

Dell Command | Monitor Version 10.x

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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Dell Command | Monitor Version 10.9.1

Topics:

- [Release type and definition](#)
- [Compatibility](#)
- [What's new in this release for Dell Command | Monitor 10.9.1](#)

Release type and definition

The Dell Command | Monitor enables remote management application programs to access the client's system information, monitor the status, change the state, and shut it down remotely. Through standard interfaces, Dell Command | Monitor exposes key system parameters, allowing administrators to manage inventory, monitor system health, and gather information about deployed Dell business client systems.

Version

10.9.1

Release Date

March 2023

Previous Version

10.9.0

Compatibility

Platforms affected

- OptiPlex
- Latitude
- Venue Pro Tablet
- XPS Laptops
- Dell Precision
- Wyse 5070 Thin Client


NOTE: For more information about the supported platforms, see **Compatible Systems** section on the **Driver Details** page for Dell Command | Monitor.

NOTE: Dell Command | Monitor 10.0 or later requires platforms supporting WMI-ACPI BIOS. The complete functionalities of Dell Command | Monitor is available for the supported platforms. For more information, see the [Supported Platforms](#) list.

NOTE: For the limited functionalities on non-WMI-ACPI compliant platforms, see Windows SMM Security Mitigations Table (WSMT) Compliance section in *Dell Command | Monitor Version 10.9.1 User's Guide*.

Supported operating systems for Windows


- Windows 11 21H2
- Windows 10 21H2
- Windows 10 22H2
- Windows 10 20H1—19041
- Windows 10 19H2—18363
- Windows 10 19H1—18362
- Windows 10 Redstone 1—14393
- Windows 10 Redstone 2—15063
- Windows 10 Redstone 3—16299
- Windows 10 Redstone 4—17134
- Windows 10 Redstone 5—17763
- Windows 10 Redstone 6—18317
- Windows 10
- Windows 10 Pro
- Windows 10 IoT Enterprise LTSC 2016 (64-bit) editions
- Windows 10 IoT Enterprise LTSC 2021

 **NOTE:** Windows 10 IoT Enterprise LTSC 2016 is supported only on Dell IoT Gateway systems, and for Dell Embedded PCs.

What's new in this release for Dell Command | Monitor 10.9.1

- Fixed the issue of arbitrary folder deletion by creating junctions and symlinks in the Telemetry directory while uninstalling Dell Command | Monitor.
- Fixed the issue of OMIL64.dll hijacking.
- Fixed the issue of **DCIM_Location** set method failure.
- Fixed the issue where Dell Command | Monitor is unable to perform get and set operations for BIOS passwords on some platforms.
- Dell Command | Monitor can be installed only at the default location during upgrades.

 **NOTE:** For more details, see *Dell Command | Monitor Reference Guide 10.9.1* at www.dell.com/support.

 **NOTE:** Dell Command | Monitor upgrade fails when the previous version is not installed in the default Program Files directory. In this scenario, uninstall the previous version and do a fresh installation of the latest version available.

Dell Command | Monitor Version 10.9

Topics:

- [Release type and definition](#)
- [Compatibility](#)
- [What's new in this release for Dell Command | Monitor 10.9](#)

Release type and definition

The Dell Command | Monitor enables remote management application programs to access the client's system information, monitor the status, change the state, and shut it down remotely. Through standard interfaces, Dell Command | Monitor exposes key system parameters, allowing administrators to manage inventory, monitor system health, and gather information about deployed Dell business client systems.

Version

10.9

Release Date

January 2023


Previous Version


10.8

Compatibility

Platforms affected

- OptiPlex
- Latitude
- Venue Pro Tablet
- XPS Laptops
- Dell Precision
- Wyse 5070 Thin Client

 **NOTE:** For more information about the supported platforms, see **Compatible Systems** section on the **Driver Details** page for Dell Command | Monitor.

 **NOTE:** Dell Command | Monitor 10.0 or later requires platforms supporting WMI-ACPI BIOS. The complete functionalities of Dell Command | Monitor is available for the supported platforms. For more information, see the [Supported Platforms](#) list.

 **NOTE:** For the limited functionalities on non-WMI-ACPI compliant platforms, see Windows SMM Security Mitigations Table (WSMT) Compliance section in *Dell Command | Monitor Version 10.9 User's Guide*.

Supported Linux operating systems

- Red Hat Enterprise Linux (RHEL) 8.0 (64-bit)
- Red Hat Enterprise Linux (RHEL) 7.0 (64-bit)
- Ubuntu Desktop 16.04 (64-bit)
- Ubuntu Desktop 18.04 (64-bit)
- Ubuntu Server 18.04 (64-bit)
- Ubuntu Desktop 20.04 (64-bit)

What's new in this release for Dell Command | Monitor 10.9

- Dell Command | Monitor can be installed only at the **Default** location.
- Updated PCIe RSA, Memory RSA, CPU RSA to PCIe RAS, Memory RAS, CPU RAS respectively.
- Updated the possible values of the attribute **Absolute**.
- Providing the authorization token in SET commands when the platform does not have a BIOS password (Admin or System password) set, leads to a failure status for SET command and no changes are applied.
- Fixed the issue where the BIOS attribute **Intel Speed Select Technology (IntelSpdSelTech)** does not list the supported possible values.
- Fixed the issue with attribute **Tablet Button Illumination** being displayed twice.
- Fixed the issue where set operation does not work for OwnerName and InsuranceCompany under DCIM_AssetOwnerInformation class.

