

Dell Command | Configure Version 3.2 Release Notes



Notes, cautions, and warnings

-  **NOTE:** A NOTE indicates important information that helps you make better use of your product.
-  **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.
-  **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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Release Type and Definition

Dell Command | Configure (formerly known as Client Configuration Toolkit or CCTK) is a packaged software that provides BIOS configuration capability to Dell client systems, such as OptiPlex, Latitude, Venue Pro Tablet, XPS Notebook, and Dell Precision running the supported Microsoft Windows and Linux operating systems. You can configure the client systems using a Graphical User Interface (GUI) or a Command Line Interface (CLI).

You can use Dell Command | Configure on systems running Linux operating systems such as Red Hat Enterprise Linux, and Ubuntu Desktop. Also, Dell Command | Configure supports Microsoft Windows 7, Windows 8, Windows 8.1, and Windows 10 operating systems, and Windows Preinstallation Environment (Windows PE).

Version

3.2

Release Date

January 2017

Previous Version

3.1.2



Importance

RECOMMENDED: Dell recommends applying this update during your next scheduled update cycle. The update contains feature enhancements or changes that will help keep your system software current and compatible with other system modules (firmware, BIOS, drivers and software).

Platform(s) Affected

- OptiPlex
- Latitude
- Venue Pro Tablet
- XPS Notebook
- Precision



Supported Operating Systems

Dell Command | Configure supports the following operating systems:

- Microsoft Windows 10 Core (32-bit and 64-bit)
- Microsoft Windows 10 Pro (32-bit and 64-bit)
- Microsoft Windows 10 Enterprise (32-bit and 64-bit)
- Microsoft Windows 8.1 Enterprise (32-bit and 64-bit)
- Microsoft Windows 8.1 Professional (32-bit and 64-bit)
- Microsoft Windows 8 Enterprise (32-bit and 64-bit)
- Microsoft Windows 8 Professional (32-bit and 64-bit)
- Microsoft Windows 7 Professional SP1 (32-bit and 64-bit)
- Microsoft Windows 7 Ultimate SP1 (32-bit and 64-bit)
- Windows 10 Pre-installation Environment (32-bit and 64-bit) (Windows PE 10.0)
- Windows 8.1 Pre-installation Environment (32-bit and 64-bit) (Windows PE 5.0)
- Windows 8 Pre-installation Environment (32-bit and 64-bit) (Windows PE 4.0)
- Windows 7 SP1 Pre-installation Environment (32-bit and 64-bit) (Windows PE 3.1)
- Windows 7 Pre-installation Environment (32-bit and 64-bit) (Windows PE 3.0)
- Red Hat Enterprise Linux 7.0 Client version (64-bit) for Dell Precision workstations
- Red Hat Enterprise Linux 6.4 Client version 6.0 (64-bit) for Dell Precision workstations
- Red Hat Enterprise Linux Client 6.2 Client Version (64-bit) for Dell Precision workstations
- Ubuntu Desktop 16.04 (64-bit)


What's new in this release

The new features for this release include support for:

