




Dell Command | PowerShell Provider Version 1.1 Release Notes



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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Release Type and Definition

Server Administrator

Dell Command | PowerShell Provider is a PowerShell module that provides BIOS configuration capability to Dell client systems such as OptiPlex, Latitude, Venue Pro Tablet, XPS, and Dell Precision workstation using Windows PowerShell Interface. Dell Command | PowerShell Provider can be installed as plug-in software registered within Windows PowerShell environment. Dell Command | PowerShell Provider works for local and remote systems, and even in Windows pre-installation environment. This module, with its native configuration capability, makes BIOS configuration most manageable for system administrators.

Dell Command | PowerShell Provider 1.1 is specifically targeted for Dell Embedded Box PC 5000 series and Dell Embedded Box PC 3000 series that are running the following Windows operating systems: Windows 7 Professional FES, Windows 7 Professional, Windows 10 Professional, Windows 10 Enterprise LTSB.

Version

1.1



NOTE: This is the first Dell Command | PowerShell Provider release that supports Dell Embedded Box PC 5000/3000 series.

Release Date

August 2016

Previous Version

1.0

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

- Dell Embedded Box PC 3000\5000 series

Supported Operating Systems

Dell Command | PowerShell Provider 1.1 supports the following operating systems:

- Microsoft - Windows 7 64-bit - Ultimate
- Microsoft - Windows 7 64-bit – WinPE 3.0
- Microsoft - Windows 7 64-bit - Professional
- Microsoft - Windows 10 64-bit - PRO
- Microsoft - Windows 10 64-bit – WinPE 10.0
- Microsoft - Windows 10 64-bit - Home
- Microsoft - Windows 10 64-bit – Enterprise LTSB

What's new in this release

The new features for this release include:

- Support for new platforms: Dell Embedded PCs — Dell Embedded Box PCs 5000/3000 series
- Support for new operating systems: Windows 7 Professional FES, Windows 10 Enterprise LTSC
- Support for the following new BIOS attributes:
 - Support for configuring BIOS recovery option. See BIOSRecovery option.
 - Support for configuring the memory allocation size for the Intel Software Guard Extension (SGX) processor reserved memory. See EnclaveMemorySize option.
 - Support for configuring Intel Secure Guard Extensions (SGX). See IntelSGXEnable option.
 - Support for configuring whether the changes to the system and HDD passwords are permitted or restricted if an admin password is set. See PasswordChange option
 - Support for additional possible values for SerialPort1 and SerialPort2 options.
 - Support for configuring the serial ports. See SerialPort3, SerialPort4, SerialPort5, and SerialPort6 options.
 - Support for configuring the Hash Algorithm used for TPM 2.0 measurements. See TPMHashAlgorithm option.
 - Support for configuring BIOS updates via UEFI capsule update packages. See UEFI Capsule option.
 - Support for configuring USB ports of the system. See USB2.0Port, USBPort04, USBPort05, USBPort07, USBPort20, USBPort21, USBPort22, USBPort23 options.
 - Support for configuring the system to wake when a docking connection is made. See WakeOnDock option.
 - Support for configuring the system to continue to boot, or to pause when warnings or errors are detected. See WarningsAndErrors option.
 - Support for configuring Watchdog Timer. See WatchdogTimerSupport option.
 - Support for configuring the WLAN code for specific region. See WLANRegionCode option.




NOTE: For more details on these options, see *Dell Command | PowerShell Provider Reference Guide* available at dell.com/dellclientcommandsuitemanuals.

Known Issues

Issue: AdvancedBatteryChargeConfiguration attribute doesn't change the settings though operation successful message is displayed.

Description: When AdvancedBatteryChargingMode is disabled, AdvancedBatteryChargeConfiguration attribute settings cannot be changed. The success message is displayed; however, the actual settings are not changed.

Resolution: Enable the AdvancedBatteryChargeMode, then configure the AdvancedBatteryChargingConfiguration. You can change AdvancedBatteryChargingMode as disabled again if you do not want to apply these settings.

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

Issue: Unable to set KeyboardIllumination to '100' percent.

Description: Setting KeyboardIllumination to '100' percent using Dell Command | PowerShell Provider is not possible.

Resolution: User can use BIOS setup screen or other alternative tools like Dell Command Configure, Dell Command Monitor for setting the KeyboardIllumination attribute value to '100' percent. This issue will be addressed in the upcoming BIOS versions.

Issue: HTCappable attribute displays 'No' even if supported in few systems.

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

Issue: SecureEraseSupported and SecureEraseEnabled parameters in HDDInfo displays 'No' even if enabled from BIOS setup screen.

This issue will be addressed in the upcoming BIOS versions.

Important Notes

Importing the DellBIOSProvider module may take some time.

Installation Prerequisites


Windows

- The Dell Command | PowerShell Provider installation file DellCommandPowerShellProvider1.1_<build number>.zip.
- Administrator privileges on the Dell client system where you are installing Dell Command | PowerShell Provider.
- Windows Management Framework (WMF) 3.0 or later.
- PowerShell 3.0 or later.
- Microsoft Visual C++ redistributable 2010 and 2012.

Installation, Upgrade, and Uninstallation Instructions


For information on installation, uninstallation, and upgrade of Dell Command | PowerShell Provider, see the Dell Command | PowerShell Provider User's Guide at dell.com/dellclientcommandsuite/manuals.

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.