<F2>\) boot menu on POST boot screen.
Example: C:\>cctk --postf2key=enable

--posthelpdeskkey

Valid Argument: enable, disable
Description: Enables or disables display of the \(<\text{Ctrl}> + <h>\) help desktop hotkey message on the POST screen if Management Engine (ME) is alive and Client Initiated Remote Access (CIRA) is supported.
### --posthelpdeskkey

**Valid Argument**
- on, off

**Description**
Controls the display of the MEBx hotkey (<Ctrl> + <P>) at POST on the sign-on screen.

**Example**
```bash
C:\>cctk --posthelpdeskkey=enable
posthelpdeskkey=enable
```

### --powerbutton

**Valid Argument**
- enable, disable

**Description**
Enables or disables the power button.

**Example**
```bash
C:\>cctk --powerbutton=enable
powerbutton=enable
```

### --powermgmt

**Valid Argument**
- disable, minimum, regular, maximum

**Description**
Sets the power management settings.

**Example**
```bash
C:\>cctk --powermgmt=disable
powermgmt=disable
```

### --powerwarn

**Valid Argument**
- enable, disable

**Description**
Enables or disables performance limitation messages based on power supply capacity.

**Example**
```bash
C:\>cctk --powerwarn=enable
powerwarn=enable
```

### --primarybatterycfg

**Valid Argument**
- standard, express, ac, auto, custom

**Description**
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.
• **ac** — Charges battery while plugged-in.
• **auto** — 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 percentage, the stop value range should be 55–100 percentage, and the difference between the start and stop values should be greater than or equal to 5.

**Example**
```
C:\>cctk --primarybatterycfg=standard
primarybatterycfg=standard
```

**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.

**--primaryvideodeviceslot**

**Valid Argument**
```
0, 1-15, 255
```

**Description**
Configuring the slot for Primary video display.
- **0** — Sets the onboard video device slot as primary video device slot.
- **1-15** — Sets the specified slot number as a primary video device slot.
- **255** — Scans PCI buses and uses the first video device slot, found with video card as a primary video device.

**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 --primaryvideodeviceslot=0
primaryvideodeviceslot=0
```

**--primidemast**

**Valid Argument**
```
auto, off
```

**Description**
Enables or disables primary IDE master channel.

**Example**
```
C:\>cctk --primidemast=off
primidemast=off
```

**--primideslav**

**Valid Argument**
```
auto, off
```

**Description**
Enables or disables primary parallel IDE slave channel.

**Example**
```
C:\>cctk --primideslav=auto
primideslav=auto
```
**--promptonerr**

Valid Argument: enable, disable

Description: Enables or disables the BIOS from prompting for <F1> or <F2> on error.

Example:

```
C:\>cctk --promptonerr=enable
promptonerr=enable
```

**--pwdlock**

Valid Argument: lock, unlock

Description: 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.

Example:

```
C:\>cctk --pwdlock=lock
pwdlock=lock
```

**--radiotransmission**

Valid Argument: enable, disable

Description: Enables or disables the radio transmission from MiniPCI wireless or bluetooth module.

Example:

```
C:\>cctk --radiotransmission=enable
radiotransmission=enable
```

**--rdocknonvideodevices**

Valid Argument: enable, disable

Description: Enables or disables all the non-video devices (serial, audio, LAN, and USB ports) on a rugged dock.

Example:

```
C:\>cctk --rdocknonvideodevices=enable
rdocknonvideodevices=enable
```
--rearsingleusb

Valid Argument on, off

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

Example C:\>cctk --rearsingleusb=off
rearsingleusb=off

--rearusb

Valid Argument enable, disable

Description Enables or disables configuring the USB ports available at the back of the system.
- enable — Enables the USB ports available at the back of the system.
- disable — Disables the USB ports available at the back of the system.

Example C:\>cctk --rearusb=enable
rearusb=enable

--remotebiosupdate

Valid Argument enable, disable

Description Enables or disables the remote BIOS update.

Example C:\>cctk --remotebiosupdate=enable
remotebiosupdate=enable

--ringeventresume

Valid Argument enable, disable

Description Allows or prevents the system to resume from suspending an incoming call from an attached modem.

Example C:\>cctk --ringeventresume=enable
ringeventresume=enable

--rptkeyerr

Valid Argument enable, disable

Description Configures or reports if the BIOS reports keyboard errors during POST.
Example: `C:\>cctk --rptkeyerr=disable`
```
rptkeyerr=disable
```

--safeusb
- **Valid Argument**: `enable, disable`
- **Description**: 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.
- **Example**: `C:\>cctk --safeusb=enable`
```
safeusb=enable
```

--sata0
- **Valid Argument**: `auto, off`
- **Description**: Sets the SATA port 0 to off or auto.
- **Example**: `C:\>cctk --sata0=auto`
```
sata0=auto
```

--sata1
- **Valid Argument**: `auto, off`
- **Description**: Sets the SATA port 1 to off or auto.
- **Example**: `C:\>cctk --sata1=auto`
```
sata1=auto
```

--sata2
- **Valid Argument**: `auto, off`
- **Description**: Sets the SATA port 2 to off or auto.
- **Example**: `C:\>cctk --sata2=auto`
```
sata2=auto
```

--sata3
- **Valid Argument**: `auto, off`
- **Description**: Sets the SATA port 3 to off or auto.
- **Example**: `C:\>cctk --sata3=auto`
```
sata3=auto
```
--sata4

Valid Argument  auto, off
Description  Sets the SATA port 4 to off or auto.
Example  C:\>cctk --sata4=auto
          sata4=auto

--sata5

Valid Argument  auto, off
Description  Sets the SATA port 5 to off or auto.
Example  C:\>cctk --sata5=auto
          sata5=auto

--sata6

Valid Argument  auto, off
Description  Sets the SATA port 6 to off or auto.
Example  C:\>cctk --sata6=auto
          sata6=auto

--sata7

Valid Argument  auto, off
Description  Sets the SATA port 7 to off or auto.
Example  C:\>cctk --sata7=auto
          sata7=auto

--satactrl

Valid Argument  enable, disable
Description  Enables or disables all the SATA controllers. The option applies to all SATA controllers.
Example  C:\>cctk --satactrl=enable
          satactrl=enable
--satadipm

Valid Argument: enable, disable

Description: Enables and disables the feature that allows SATA HDDs to initiate link power management transitions.

Example:
```
C:\>cctk --satadipm=enable
satadipm=enable
```

--scndidemaster

Valid Argument: auto, off

Description: Enables or disables secondary parallel IDE master channel.

Example:
```
C:\>cctk --scndidemaster=on
scndidemaster=on
```

--scndideslave

Valid Argument: auto, off

Description: Sets the secondary parallel IDE master channel to off or auto.

Example:
```
C:\>cctk --scndideslave=auto
scndideslave=auto
```

--scsi3

Valid Argument: enable, disable

Description: Enables or disables the third built-in SCSI controller.

Example:
```
C:\>cctk --scsi3=enable
scsi3=enable
```

--secureboot

Valid Argument: enable

Description: 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.
### --serial1

**Valid Argument**

disable, auto, com1, com2, com3, com4, com1_bmc, bmcserial, bmclan, rac

**Description**

Defines the serial port 1 configuration.

**Example**

C:\>cctk --serial1=disable

serial1=disable

---

### --serial2

**Valid Argument**

disable, auto, com2, com4

**Description**

Defines the serial port 2 configuration.

**Example**

C:\>cctk --serial2=disable

serial2=disable

---

### --serialcomm

**Valid Argument**

off, on, com1cr, com2cr

**Description**

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.

**Example**

C:\>cctk --serialcomm=off

serialcomm=off

---

### --serrdmimsg

**Valid Argument**

on, off

**Description**

Turns the serr Dmi messages on or off.

**Example**

C:\>cctk --serrdmimsg=on

serrdmimsg=on
--setuppwd

Valid Argument <password>

Description 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>

--sfuenabled

Valid Argument yes, no

Description 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.

Example
C:\>cctk --sfuenabled=yes
sfuenabled=yes

--sideusb

Valid Argument enable, disable

Description Enables or disables USB ports available on the side.
• enable — Enables the USB ports available on the side.
• disable — Disables the USB ports available on the side.

Example
C:\>cctk --sideusb=enable
sideusb=enable

--sma

Valid Argument enable, disable

Description Enables or disables the processor sequential memory access.
Example

C:\>cctk --sma=disable
sma=disable

--smartcardreader

Valid Argument enable, disable
Description Enables or disables the smart card reader.
Example C:\>cctk --smartcardreader=enable
smartcardreader=enable

--smartcpu

Valid Argument enable, disable
Description Enables or disables system’s smart CPU during low system activity.
Example C:\>cctk --smartcpu=enable
smartcpu=enable

--smarterrors

Valid Argument enable, disable
Description Enables or disables SMART errors.
Example C:\>cctk --smarterrors=enable
smarterrors=enable

--snoopfilter

Valid Argument enable, disable
Description Enables or disables the snoop filter option from the system BIOS.
Example C:\>cctk --snoopfilter=enable
snoopfilter=enable

--speaker

Valid Argument on, off
Description Turns the built-in speakers on or off.