- New platforms.
- Support for SMBIOS 3.0
- Updated the default installation path for Linux as /opt/dell/dcc.
- Support for following new BIOS features/attributes:
 - Determining if BIOS should attempt to boot from the legacy boot list when the UEFI boot list fails. See --attemptlegacyboot option.
 - Configuring the Active State Power Management (ASPM) level. See --aspm option.
 - Configuring the automatic BIOS recovery without any user interaction if BIOS corruption is detected. See --biosautorecovery option.
 - Configuring the BIOS connect feature. See --biosconnect option.
 - Configuring the state of the available BiosConnect boot paths. See --biosconnectactivation option.
 - Allowing or restricting downgrading of the system BIOS. See --biosdowngrade option.
 - Configuring the BIOS integrity check during the booting process. See --biosintegritycheck option.
 - Allowing or restricting the BIOS event log to be cleared on the next boot. See --bioslogclear option.
 - Configuring the visibility of BIOS settings. See --biossetupadvmode option.
 - Configuring the time-out value for the keyboard backlight when an AC adapter is plugged into the system. See --brightnessac option.
 - Configuring the panel brightness to be used when the system is using battery power only. See --brightnessbattery option.
 - Configuring the Reliability Availability Serviceability (RSA) support on CPUs. See --cpursa option.
 - Configures the CPU snoop mode. See --cpusnoop option.
 - Configuring the platform external displays. See --dgpuxterndisplay option.
 - Configuring Configures the dock battery charge mode. See --dockbattchrgcfg option.
 - Allowing or restricting to use the docking station in the absence of AC power while the battery is charged for more than specified percentage. See --docksupportonbattery option.
 - Configuring the fan speed control if the fan speed is set to Auto using fanspeed attribute. See --fanspeedctrllevel option.
 - Configuring whether to clear the fault tolerant memory log during the next boot. See --faulttolerantmemlogclear option.
 - Configuring the full screen logo that appears during BIOS POST. See --fullscreenlogo option.
 - Configuring GPS WWAN Radio. See --gpsonwwanradio option.
 - Configuring System Isochronous mode. See --isochronous option.
 - Configuring the time-out value for the keyboard backlight when an AC adapter is plugged into the system. See --kbdbacklighttimeoutac option.
 - Configuring the time-out value for the keyboard backlight when the system is running only on battery power. See --kbdbacklighttimeoutbatt option.
 - Configuring lid switch functions. See --lidswitch option.
 - Configuring the liquid cooler 1, and the liquid cooler 2. See --liquidcooler1, and --liquidcooler2 options.
 - Configuring M2 PCIE SSD 0 and M2 PCIE SSD 1. See --m2pciessd0, and --m2pciessd1 options.
 - Configuring the master password settings. See --masterpwdlockout option.
 - Configuring the time limit value of the memory fault tolerance. See --memfaulttolimelmt option.
 - Configuring Reliability Availability Serviceability (RSA) support on memory modules. See --memoryrsa option.
 - Configuring the memory performance monitor feature. See --memperformancemonitor option.
 - Configuring the Reliability Availability Serviceability (RSA) support on PCIe devices. See --pcierra option.
 - Allows or restricts the power event log to be cleared on the next boot. See --powerlogclear option.
 - Configuring the Stealth Mode control of the Intel 8260 card. See --poweroffintel8260stealthmode option.
 - Configuring the Dell recovery tool. See --recoverytool option.



- Allowing or restricting the system to boot from SD card. See --sdcardboot option.
- Configuring the read-only mode for SD card. See --sdcardreadonly option.
- Configures Secure Guard Extensions (SGX) feature. See --secureguardext option.
- Indicating that the power button has been pressed during POST. See --signoflifeindication option.
- Determining which sleep mode to be used by the operating system. See --sleepmode option.
- Configuring the boot flow for SupportAssist OS recovery tool in the event of certain system errors. See --supportassistosrcvry option.
- Deleting the service OS non-volatile region. See --svcosclear option.
- Allows or restricts the thermal event log to be cleared on the next boot. See --thermallogclear option.
- Configuring the thunderbolt controller in the system. See --thunderbolt option.
- Configuring the thunderbolt security level. See --thunderboltsecuritylevel option.
- Configuring the maximum power for type-C connector. See --typecbrtryovrldprotection option.
- Determining whether the system should prompt the user to enter the Admin password, if set, while booting from a UEFI boot path from the F12 Boot Menu. See --uefibootpathsecurity option.
- Configuring the provisioning of Intel AMT from a USB storage device. See --usbprovision option.
- Configuring the USB wake from s4 power state of the system. See --usbwakefroms4 option.
- Support for additional possible values for the following attributes:
 - --cpucore
 - --speaker
 - --primaryvideodeviceslot
 - --processorcorecount
- Withdrawal of support for the following attributes:
 - --clearsel
 - --speakervol

 **NOTE:** For more details on CLI options, see *Dell Command | Configure Command Line Interface Reference Guide* available at dell.com/dellclientcommandssuitemanuals.