 **NOTE:** For more details, see *Dell Command | Monitor Reference Guide 10.9* at www.dell.com/support.

Dell Command | Monitor Version 10.8

Topics:

- [Release type and definition](#)
- [Compatibility](#)
- [What's new in this release for Dell Command | Monitor 10.8](#)

Release type and definition

The Dell Command | Monitor enables remote management application programs to access the client's system information, monitor the status, change the state, and shut it down remotely. Through standard interfaces, Dell Command | Monitor exposes key system parameters, allowing administrators to manage inventory, monitor system health, and gather information about deployed Dell business client systems.

Version

10.8

Release Date

July 2022

Previous Version

10.7

Compatibility

Platforms affected

- OptiPlex
- Latitude
- Venue Pro Tablet
- XPS Laptops
- Dell Precision

NOTE: For more information about the supported platforms, see **Compatible Systems** section on the **Driver Details** page for Dell Command | Monitor.

NOTE: Dell Command | Monitor 10.0 or later requires platforms supporting WMI-ACPI BIOS. The complete functionalities of Dell Command | Monitor is available for the supported platforms. For more information, see the [Supported Platforms](#) list.

NOTE: For the limited functionalities on non-WMI-ACPI compliant platforms, see Windows SMM Security Mitigations Table (WSMT) Compliance section in Dell Command | Monitor Version 10.8 User's Guide.

Supported Linux operating systems

- Red Hat Enterprise Linux (RHEL) 8.0 (64-bit)
- Red Hat Enterprise Linux (RHEL) 7.0 (64-bit)
- Ubuntu Desktop 16.04 (64-bit)
- Ubuntu Desktop 18.04 (64-bit)
- Ubuntu Server 18.04 (64-bit)
- Ubuntu Desktop 20.04 (64-bit)

What's new in this release for Dell Command | Monitor 10.8

- Enhanced the warranty feature.
- Added support for save and restore configuration in Dell Command | Monitor for Linux.

 **NOTE:** For more details, see *Dell Command | Monitor Reference Guide 10.8* at www.dell.com/support.

Dell Command | Monitor Version 10.7

Topics:

- [Release type and definition](#)
- [Compatibility](#)
- [What's new in this release for Dell Command | Monitor 10.7](#)

Release type and definition

The Dell Command | Monitor enables remote management application programs to access the client's system information, monitor the status, change the state, and shut it down remotely. Through standard interfaces, Dell Command | Monitor exposes key system parameters, allowing administrators to manage inventory, monitor system health, and gather information about deployed Dell business client systems.

Version

10.7

Release Date

April 2022

Previous Version

10.6.1

Compatibility

Platforms affected

- OptiPlex
- Latitude
- Venue Pro Tablet
- XPS Laptops
- Dell Precision

NOTE: For more information about the supported platforms, see **Compatible Systems** section on the **Driver Details** page for Dell Command | Monitor.

NOTE: Dell Command | Monitor 10.0 or later requires platforms supporting WMI-ACPI BIOS. The complete functionalities of Dell Command | Monitor is available for the supported platforms. For more information, see the [Supported Platforms](#) list.


NOTE: For the limited functionalities on non-WMI-ACPI compliant platforms, see Windows SMM Security Mitigations Table (WSMT) Compliance section in Dell Command | Monitor Version 10.7 User's Guide.

Supported Linux operating systems

- Red Hat Enterprise Linux (RHEL) 8.0 (64-bit)
- Red Hat Enterprise Linux (RHEL) 7.0 (64-bit)
- Ubuntu Desktop 16.04 (64-bit)
- Ubuntu Desktop 18.04 (64-bit)
- Ubuntu Server 18.04 (64-bit)
- Ubuntu Desktop 20.04 (64-bit)

What's new in this release for Dell Command | Monitor 10.7

- Added support for Save BIOS Defaults method.
- Added Intel AMT capability support for four values - Disable, Enable, Restrict MEBx Access, Restrict Preboot Access.
- Removed the Simple Network Management Protocol (SNMP) support.

 **NOTE:** For more details, see *Dell Command | Monitor Reference Guide 10.7* at <https://www.dell.com/support>.

Dell Command | Monitor Version 10.6.1

Topics:

- [Release type and definition](#)
- [Compatibility](#)
- [What's new in this release for Dell Command | Monitor 10.6.1](#)

Release type and definition

The Dell Command | Monitor enables remote management application programs to access the client's system information, monitor the status, change the state, and shut it down remotely. Through standard interfaces, Dell Command | Monitor exposes key system parameters, allowing administrators to manage inventory, monitor system health, and gather information about deployed Dell business client systems.