Example C:\>cctk --speaker=enable
speaker=enable
## --speakersstealthmode

**Valid Argument**
unchanged, turnoff

**Description**
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.

**Example**
```shell
C:\>cctk --speakersstealthmode=turnoff
speakersstealthmode=turnoff
```

## --speakervol

**Valid Argument**
enable, disable, low, medium, high

**Description**
Controls the volume of the speaker.

- **enable** — Enables the built-in speaker. The speaker is enabled at the single system-supported volume. This should be used only if the Speaker Volume Low/Medium/High attributes are not supported by the system.
- **disable** — Disables 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.

**Example**
```shell
C:\>cctk --speakervol=low
speakervol=low
```

## --speedstep

**Valid Argument**
automatic, disable, maxperformance, maxbattery

**Description**
Sets the speedstep status to automatic, disable, maxperformance, or maxbattery.

**Example**
```shell
C:\>cctk --speedstep=automatic
speedstep=automatic
```

## --splashscreen

**Valid Argument**
enable or disable

**Description**
Enables or disables the display of the splash or summary screen, rather than the detail of the POST flow.
### --sriov

**Valid Argument**: enable, disable  
**Description**: Enables or disables BIOS support for Single Root I/O Virtualization (SR-IOV) devices.  
**Example**:  
```
C:\>cctk --sriov=enable
sriov=enable
```

### --standbystate

**Valid Argument**: s1, s3  
**Description**: Sets the system to ACPI S1 or S3 sleeping state when the systems enters standby mode.  
**Example**:  
```
C:\>cctk --standby=s1
standby=s1
```

### --stealthmode

**Valid Argument**: enable, disable  
**Description**: 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**
---strongpwd

Valid Argument enable, disable
Description Enables to enforce a strong password.
Example C:\>cctk --strongpwd=enable

---surroundview

Valid Argument enable, disable
Description 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.
Example C:\>cctk --surroundview=enable

---svctag

Valid Argument Read-only
Description Displays the service tag for a system.
Example C:\>cctk --svctag

---switchablegraphics

Valid Argument enable, disable
Description 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.
Example C:\>cctk --switchablegraphics=enable

---sysbatcharger

Valid Argument enable, disable
Description Enables or disables the battery charging system.
--sysbatcharger

Valid Argument  sysbatcharger=enable
Description  Restores the BIOS configuration to factory settings.

Example  C:\>cctk --sysbatcharger=enable

--sysdefaults

Valid Argument  reset
Description  Restores the BIOS configuration to factory settings.

NOTE: Reboot the system on setting the value.

Example  C:\>cctk --sysdefaults=reset

--sysfanspeed

Valid Argument  fullspeed, noisereduce
Description  Sets the system fan speed.
  •  fullspeed — Sets the speed for normal cooling.
  •  noisereduce — Sets the speed to slow to reduce noise.

Example  C:\>cctk --sysfanspeed=fullspeed

--sysid

Valid Argument  Read-only
Description  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.

Example  C:\>cctk --sysid

--syslogoonirst

Valid Argument  enable, disable
Description  Enables or disables displaying the system logo from cache, during system resume using Intel Rapid Start Technology.
  •  enable — Enables displaying the system logo from cache, during system resume using Intel Rapid Start Technology.
  •  disable — Disables displaying the system logo from cache, during system resume using Intel Rapid Start Technology.

Example  C:\>cctk --syslogoonirst=enable
--sysname
Valid Argument: Read-only
Description: Displays name of the system.
Example: C:\>cctk --sysname
sysname=Latitude E6400

--syspwd
Valid Argument: <password>
Description: Sets the system password. An argument is required. The password cannot be reported. Initially you can set the password using CCTK. 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
Valid Argument: Read-only
Description: Displays the system revision.
Example: C:\>cctk --sysrev
sysrev=000

--tabletbuttons
Valid Argument: enable, disable
Description: Enables or disables tablet buttons.
Example: C:\>cctk --tabletbuttons=enable
tabletbuttons=enable
--tertidemast

Valid Argument: auto, off
Description: Sets the tertiary IDE master to off or auto.
Example: C:\>cctk --tertidemast=off
terpidemast=off

tertideslav

Valid Argument: auto, off
Description: Sets the tertiary IDE slave to off or auto.
Example: C:\>cctk --tertideslav=off
terpidemast=off

--tpm

Valid Argument: on, off
Description: Turns the Trusted Platform Module (TPM) on or off.
Example: C:\>cctk --tpm=on
tpm=on

--tpmactivation

Valid Argument: activate, deactivated
Description: Remotely activates the TPM depending on certain security criteria. The deactivated option is a read-only argument for reporting the current activation state of the TPM.
For more information, see Dell Command | Configure User's Guide at dell.com/dellclientcommandswitemanuals.
Example: C:\>cctk --tpmactivation=activate
tpmactivation=activate
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--uartpowerdown

Valid Argument  on, off

Description  Enables the operating system to power down Universal Asynchronous Receiver/Transmitter (UART) or disables the operating system from powering down UART.

Example  C:\>cctk --uartpowerdown=on
uartpowerdown=on

--uefinwstack

Valid Argument  enable, disable

Description  Enables or disables the UEFI network protocols that allow the usage of network card in a preinstallation environment.

Example  C:\>cctk --uefinwstack=enable
uefinwstack=enable

--universalconnect

Valid Argument  enable, disable

Description  Allows or denies Windows 95 from re-enumerating when a new dock device is attached to the system.