Fixes

 **NOTE:** The following fixes are made for Dell Command | Configure 3.2.0 A00 only. If Dell Command | Configure 3.2.0 A00 is already installed on your system, uninstall Dell Command | Configure 3.2.0 A00, and then install Dell Command | Configure 3.2.0 A01. The A01 DUP is Systems-Management_Application_<SWB>_WN32_3.2.0.<build number>_A01.exe.

Removed dependency on MSVCR110.dll and MSVCP110.dll in 32-bit application

Description: The system displayed the error message that "The program cannot start because MSVCR110.dll or MSVCP110.dll are missing from your system". This issue has been resolved now. Dell Command | Configure 3.2 is not dependent on MSVCR110.dll or MSVCP110.dll.

Fix: Missing HAPI driver libraries issue for CLI alone installation has been resolved

Description: For the CLI alone installation, if the user tried to run any command, the system displayed error messages that "Dependent HAPI driver libraries are missing" and "Error in initializing HAPI interface library". This issue has been resolved now.

Fix: Correction in error codes

Description: Few error codes were not matching with the existing error codes. The incorrect error codes have been corrected now.



Known Issues

Known Issues: Command Line Interface

Issue: Unable to use Dell Command | Configure after reinstallation/upgrade

Description: Dell command | Configure may not work after reinstallation/upgrade on Ubuntu Desktop 16.04 because **dcdbus** module may not be loaded during reinstallation.

Resolution: Load the module by running the following command:

```
insmod <filename>
```

Issue: ASM (advsm) option does not display current status for probes

Description: Dell Command | Configure does not display current status for temperature, current, and voltage probes.

Issue: Windows 7 does not recognize the digital signature validity

Description: If the system is not connected to internet, Windows 7 does not recognize the digital signature validity of Dell Command | Configure installation file.

Resolution: Connect the system to internet and validate the digital signature.

Issue: BIOS interface not found

Description: While running Dell Command | Configure, the following error message might be displayed: **BIOS Interface not found**.

Resolution: Uninstall HAPI using the **hapiuninstall.bat** script available in the **HAPI** folder, and install it again using the **hapiinstall.bat** script available in the same folder.

Issue description: Do not use the infile or outfile options in the .ini file.

Issue description: Dell Command | Configure supports only single-byte characters for asset set operation.

Resolution: If the user has a different locale, change the keyboard layout to English before using the asset option.

Issue: TPM related tokens can be modified independently

Description: Dell Command | Configure does not control the dependencies among the various TPM PPI option. For example, it is possible to change the **TPM PPI ACPI** option through Dell Command | Configure even when TPM is not **On**.

 **NOTE: There is no negative impact due to this on the BIOS.**

Issue: Dependent options are not working as configured in UEFI mode for Legacy Option ROM and Secure Boot

Description:

- Dell Command | Configure allows enabling Legacy Option ROM when Secure Boot is On.
- Dell Command | Configure allows disabling Legacy Option ROM when Boot mode is Legacy.
- Dell Command | Configure allows enabling Secure Boot when Legacy option ROM is enabled and boot mode is UEFI.
- Dell Command | Configure does not allow enumerating Secure Boot when it is disabled.

 **NOTE: There is no negative impact due to this on the BIOS. This issue will be addressed in the upcoming BIOS versions.**

Issue: Blinkpsu1led and Blinkpsu2led missing in the .ini file or SCE

Description: Blinkpsu1led and Blinkpsu2led will not be present in the .ini file or SCE as they are enable-only tokens and they are active only for few seconds. These tokens cannot be modified using GUI.

Issue: advsm option displays the status as Other

Description: If any of the fans is not working, the advsm option displays the status as **Other**.

Issue: Advance Battery Charge and Peak Shift Charge options display Disable

Description: Platforms that do not support Advance Battery Charge option, when advbatterychargecfg option is enumerated, the system displays the option as Disable.

Platforms that do not support **Peak Shift Charge** option, when **peakshiftcfg** option is enumerated, the system displays the option as **Disable**.

Issue: Temperature probe in Advanced System Management option displays as Unknown

Description: On some platforms that support **Advanced System Management** option, temperature probe of all the sensors displays as **Unknown**.

 **NOTE:** This issue will be addressed in the upcoming BIOS versions.

Issue: On some of the platforms that support Advanced System Management option, temperature probe of Memory sensor 2 displays the current status as Non-Critical instead of Normal.