Version

10.6.1

Release Date

November 2021

Previous Version

10.6.0

Compatibility

Platforms affected

- OptiPlex
- Latitude
- Venue Pro Tablet
- XPS Laptops
- Dell Precision

NOTE: For more information about the supported platforms, see **Compatible Systems** section on the **Driver Details** page for Dell Command | Monitor.

NOTE: Dell Command | Monitor 10.0 or later requires platforms supporting WMI-ACPI BIOS. The complete functionalities of Dell Command | Monitor is available for the supported platforms. For more information, see the [Supported Platforms](#) list.


NOTE: For the limited functionalities on non-WMI-ACPI compliant platforms, see Windows SMM Security Mitigations Table (WSMT) Compliance section in Dell Command | Monitor Version 10.6 User's Guide.


Supported Linux operating systems

- Red Hat Enterprise Linux (RHEL) 8.0 (64-bit)
- Red Hat Enterprise Linux (RHEL) 7.0 (64-bit)
- Ubuntu Desktop 16.04 (64-bit)
- Ubuntu Desktop 18.04 (64-bit)
- Ubuntu Server 18.04 (64-bit)
- Ubuntu Desktop 20.04 (64-bit)

What's new in this release for Dell Command | Monitor 10.6.1

Upgraded the OMI version to 1.6.8-1 to address the security vulnerabilities for CVE-2021-38647, CVE-2021-38648, CVE-2021-38649, and CVE-2021-38645.

 **NOTE:** Dell Command | Monitor 10.6.1 supports Linux Operating Systems.

 **NOTE:** Dell Command | Monitor 10.6.1 tarball internally contains command_monitor 10.6.0 package and this release focuses on upgrading the OMI package to fix the critical security vulnerabilities.

Dell Command | Monitor Version 10.6

Topics:

- [Release type and definition](#)
- [Compatibility](#)
- [What's new in this release for Dell Command | Monitor 10.6](#)

Release type and definition

The Dell Command | Monitor enables remote management application programs to access the client's system information, monitor the status, change the state, and shut it down remotely. Through standard interfaces, Dell Command | Monitor exposes key system parameters, allowing administrators to manage inventory, monitor system health, and gather information about deployed Dell business client systems.

Version

10.6

Release Date

September 2021

Previous Version

10.5.1

Compatibility

Platforms affected

- OptiPlex
- Latitude
- Venue Pro Tablet
- XPS Laptops
- Dell Precision


NOTE: For more information about the supported platforms, see **Compatible Systems** section on the **Driver Details** page for Dell Command | Monitor.

NOTE: Dell Command | Monitor 10.0 or later requires platforms supporting WMI-ACPI BIOS. The complete functionalities of Dell Command | Monitor is available for the supported platforms. For more information, see the [Supported Platforms](#) list.

NOTE: For the limited functionalities on non-WMI-ACPI compliant platforms, see Windows SMM Security Mitigations Table (WSMT) Compliance section in Dell Command | Monitor Version 10.6 User's Guide.


Supported operating systems for Windows

- Windows 11 21H2 - 22000
- Windows 10 20H1 - 19041
- Windows 10 19H2 - 18363
- Windows 10 19H1 - 18362
- Windows 10 Redstone 1 - 14393
- Windows 10 Redstone 2 - 15063
- Windows 10 Redstone 3 - 16299
- Windows 10 Redstone 4 - 17134
- Windows 10 Redstone 5 - 17763
- Windows 10 Redstone 6 - 18317
- Windows 10
- Windows 10 Pro
- Windows 10 IoT Enterprise LTSC 2016 (64-bit) editions

 **NOTE:** Windows 10 IoT Enterprise LTSC 2016 is supported only on Dell IoT Gateway systems, and for Dell Embedded PCs.

What's new in this release for Dell Command | Monitor 10.6

- Support for the following new BIOS attributes:
 - Intel® GNA Accelerator
 - Multiple Atom Cores
 - USB4 CM Mode
 - Onboard Unmanaged NIC
 - Enable Pre-Boot DMA Support
 - Enable OS Kernel DMA Support
 - PCIe Resizable Base Address Register (BAR)
 - OS Agent Requests
 - Enable Microsoft UEFI CA
 - Legacy Manageability Interface Access
 - Power-on-Self-Test (POST) Automatic Recovery
- Support for the **ResetBIOSDefaults** method.

 **NOTE:** For more information about the newly supported BIOS features, see <https://www.dell.com/support/kbdoc/en-us/000183090/dell-command-monitor-dell-command-configure-dell-command-power>.

Dell Command | Monitor Version 10.5.1

Topics:

- [Release type and definition](#)
- [Compatibility](#)
- [What's new in this release for Dell Command | Monitor 10.5.1](#)

Release type and definition

The Dell Command | Monitor enables remote management application programs to access the client's system information, monitor the status, change the state, and shut it down remotely. Through standard interfaces, Dell Command | Monitor exposes key system parameters, allowing administrators to manage inventory, monitor system health, and gather information about deployed Dell business client systems.