-  **enable** — Denies Windows 95 from re-enumerating when a new dock device is attached to the system.
-  **disable** — Allows Windows 95 from re-enumerating when a new dock device is attached to the system.

Example  C:\>cctk --universalconnect=enable
universalconnect=enable

--unmanagednic

Valid Argument  enable, disable, enablewithpxe

Description  Configures the state of the Onboard Unmanaged Network Interface Card (NIC).

-  **enable** — Enables the secondary NIC.
-  **disable** — Disables the secondary NIC.
-  **enablewithpxe** — Enables the secondary NIC and supports the PXE for network boot.

Example  C:\>cctk --unmanagednic=enable
unmanagednic=enable
## --unobstrusivemode

<table>
<thead>
<tr>
<th>Valid Argument</th>
<th>enable, disable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Enables or disables the hotkey <code>&lt;Fn&gt; + &lt;B&gt;</code>. When enabled, pressing <code>&lt;Fn&gt; + &lt;B&gt;</code> turns off the light and sound emissions of the fans and wireless radios in the system. To resume normal operations, press <code>&lt;Fn&gt; + &lt;B&gt;</code> again.</td>
</tr>
</tbody>
</table>
| Example          | C:\>cctk --unobstrusivemode=enable  
unobstrusivemode=enable |

## usb

<table>
<thead>
<tr>
<th>Valid Argument</th>
<th>on, off, legacy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Turns the USB ports on or off.</td>
</tr>
</tbody>
</table>
| Example          | C:\>cctk --usb=on  
usb=on |

## --usb30

<table>
<thead>
<tr>
<th>Valid Argument</th>
<th>enable, disable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Enables or disables USB 3.0.</td>
</tr>
</tbody>
</table>
| Example          | C:\>cctk --usb30=enable  
usb30=enable |

## --usbctl

<table>
<thead>
<tr>
<th>Valid Argument</th>
<th>enable, disable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Enables or disables the USB controllers.</td>
</tr>
</tbody>
</table>
| Example          | C:\>cctk --usbctl=enable  
usbctl=enable |

## --usbemu

<table>
<thead>
<tr>
<th>Valid Argument</th>
<th>enable, disable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Enables or disables emulation of USB devices.</td>
</tr>
</tbody>
</table>
--usbmunousbboot

Valid Argument  enable
Description     Enables emulation of USB devices except bootable devices.
Example        C:\>cctk --usbmunousbboot=enable
                   usbmunousbboot=enable

--usbflash

Valid Argument  auto, fdd, hdd
Description     Sets the USB flash drive emulation to auto, floppy, or hard disk.
Example        C:\>cctk --usbflash=auto
                   usbflash=auto

--usbport00

Valid Argument  enable, disable
Description     Enables or disables USB port 00.
Example        C:\>cctk --usbport00=enable
                   usbport00=enable

--usbport01

Valid Argument  enable, disable
Description     Enables or disables USB port 01.
Example        C:\>cctk --usbport01=enable
                   usbport01=enable

--usbport02

Valid Argument  enable, disable
Description     Enables or disables USB port 02.
Example        C:\>cctk --usbport02=enable
                   usbport02=enable
--usbport03

Valid Argument: enable, disable
Description: Enables or disables USB port 03.
Example: C:\>cctk --usbport03=enable
          usbport03=enable

--usbport04

Valid Argument: enable, disable
Description: Enables or disables USB port 04.
Example: C:\>cctk --usbport04=enable
          usbport04=enable

--usbport05

Valid Argument: enable, disable
Description: Enables or disables USB port 05.
Example: C:\>cctk --usbport05=enable
          usbport05=enable

--usbport06

Valid Argument: enable, disable
Description: Enables or disables USB port 06.
Example: C:\>cctk --usbport06=enable
          usbport06=enable

--usbport07

Valid Argument: enable, disable
Description: Enables or disables USB port 07.
Example: C:\>cctk --usbport07=enable
          usbport07=enable

--usbport08

Valid Argument: enable, disable
Description: Enables or disables USB port 08.
<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>--usbport08</code></td>
<td>Enables or disables USB port 08.</td>
<td>C:&gt;cctk --usbport08=enable usbport08=enable</td>
</tr>
<tr>
<td><code>--usbport09</code></td>
<td>Enables or disables USB port 09.</td>
<td>C:&gt;cctk --usbport09=enable usbport09=enable</td>
</tr>
<tr>
<td><code>--usbport10</code></td>
<td>Enables or disables USB port 10.</td>
<td>C:&gt;cctk --usbport10=enable usbport10=enable</td>
</tr>
<tr>
<td><code>--usbport11</code></td>
<td>Enables or disables USB port 11.</td>
<td>C:&gt;cctk --usbport11=enable usbport11=enable</td>
</tr>
<tr>
<td><code>--usbport12</code></td>
<td>Enables or disables USB port 12.</td>
<td>C:&gt;cctk --usbport12=enable usbport12=enable</td>
</tr>
<tr>
<td><code>--usbport13</code></td>
<td>Enables or disables USB port 13.</td>
<td>C:&gt;cctk --usbport13=enable usbport13=enable</td>
</tr>
</tbody>
</table>
--usbport14
Valid Argument: enable, disable
Description: Enables or disables USB port 14.
Example: C:\>cctk --usbport14=enable
          usbport14=enable

--usbport15
Valid Argument: enable, disable
Description: Enables or disables USB port 15.
Example: C:\>cctk --usbport15=enable
          usbport15=enable

--usbport20
Valid Argument: enable, disable
Description: Enables or disables USB port 20.
Example: C:\>cctk --usbport20=enable
          usbport20=enable

--usbport21
Valid Argument: enable, disable
Description: Enables or disables USB port 21.
Example: C:\>cctk --usbport21=enable
          usbport21=enable

--usbport22
Valid Argument: enable, disable
Description: Enables or disables USB port 22.
Example: C:\>cctk --usbport22=enable
          usbport22=enable
--usbport23

Valid Argument: enable, disable
Description: Enables or disables USB port 23.
Example: C:\>cctk --usbport23=enable
usbport23=enable

--usbports

Valid Argument: enable, disable, enablebackonly
