

Dell Command | PowerShell Provider

Version 1.3 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 | PowerShell Provider is a PowerShell module that provides BIOS configuration capability to Dell client system specific to IoT using Windows PowerShell Interface and is applicable for Dell Edge Gateway and Dell Embedded Box Systems. 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.

Version

1.3

Release Date

July 2017

Previous Version

1.2.1

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 | PowerShell Provider 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 LTSC



What's new in this release

The new features for this release include:

- Support for Asset tag upto 14 characters.
- SystemIsochronousMode attribute name is changed to IsochronousMode.
- Possible value change for EmbNic2 attribute from EnabledwithPXE to EnabledPxe.
- Support for the following new BIOS attributes:
 - In the **SupportAssistSystemResolution** category,
 - * MpmCfg
 - In the **PreEnabled** category,
 - * RuggedDeskDockNicPxe
 - In the **AdvancedConfigurations** category,
 - * OneTBSystemMemoryLimitEnable
 - In the **Performance** category,
 - * AmdCpuCore
 - * AmdThreadControl
 - * AmdTurboCore
 - In the **VirtualizationSupport** category,
 - * AmdVtEnable
 - * AmdViEnable
 - * IntelVMDTechnology
 - * PcieLinkSpeed
 - In the **USBConfiguration** category,
 - * RearUsb3Ports
 - * FrontUsbPortCollection
 - * UsbPortsInternal2
 - In the **SystemConfiguration** category,
 - * TabletButtonIllumination
 - * Minisas0
 - * Minisas1
 - * Minisas2
 - * Minisas3
 - In the **TpmSecurity** category,
 - * TpmClear
 - In the **Security** category,
 - * Computrace
 - In the **USBConfiguration** category,
 - * RearUsb3Ports
 - * FrontUsbPortCollection
 - * UsbPortsInternal2
 - In the **PostBehaviour** category,

- * MacAddrPassThru
- * SignOfLifeByKbdBacklight
- * SignOfLifeByDisplay
- * SignOfLifeByAudio



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

Known Issues

Following issues were fixed during this release.

Issue: AdvancedBatteryChargeConfiguration attribute does not change the settings, even if the operation successful message is displayed.

Description: When AdvancedBatteryChargingMode is disabled, then the 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 attribute. You can change AdvancedBatteryChargingMode as disabled, if you do not want to apply these settings.

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

This issue is 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 DellCommandPowerShellProvider1.3_<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.**