Version

10.5.1

Release Date

June 2021

Previous Version

10.5

Compatibility

Platforms affected

- OptiPlex
- Latitude
- Venue Pro Tablet
- XPS Laptops
- Dell Precision

NOTE: For more information about the supported platforms, see **Compatible Systems** section on the **Driver Details** page for Dell Command | Monitor.


NOTE: Dell Command | Monitor 10.0 or later requires platforms supporting WMI-ACPI BIOS. The complete functionalities of Dell Command | Monitor is available for the supported platforms. For more information, see the [Supported Platforms](#) list.


NOTE: For the limited functionalities on non-WMI-ACPI compliant platforms, see Windows SMM Security Mitigations Table (WSMT) Compliance section in Dell Command | Monitor Version 10.5 User's Guide.

Supported operating systems for Windows

- Windows 10 Redstone 1 - 14393
- Windows 10 Redstone 2 - 15063
- Windows 10 Redstone 3 - 16299
- Windows 10 Redstone 4 - 17134
- Windows 10 Redstone 5 - 17763
- Windows 10 Redstone 6 - 18317
- Windows 10
- Windows 10 Pro
- Windows 10 19H1 - 18362
- Windows 10 19H2 - 18363
- Windows 10 20H1 - 19041
- Windows 10 IoT Enterprise LTSC 2016 (64-bit) editions
- Windows 8.1
- Windows 8.1 Professional
- Windows 8.1 Enterprise (32-bit and 64-bit)
- Windows 7
- Windows 7 Service Pack 1 (SP1) Professional
- Windows 7 Professional FES
- Windows 7 Enterprise
- Windows 7 Embedded Standard 7 Professional (WES7-P)
- Windows 7 Embedded Standard 7 Enterprise (WES7-E)
- Windows 7 Ultimate (32-bit and 64-bit)

 **NOTE:** Windows 10 IoT Enterprise LTSC 2016 is supported only on Dell IoT Gateway systems, and for Dell Embedded PCs.

 **NOTE:** Windows 7 Professional FES is supported only on Dell IoT Gateway systems, and for Dell Embedded PCs.

 **NOTE:** Embedded Standard 7 Professional (WES7-P), Embedded Standard 7 Enterprise (WES7-E) are supported only on Dell Embedded PCs.

What's new in this release for Dell Command | Monitor 10.5.1

Upgraded libxml2 and libxslt open-source libraries to the latest version.

Dell Command | Monitor Version 10.5

Topics:

- [Release type and definition](#)
- [Compatibility](#)
- [What's new in this release for Dell Command | Monitor 10.5](#)
- [Important notes](#)
- [Known issues](#)

Release type and definition

The Dell Command | Monitor enables remote management application programs to access the client's system information, monitor the status, change the state, and shut it down remotely. Through standard interfaces, Dell Command | Monitor exposes key system parameters, allowing administrators to manage inventory, monitor system health, and gather information about deployed Dell business client systems.

Version

10.5

Release Date

May 2021


Previous Version


10.4


Compatibility

Platforms affected

- OptiPlex
- Latitude
- Venue Pro Tablet
- XPS Laptops
- Dell Precision

 **NOTE:** For more information about the supported platforms, see **Compatible Systems** section on the **Driver Details** page for Dell Command | Monitor.


 **NOTE:** Dell Command | Monitor 10.0 or later requires platforms supporting WMI-ACPI BIOS. The complete functionalities of Dell Command | Monitor is available for the supported platforms. For more information, see the [Supported Platforms](#) list.


 **NOTE:** For the limited functionalities on non-WMI-ACPI compliant platforms, see Windows SMM Security Mitigations Table (WSMT) Compliance section in Dell Command | Monitor Version 10.5 User's Guide.

Supported operating systems for Windows

- Windows 10 Redstone 1 - 14393
- Windows 10 Redstone 2 - 15063
- Windows 10 Redstone 3 - 16299
- Windows 10 Redstone 4 - 17134
- Windows 10 Redstone 5 - 17763
- Windows 10 Redstone 6 - 18317
- Windows 10
- Windows 10 Pro
- Windows 10 19H1 - 18362
- Windows 10 19H2 - 18363
- Windows 10 20H1 - 19041
- Windows 10 IoT Enterprise LTSC 2016 (64-bit) editions
- Windows 8.1
- Windows 8.1 Professional
- Windows 8.1 Enterprise (32-bit and 64-bit)
- Windows 7
- Windows 7 Service Pack 1 (SP1) Professional
- Windows 7 Professional FES
- Windows 7 Enterprise
- Windows 7 Embedded Standard 7 Professional (WES7-P)
- Windows 7 Embedded Standard 7 Enterprise (WES7-E)
- Windows 7 Ultimate (32-bit and 64-bit)

 **NOTE:** Windows 10 IoT Enterprise LTSC 2016 is supported only on Dell IoT Gateway systems, and for Dell Embedded PCs.

 **NOTE:** Windows 7 Professional FES is supported only on Dell IoT Gateway systems, and for Dell Embedded PCs.

 **NOTE:** Embedded Standard 7 Professional (WES7-P), Embedded Standard 7 Enterprise (WES7-E) are supported only on Dell Embedded PCs.