Description: Enables or disables user accessible USB ports.
Example: C:\>cctk --usbports=enable
usbports=enable

--usbportsexternal

Valid Argument: enable, disable
Description: Enables or disables the external USB ports.
Example: C:\>cctk --usbportsexternal=enable
usbportsexternal=enable

--usbportsfront

Valid Argument: enable, disable
Description: Enables or disables the USB ports on the front of the chassis.
Example: C:\>cctk --usbportsfront=disable
usbportsfront=disable

--usbpowershare

Valid Argument: enable, disable
Description: Enables or disables the USB PowerShare.
Example
C:\>cctk --usbpowershare=enable
usbpowershare=enable

--usbreardual
Valid Argument enable, disable
Description Enables or disables the rear dual stack of USB ports if there is only one rear dual stack.
Example C:\>cctk --usbreardual=enable
usbreardual=enable

--usbreardual2stack
Valid Argument enable, disable
Description Enables or disables the second rear dual stack of USB ports if there are two rear dual stacks.
Example C:\>cctk --usbreardual2stack=enable
usbreardual2stack=enable

--usbrearquad
Valid Argument on, off
Description Enables or disables rear Quad USB ports or rear triple stack on OptiPlex 740.
Example C:\>cctk --usbrearquad=on
usbrearquad=on

--usbwake
Valid Argument enable, disable
Description Enables or disables USB wake setting in the next boot. Any USB input device can generate a wake event.
Example C:\>cctk --usbwake=enable
usbwake=enable

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

C:\>cctk --uuid
uuid=4C4C4544-004B-3910-804C-CEC04F463944

--vaconfiglock

Valid Argument
unlock, lock

Description
Sets the Intel Virtual Appliance Configuration lock.

Example
C:\>cctk --vaconfiglock=unlock
vaconfiglock=unlock

--valsetuppwd

Valid Argument
<password>

Description
Validates the setup password while setting a value in the BIOS. This is applicable only if you set a setup password or both setup password and system password.

Example
C:\>cctk --numlock=enable --valsetuppwd=<password>
numlock=enable

--valsyspwd

Valid Argument
<password>

Description
Validates the system password while setting a value in the BIOS. This is applicable only if you set a system password and did not set a setup password.

Example
C:\>cctk --numlock=enable --valsyspwd=<password>
numlock=enable

--vaphysicalpresenceconfirm

Valid Argument
on, off

Description
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.

Example
C:\>cctk --vaphysicalpresenceconfirm=off
vaphysicalpresenceconfirm=off

--vgadacsnoop

Valid Argument
enable, disable

Description
Enables or disables the Video Graphics Array (VGA) Digital-to-Analog Converter (DAC) Snoop in BIOS.
Example: C:\>cctk --vgadacsnoop=enable
vgadacsnoop=enable

--videoexpnsn

Valid Argument: enable, disable
Description: Enables or disables the video expansion.
Example: C:\>cctk --videoexpansion=enable
videoexpansion=enable

--videomemsize

Valid Argument: auto, off, 12 MB, 16 MB, 32 MB, 64 MB, 128 MB, 256 MB, 512 MB, 1 GB
Description: 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.
Example: C:\>cctk --videomemsize=auto
videomemsize=auto

--virtualappliance

Valid Argument: on, off
Description: Sets the virtual appliance support for a system.
Example: C:\>cctk --virtualappliance=on
virtualappliance=on

--virtualization

Valid Argument: disable, enable
Description: Enables or disables the virtualization in CPU.
- **enable** — Enables the additional hardware capabilities provided by Virtualization Technology in applicable CPUs.
- **disable** — Disables the additional hardware capabilities provided by Virtualization Technology.
Example: C:\>cctk --virtualization=on
virtualization=on

--vtfordirectio

Valid Argument: on, off
Description: 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.
--wakeonlan

Valid Argument

- enable, disable, addincard, onboard, enablewakeonwan, lanorwlan, lanwithpxeboot

Description

Defines the wake-on-LAN feature.

- **enable** — The system wake-on-LAN feature is enabled; either an onboard or an add-in NIC can wake the system up.
- **disable** — 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.
- **enablewakeonwan** — Enables wake-on-LAN for wireless.
- **lanorwlan** — 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.

Example

C:\>cctk --wakeonlan=lanwithpxeboot

wakeonlan=lanwithpxeboot

--watchdogtimer

Valid Argument

- enable, disable

Description

Enables or disables the system to reboot or reset when the watchdog time expires.
---wificatcherchanges

**Valid Argument**
permit, deny

**Description**
Permits or denies Wi-Fi catcher changes. If the administrator password is not set, this setting will have no effect.

**Example**
C:\>cctk --wificatcherchanges=permit
wificatcherchanges=permit

---wifilocator

**Valid Argument**
enable, disable

**Description**
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(s), without fully waking the system.

**Example**
C:\>cctk --wifilocator=enable
wifilocator=enable

---wigigradiostealthmode

**Valid Argument**
turnoff, unchanged

**Description**
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.

**Example**
C:\>cctk --wigigradiostealthmode=unchanged
wigigradiostealthmode=unchanged

---wirelessadapter

**Valid Argument**
enable, disable

**Description**
Enables or disables the wireless adapter.

**Example**
C:\>cctk --wirelessadapter=enable
wirelessadapter=enable
### --wirelessdevice

**Valid Argument**

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>disable</td>
<td>Disables wireless devices.</td>
</tr>
<tr>
<td>enablectrlbyapp</td>
<td>Enables controlling by an application such as QuickSet.</td>
</tr>
<tr>
<td>enablectrlhotkeyapp</td>
<td>Enables controlling by the hotkey or by an application such as QuickSet.</td>
</tr>
</tbody>
</table>

**Description**

Sets the wireless device.

**Example**