 **NOTE:** This issue is addressed in the upcoming BIOS versions.

Issue: On some of the platforms that support Advanced System Management option, when you set non-critical upper threshold values for cooling device, the CLI indicates that the action failed; however, setting the same is successful.

Issue: Unable to configure ASM (advsm) BIOS options in .ini file/SCE

Description: While configuring ASM (advsm) option using .ini file, or SCE, Setup password or System password should not be set or modified.

Known Issues: Graphical User Interface

Issue: Unexpected Error at System.xml.

Description: Dell Command | Configure GUI supports only printable characters for its text-entry fields. If the BIOS has non-printable characters, the GUI may fail to load and display the following error message: **Unexpected Error at System.xml**.

Resolution: Make sure that BIOS options such as **asset**, and **propowntag** values do not contain non-printable characters.

Issue: Unexpected Error

Description: Rarely, when .NET libraries may not have loaded properly, while exporting the SCE the following error message is displayed: **Unexpected Error**.

 **NOTE:** This does not affect the Dell Command | Configure functionality

Resolution: Export the SCE again, and it will be successful.



Issue: Multiplatform displays X mark

Description: On systems that support features like **peak shift**, **irsttimer** and **advanced battery charge** options, the multiplatform displays **X** mark in multi-platform package after validation.

Issue: The GUI doesn't display the configuration when open it by double clicking the .cctk file

Description: If Dell Command | Configure GUI is opened by double clicking the .cctk file, it does not display the settings of the file in the application. However, opening the .cctk or .ini file in **Open a Saved Package** tab displays the settings of the file.

Issue: The feedback link does not work with Internet Explorer version 7 and before.

Description: The feedback link in the GUI works only in Internet Explorer version 8 and later.

Resolution: Upgrade to Internet Explorer 8 or later.

Installation Prerequisites

Installation Prerequisites for Windows

- The Dell Command | Configure installation file, **Systems-Management_Application_<SWB>_WN32_3.2.0.<build number>_A01.exe** available at dell.com/support.
- Workstation running a supported Microsoft Windows operating system.
- Administrator privileges on the system to install Dell Command | Configure .
- Microsoft .NET 4.0 to install and run the GUI.

 **NOTE: Select Microsoft .NET Framework 4.0 or later on the Turn Windows features on or off screen on systems running Windows 7 or later operating systems.**

Installation Prerequisites for Linux

- The Dell Command | Configure installation file, **command_configure-linux-3.2.0-<build number>.tar.gz** available at: dell.com/support.
- Workstation running supported Linux operating system.
- Red Hat Package Managers (RPMs) /Debian provided in the Dell Command | Configure installation file.



NOTE:

- If you have downloaded the package for RHEL, then you have the RPMs available in the package.
 - If you have downloaded the package for Ubuntu Desktop, then you have the Debians available in the package.
- Root login privileges.



Installation, Upgrade, and Uninstallation Instructions

For information on installation, uninstallation, and upgrade of Dell Command | Configure, see the Dell Command | Configure Installation Guide at dell.com/dellclientcommandsuite/manuals.



Installation and Configuration Notes

For Windows Installation

Issue: It is possible to downgrade Dell Command | Configure to the previous versions of CCTK, which might lead to undesirable situations.

Resolution: Do not run installers of a previous versions if Dell Command | Configure has been already installed.

For Linux Installation

Issue: While uninstalling HAPI RPM, a warning message is displayed indicating that there is no such file.

Ignore that message.



Contacting Dell

 **NOTE: Dell provides several online and telephone-based support and service options. If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog. Availability varies by country and product, and some services may not be available in your area.**

To contact Dell for sales, technical support, or customer-service issues:

1. Go to dell.com/contactdell.
2. Select your country or region from the interactive world map. When you select a region, the countries for the selected regions are displayed.
3. Select the appropriate language under the country of your choice.
4. Select your business segment. The main support page for the selected business segment is displayed.
5. Select the appropriate option depending on your requirement.

 **NOTE: If you have purchased a Dell system, you may be asked for the Service Tag.**