Supported Linux operating systems

- Red Hat Enterprise Linux (RHEL) 8.0 (64-bit)
- Red Hat Enterprise Linux (RHEL) 7.0 (64-bit)
- Ubuntu Desktop 16.04 (64-bit)
- Ubuntu Desktop 18.04 (64-bit)
- Ubuntu Server 18.04 (64-bit)
- Ubuntu Desktop 20.04 (64-bit)

What's new in this release for Dell Command | Monitor 10.5

- Support for the following new BIOS attributes:
 - Microsoft UEFI CA
 - Type C Dock Video
 - Type C Dock Audio
 - Type C Dock Lan
 - WLAN Antenna
 - WWAN Antenna
 - GPS Antenna
 - Programmable Button Configuration

- Button P1 action
- Button P2 action
- Button P3 action
- Camera Vision Sensing
- TCC Activation Offset
- RGB Per Key Keyboard Language
- RGB Per Key Keyboard Color
- Support for battery ePPID in DCIM_Battery class.

Important notes

- All root or DCIM or SYSMAN namespace classes are prefixed with DCIM.
- Features that are supported for systems running Linux is a subset of that supported for systems running Microsoft Windows. For detailed information, see Dell Command | Monitor version 10.5 Reference Guide.
- Dell Command | Monitor 10.5.0 supports Windows operating system.


Known issues

- While enumerating the supported BIOS features, the SMM Security may also be listed for configuration. However, you cannot set it to disable using Dell Command | Monitor.

SMM Security Mitigation attribute is configured manually from BIOS Setup screen (F2).

- Service startup time is increased due to the updated core architecture.
- While enumerating the supported BIOS features, the unsupported attribute **Peak Shift Battery Threshold** may also be listed for configuration. The attribute is not supported by the platform, you may not be able to configure it by using Dell Command | Monitor, because the attribute is exposed in SMBIOS.

Peak Shift Battery Threshold attribute is not functional before the BIOS is fixed.

 **NOTE:** RearUsb3Ports and FrontUsbPortCollection are deprecated as these features are not applicable, but same attributes IDs can be used for configuring WakeOnLan2.

- Additional attributes that are enumerated by Dell Command | Monitor under `DCM_BIOSEnumeration`. Additional SMBIOS attributes that are available are displayed in Dell Command | Monitor. These additional attributes are displayed in the `DCIM_BIOSEnumeration` class and the set operation does not work as the attributes are not available in BIOS.

Following are the attributes:

- Force PXE on next boot on
- Force PXE on next boot off
- Watchdog timer on
- Watchdog timer off
- Some attributes do not work as expected which are enumerated by Dell Command | Monitor under `DCM_BIOSEnumeration`. Additional SMBIOS attributes that are available are displayed in Dell Command | Monitor. These additional attributes are displayed in the `DCIM_BIOSEnumeration` class but the set operation does not work on these attributes. Following are the attributes:

Following are the attributes:

- LCD brightness
- Keyboard illumination
- Modern standby control
- Energy star logo
- `dsm_sa_datamgr32` service stops responding while installing chipset driver. This issue occurs only when Dell Command | Monitor is installed on some platforms before installing the chipset driver.
- `SecureEraseSupported` and `SecureEraseEnabled` parameters in HDDInfo displays 'No' even if enabled from BIOS setup screen. This issue is addressed in the upcoming BIOS versions.
- `dsm_sa_datamgr32` service stops responding while installing chipset driver.
- Class `DCIM_PhysicalDiskView` enumerates only IDE disk drives for Intel controller.

- The value of Link technology property in DCIM_EthernetPort class appears empty. If the value of any attributes is not in English, then that attributes field may appear blank. For example, DCIM_EthernetPort_LinkTechnology. Dell Command | Monitor is not localized and is an English language application; however, Dell Command | Monitor can be installed on other operating system language versions such as French, German, Spanish, Japanese, Korean, Simplified Chinese, and Traditional Chinese of supported Windows operating systems.
- Dell Command | Monitor allows enabling Secure Boot when Legacy Option ROM is enabled and boot mode is UEFI; however, there is no negative impact due to this on the BIOS.
- If the fan is not working as indicated by Health Status and OperationalStatus attributes, then the attributes Current Status is blank.
- The Non-Critical threshold levels for voltage and current cannot be negative values.
- Setting the Non-Critical threshold levels for fans is not supported. For the attributes SettableThreshold, the Non-Critical value can be set to Settable.
- For temperature probe, the Upper Critical Threshold level should be greater than 0.
- Digital signatures are missing for some third-party files.
- Setting Lower Non-Critical Threshold attributes may not be supported although SupportedThreshold attributes show that it is supported.
- If the values of Upper Non-Critical Threshold for NumericSensor class are close to reading or status values, then an event might be generated although the same might not be shown in the class attributes.
- Lower Threshold alerts are not generated; however, they can be monitored using the Current State attributes in NumericSensor class.
- Degraded status and alert for physical disk is not supported with LSI controllers.
- In LogEntry the element name for alerts is displayed as Alert Log Entry <Alert ID>.
- While stopping the data manager service, an error message might be displayed saying the process cannot be stopped. But the service will be stopped.
- For LSI controllers, status or event may not be generated when the Battery Backup Unit (BBU) is degraded. The BBU degraded status can be viewed in the application log for event (Id number 161 of category type: Warning) generated by source MR_MONITOR.
- After upgrading from Windows operating system, enumerating WMI classes may not display appropriate results. Reinstall Dell Command | Monitor to the newer build or repair the build from control panel.
- Error message might be displayed in Application Log of event viewer while restarting the system or service.
- Hyper-V does not work. Hyper-V does not work if Dell Command | Monitor is installed for the first time on clean installation of Windows 10.