```bash
C:\>cctk --wirelessdevice=disable
wirelessdevice=disable
```

### --wirelesslan

**Valid Argument**

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>enable</td>
<td>Enables or disables the wireless LAN module.</td>
</tr>
<tr>
<td>disable</td>
<td>Enables or disables the wireless LAN module.</td>
</tr>
</tbody>
</table>

**Description**

Enables or disables the wireless LAN module.

**Example**

```bash
C:\>cctk --wirelesslan=enable
wirelesslan=enable
```

### --wirelessuwb

**Valid Argument**

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>enable</td>
<td>Enables or disables the Wireless On/Off switch for Ultra Wide Band (UWB) radio.</td>
</tr>
<tr>
<td>disable</td>
<td>Enables or disables the Wireless On/Off switch for Ultra Wide Band (UWB) radio.</td>
</tr>
</tbody>
</table>

**Description**

Enables or disables the Wireless On/Off switch for Ultra Wide Band (UWB) radio.

**Example**

```bash
C:\>cctk --wirelessuwb=enable
wirelessuwb=enable
```

### --wirelessswitchbluetoothctrl

**Valid Argument**

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>disable</td>
<td>For systems that have a physical Wireless On/Off Switch, switch has no effect on the state of the Bluetooth radio.</td>
</tr>
<tr>
<td>enable</td>
<td>Switch turns the Bluetooth radio on and off.</td>
</tr>
</tbody>
</table>

**Description**

Enables or disables wireless switch bluetooth control.

**Example**