Rebuild Hyper-V WMI repository by running the command:

```
MOFCOMP <SYSTEMROOT>\System32\WindowsVirtualization.V2.mof
```


- DCIM_Docked class displays value Unknown for ElementName property.
- HAPI driver that is shipped with Dell Command | Monitor version 10.1 and 10.0 complies with Windows Hardware Quality Labs (WHQL) for Windows 10. A security message is displayed while installing Dell Command | Monitor on any other Windows operating systems. Upgrade to latest Dell Command | Monitor.
- After the setup password has been set in DINO-XPS-Win7 or any other platform, then those platforms do not allow you to set the system password.
- Windows failed to initiate DSM Data Manager service on a local system. Visual C++ Redistributable for Visual Studio 2019 must be installed.
- Dell Command | Monitor 10.3.1 and any earlier versions cannot fetch the warranty information for a few systems. This issue can be resolved by installing Dell Command | Monitor 10.4.

On systems running Linux

- While enumerating the supported BIOS features, the **Report Logo Type** may also be listed. PossibleValueDescription may be blank, where (0) stands for Dell Logo and (1) stands for Custom Logo. IsReadOnly value that is listed is **False**, whereas it must be **True**.

- **Door** open indication is generated although door is not opened. Occasionally 'Door Open' indication gets generated due to multiple operations running simultaneously. For example, the BIOS settings are enumerated and configured continuously in a stress run.

Chassis door open indication is repetitive and unless multiple alerts occur, this should not be serviced.

 **NOTE:** This behavior is rarely noticed. This issue is addressed in upcoming release.

- Setting up BIOS configuration may occasionally fail. Failure messages are displayed while a user tries to apply BIOS configurations.

Apply BIOS configuration settings again, and it is successful.

- BIOS setting enumeration value appears as 1. Installing HAPI library from other source may not load the HAPI driver.

Install HAPI package from Dell Command | Monitor tar package. If the package is installed, then load the driver module by running the following command:

```
insmod <filename>
```

- Element Name in DCIM_Card class returns blank or displays value (2) Unknown while enumeration.
- Physical Disk View always displays value 2 (Unknown) for AF (Advance Format) Status for Physical Disks that are managed by LSI controllers.
- Dell Command | Monitor 9.2 for Linux, syslog entries on alerts are written only when CIM events are subscribed.
- If Dell Command | Configure 4.2 and Dell Command | Monitor 10.0 (or any prior versions) are installed in the system, then the Dell Command | Monitor 10.0 (or any prior versions) may not work.

Upgrade Dell Command | Monitor to the latest version.

- For the following BIOS Settings, set BIOSAttributes method displays incorrect value 0 (Success), while using the unsupported possible values:
 1. Keyboard Backlight Color Enable
 2. Keyboard Backlight Custom Color 1
 3. Keyboard Backlight Custom Color 2
- The performance of Dell Command | Monitor 10.3 or later in Linux operating system regarding DCIM_BIOSEnumeration class is slower on the systems that are running on kernel versions 4.15 or later.

Dell Command | Monitor Version 10.4

Topics:

- [Release type and definition](#)
- [Compatibility](#)
- [What's new in this release for Dell Command | Monitor 10.4](#)
- [Important notes](#)
- [Known issues](#)

Release type and definition

The Dell Command | Monitor enables remote management application programs to access the client's system information, monitor the status, change the state, and shut it down remotely. Through standard interfaces, Dell Command | Monitor exposes key system parameters, allowing administrators to manage inventory, monitor system health, and gather information about deployed Dell business client systems.

Version

10.4.0

Release Date

December 2020

Previous Version

10.3.1

Compatibility

Platforms affected

- OptiPlex
- Latitude
- Venue Pro Tablet
- XPS Laptop
- Dell Precision

NOTE: For more information about the supported platforms, see **Compatible Systems** section on the **Driver Details** page for Dell Command | Monitor.


NOTE: Dell Command | Monitor 10.0 or later requires platforms supporting WMI-ACPI BIOS. The complete functionalities of Dell Command | Monitor is available for the supported platforms. For more information, see the [Supported Platforms](#) list.


NOTE: For the limited functionalities on non-WMI-ACPI compliant platforms, see Windows SMM Security Mitigations Table (WSMT) Compliance section in Dell Command | Monitor Version 10.4 User's Guide.

Supported Windows operating systems

- Windows 10 Redstone 1 - 14393
- Windows 10 Redstone 2 - 15063
- Windows 10 Redstone 3 - 16299
- Windows 10 Redstone 5 - 17763
- Windows 10 Redstone 6 - 18317
- Windows 10
- Windows 10 Pro
- Windows 10 19H1 - 18362
- Windows 10 19H2 - 18363
- Windows 10 20H1 - 19041
- Windows 10 IoT Enterprise LTSC 2016 (64-bit) editions
- Windows 8.1
- Windows 8.1 Professional
- Windows 8.1 Enterprise (32-bit and 64-bit)
- Windows 7
- Windows 7 Service Pack 1 (SP1) Professional
- Windows 7 Professional FES
- Windows 7 Enterprise
- Windows 7 Embedded Standard 7 Professional (WES7-P)
- Windows 7 Embedded Standard 7 Enterprise (WES7-E)
- Windows 7 Ultimate (32-bit and 64-bit)

 **NOTE:** Windows 10 IoT Enterprise LTSC 2016 is supported only on Dell IoT Gateway systems, and for Dell Embedded PCs.

 **NOTE:** Windows 7 Professional FES is supported only on Dell IoT Gateway systems, and for Dell Embedded PCs.

 **NOTE:** Embedded Standard 7 Professional (WES7-P), Embedded Standard 7 Enterprise (WES7-E) are supported only on Dell Embedded PCs.

Supported Linux operating systems

- Red Hat Enterprise Linux (RHEL) 8.0 (64-bit)
- Red Hat Enterprise Linux (RHEL) 7.0 (64-bit)
- Ubuntu Desktop 16.04 (64-bit)
- Ubuntu Desktop 18.04 (64-bit)
- Ubuntu Server 18.04 (64-bit)
- Ubuntu Desktop 20.04 (64-bit)

What's new in this release for Dell Command | Monitor 10.4

Support for the following new BIOS attributes:

- Thermal Management
- Microcode Update Support
- Disable Password Jumper
- Nvme Password Feature
- Allow Non-Admin PSID Revert
- Enable Hybrid Graphics
- PCIe Bifurcation
- HTTP(s) Boot Feature
- HTTP(s) Boot Mode

- Device Configuration Hotkey Access
- Power Button Override
- Disable USB4 PCIE Tunneling
- TME Enable
- Video/Power only on Type-C Ports
- Type-C Dock Override
- Safe Shutter

Important notes

- All root or DCIM or SYSMAN namespace classes are prefixed with DCIM.
- Dell Command | Monitor 10.4 for Linux is not DASH-compliant.
- Features that are supported for systems running Linux is a subset of that supported for systems running Microsoft Windows. For detailed information, see Dell Command | Monitor version 10.4 Reference Guide.


Known issues

- While enumerating the supported BIOS features, the SMM Security may also be listed for configuration. However, you cannot set it to disable using Dell Command | Monitor.

SMM Security Mitigation attribute is configured manually from BIOS Setup screen (F2).

- Service startup time is increased due to the updated core architecture.
- While enumerating the supported BIOS features, the unsupported attribute **Peak Shift Battery Threshold** may also be listed for configuration. The attribute is not supported by the platform, you may not be able to configure it by using Dell Command | Monitor, because the attribute is exposed in SMBIOS.

Peak Shift Battery Threshold attribute is not functional before the BIOS is fixed.

 **NOTE:** RearUsb3Ports and FrontUsbPortCollection are deprecated as these features are not applicable, but same attributes IDs can be used for configuring WakeOnLan2.

- Additional attributes that are enumerated by Dell Command | Monitor under `DCM_BIOSEnumeration`. Additional SMBIOS attributes that are available are displayed in Dell Command | Monitor. These additional attributes are displayed in the `DCIM_BIOSEnumeration` class and the set operation does not work as the attributes are not available in BIOS.