```bash
C:\>cctk --wirelessswitchbluetoothctrl=enable
wirelessswitchbluetoothctrl=enable
```
--wirelesswitchcellularctrl

Valid Argument: enable, disable

Description:
Enables or disables wireless switch cellular control.
- disable — If the systems that have a physical Wireless On/Off Switch, the switch has no effect on the state of the cellular radio.
- enable — Switch turns the cellular (WWAN) radio on and off.

Example:
C:\>cctk --wirelesswitchcellularctrl=enable

--wirelessswitchchanges

Valid Argument: permit, deny

Description:
Permits or denies wireless switch changes. If the administrator password is not set, this setting has no effect.

Example:
C:\>cctk --wirelessswitchchanges=permit

--wirelesswitchnlanctrl

Valid Argument: enable, disable

Description:
Enables or disables the wireless switch for the wireless LAN control.
- enable — If the systems have a physical Wireless On/Off Switch, switch has no effect on the state of the wireless LAN radio.
- disable — Switch turns the wireless LAN radio on and off.

Example:
C:\>cctk --wirelesswitchnlanctrl=enable

--wirelesswitchwigigctrl

Valid Argument: enable, disable

Description:
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.

Example:
C:\>cctk --wirelesswitchwigigctrl=enable
**--wlanstealthmode**

**Valid Argument**  unchanged, turnoff

**Description**  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.

**Example**  
```
C:\>cctk --wlanstealthmode=turnoff
wlanstealthmode=turnoff
```

**--wswitchwlanwigigctrl**

**Valid Argument**  enable, disable

**Description**  Enables or disables the effect of physical wireless switch on wireless LAN and WiGig radio.

- **enable**— 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.
- **disable**— The wireless physical switch does not effect the wireless LAN and WiGig radios.

**Example**  
```
C:\>cctk --wswitchwlanwigigctrl=enable
wswitchwlanwigigctrl=enable
```

**--wswitchgpsonwwanradio**

**Valid Argument**  enable, disable

**Description**  Enables or disables the effect of physical wireless switch on the GPS radio of the wireless WAN card.

- **enable**— If enabled, wireless switch turns the GPS radio of the wireless WAN card on or off.
- **disable**— If disabled, wireless switch does not have any effect on the state of the GPS radio of the wireless WAN card.

**Example**  
```
C:\>cctk --wswitchgpsonwwanradio=enable
wswitchgpsonwwanradio=enable
```
**--wwanstealthmode**

**Valid Argument** unchanged, turnoff

**Description** 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 WWAN (and WiGig) radio.
- **turnoff** — Turns off the WWAN (and WiGig) radio if the Stealth mode is enabled.

**Example**

```
C:\>cctk --wwanstealthmode=turnoff
wwanstealthmode=turnoff
```

**--wxanradio**

**Valid Argument** disable, wlanon, wwanon

**Description** Sets the WLAN and WWAN options.
- **disable** — Disables both WLAN and WWAN.
- **wlanon** — Enables WLAN radio and disables WWAN radio.
- **wwanon** — Enables WWAN radio and disables WLAN radio.

**Example**

```
C:\>cctk --wxanradio=disable
wxanradio=disable
```

**--wysep25access**

**Valid Argument** enable, disable

**Description** Allows or prevents the access to BIOS setup through Dell Wyse P25 PCoIP client.

**Example**

```
C:\>cctk --wysep25access=enable
wysep25access=enable
```

**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.

**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 4. ASM probes and options

<table>
<thead>
<tr>
<th>ASM Probes</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>v</td>
</tr>
<tr>
<td>Current</td>
<td>c</td>
</tr>
<tr>
<td>Temperature</td>
<td>t</td>
</tr>
<tr>
<td>Power supply</td>
<td>p</td>
</tr>
<tr>
<td>Cooling device</td>
<td>f</td>
</tr>
<tr>
<td>All probes</td>
<td>all</td>
</tr>
</tbody>
</table>

Displaying the probe details

You can display the details of power supply, voltage, current, temperature, and cooling device probes.

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

You can set the non-critical threshold values for voltage, current, cooling and temperature 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.

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_1:55 --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/toolkit/bin

### Completion code

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

**Table 5. Completion codes**

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

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

Sample Dell Command | Configure utility.ini file format

[cctk]
syname=Latitude E7440
sysid=05CB
svctag=SL511C1
;do not edit information above this line
acpower=off
admssetuplockout=disable
advbatterychargecfg=disable
advsm=VOLTAGE_1:NA,NA
advsm=VOLTAGE_2:NA,NA
advsm=CURRENT_1:NA,NA
advsm=CURRENT_2:NA,NA
advsm=TEMPERATURE_1:NA,NA
advsm=TEMPERATURE_2:NA,NA
advsm=TEMPERATURE_3:NA,NA
asfmode=alertonly
asset=Dell
autoon=disable
autoonhr=0
autoonmn=0
blocks3=disable
bluetoothdevice=enable
bootorder=legacytype,+floppy,+hdd,+usbdev,+cdrom,+embnic
;Here '+' indicates Enabled device, '-' indicates Disabled device. You can use DeviceNumber also to set the boot order. Example: bootorder=+2,-1,+3
camera=enable
cellularradio=enable
controlwlanradio=disable
controlwwanradio=disable
cpucore=all
cpuxdsgsrm=enable
cstate$scope=enable
dernic1=on
dempsataraid=ahci
ingenstarlogo=disable
esataports=enable
externalhotkey=scrolllock
fastboot=thorough
;firstpowerondate=
forcepxeonccnetboot=disable
hdfreefallprotect=enable
integratedaudio=enable
intlsmartconnect=disable
irrsttimer=30
keyboardclick=disable
keyboardillumination=off
keypad=enabledbyfnkey
legacyorom=enable
logicproc=enable
lptmode=at
mediacard=enable
;mfldate=
microphone=enable
modulebaybatterycfg=express
modulebaydevice=disable
numlock=on
onboardmodem=disable
optimus=disable
oromkeyboardaccess=enable
passwordbypass=off
peakshiftbatterythreshold=15
peakshiftcfg=enable,sun-09:30/09:30/09:30,mon-10:30/14:00/16:00,tue-10:30/14:00/16:30,wed-09:30/09:30/09:30,thu-09:30/09:30/09:30,fri-09:30/09:30/09:30,sat-09:30/09:30/09:30
pntdevice=switchtotouchpad
postmebxkey=off
powerwarn=enable
primarybatterycfg=auto
propowntag=
pwdlock=unlock
rptkeyerr=disable
sata0=auto
sata1=auto
sata2=auto
sata3=auto
serial1=com1
sfuenabled=yes
smarterrors=disable
speedstep=automatic
strongpwd=disable
tpm=off
tpmaactivation=deactivated
trustexecution=off
turbomode=enable
uefinwstack=disable
unobtrusivemode=disable
usb30=enable
usbmumu=enable
usbportsexternal=enable
usbpowershare=disable
usbwake=disable
;uuid=4C4C4544-004C-3510-8031-D3C04F314331
virtualization=enable
vtfordirectio=on
wakeonlan=disable
wirelesslan=enable
wirelesswitchbluetoothctrl=enable
wirelesswitchcellularctrl=enable
wirelesswitchchanges=deny
wirelesswitchnlanctrl=enable
wirelesswitchwigigctr=enable
Messages and codes

This section documents the error messages and codes 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. On Linux operating systems, this file is provided in the /opt/dell/toolkit/bin directory.