Following are the attributes:

- Force PXE on next boot on
- Force PXE on next boot off
- Watchdog timer on
- Watchdog timer off
- Some attributes do not work as expected which are enumerated by Dell Command | Monitor under `DCM_BIOSEnumeration`. Additional SMBIOS attributes that are available are displayed in Dell Command | Monitor. These additional attributes are displayed in the `DCIM_BIOSEnumeration` class but the set operation does not work on these attributes. Following are the attributes:

Following are the attributes:

- LCD brightness
- Keyboard illumination
- Modern standby control
- Energy star logo
- `dsm_sa_datamgr32` service stops responding while installing chipset driver. This issue occurs only when Dell Command | Monitor is installed on some platforms before installing the chipset driver.
- SecureEraseSupported and SecureEraseEnabled parameters in HDDInfo displays 'No' even if enabled from BIOS setup screen. This issue is addressed in the upcoming BIOS versions.
- `dsm_sa_datamgr32` service stops responding while installing chipset driver.
- Class `DCIM_PhysicalDiskView` enumerates only IDE disk drives for Intel controller.
- The value of Link technology property in `DCIM_EthernetPort` class appears empty. If the value of any attributes is not in English, then that attributes field may appear blank. For example, `DCIM_EthernetPort_LinkTechnology`. Dell Command |

Monitor is not localized and is an English language application; however, Dell Command | Monitor can be installed on other operating system language versions such as French, German, Spanish, Japanese, Korean, Simplified Chinese, and Traditional Chinese of supported Windows operating systems.

- Dell Command | Monitor allows enabling Secure Boot when Legacy Option ROM is enabled and boot mode is UEFI; however, there is no negative impact due to this on the BIOS.
- If the fan is not working as indicated by Health Status and OperationalStatus attributes, then the attributes Current Status is blank.
- The Non-Critical threshold levels for voltage and current cannot be negative values.
- Setting the Non-Critical threshold levels for fans is not supported. For the attributes SettableThreshold, the Non-Critical value can be set to Settable.
- For temperature probe, the Upper Critical Threshold level should be greater than 0.
- Digital signatures are missing for some third-party files.
- Setting Lower Non-Critical Threshold attributes may not be supported although SupportedThreshold attributes show that it is supported.
- If the values of Upper Non-Critical Threshold for NumericSensor class are close to reading or status values, then an event might be generated although the same might not be shown in the class attributes.
- Lower Threshold alerts are not generated; however, they can be monitored using the Current State attributes in NumericSensor class.
- Degraded status and alert for physical disk is not supported with LSI controllers.
- In LogEntry the element name for alerts is displayed as Alert Log Entry <Alert ID>.
- While stopping the data manager service, an error message might be displayed saying the process cannot be stopped. But the service will be stopped.
- For LSI controllers, status or event may not be generated when the Battery Backup Unit (BBU) is degraded.

The BBU degraded status can be viewed in the application log for event (Id number 161 of category type: Warning) generated by source MR_MONITOR.

- After upgrading from Windows operating system, enumerating WMI classes may not display appropriate results. Reinstall Dell Command | Monitor to the newer build or repair the build from control panel.
- Error message might be displayed in Application Log of event viewer while restarting the system or service.
- Hyper-V does not work. Hyper-V does not work if Dell Command | Monitor is installed for the first time on clean installation of Windows 10.

Rebuild Hyper-V WMI repository by running the command:

```
MOFCOMP <SYSTEMROOT>\System32\WindowsVirtualization.V2.mof
```

- DCIM_Docked class displays value Unknown for ElementName property.
- HAPI driver that is shipped with Dell Command | Monitor version 10.1 and 10.0 complies with Windows Hardware Quality Labs (WHQL) for Windows 10. A security message is displayed while installing Dell Command | Monitor on any other Windows operating systems.

Upgrade to latest Dell Command | Monitor.


- After the setup password has been set in DINO-XPS-Win7 or any other platform, then those platforms do not allow you to set the system password.
- Windows failed to initiate DSM Data Manager service on a local system.

Visual C++ Redistributable for Visual Studio 2019 must be installed.

On systems running Linux

- While enumerating the supported BIOS features, the **Report Logo Type** may also be listed. PossibleValueDescription may be blank, where (0) stands for Dell Logo and (1) stands for Custom Logo. IsReadOnly value that is listed is **False**, whereas it must be **True**.
- **Door** open indication is generated although door is not opened. Occasionally 'Door Open' indication gets generated due to multiple operations running simultaneously. For example, the BIOS settings are enumerated and configured continuously in a stress run.

Chassis door open indication is repetitive and unless multiple alerts occur, this should not be serviced.

 **NOTE:** This behavior is rarely noticed. This issue is addressed in upcoming release.

- Setting up BIOS configuration may occasionally fail. Failure messages are displayed while a user tries to apply BIOS configurations.

Apply BIOS configuration settings again, and it is successful.

- BIOS setting enumeration value appears as 1. Installing HAPI library from other source may not load the HAPI driver.

Install HAPI package from Dell Command | Monitor tar package. If the package is installed, then load the driver module by running the following command:

```
insmod <filename>
```

- Element Name in DCIM_Card class returns blank or displays value (2) Unknown while enumeration.
- Physical Disk View always displays value 2 (Unknown) for AF (Advance Format) Status for Physical Disks that are managed by LSI controllers.
- Dell Command | Monitor 9.2 for Linux, syslog entries on alerts are written only when CIM events are subscribed.
- If Dell Command | Configure 4.2 and Dell Command | Monitor 10.0 (or any prior versions) are installed in the system, then the Dell Command | Monitor 10.0 (or any prior versions) may not work.

Upgrade Dell Command | Monitor to the latest version.

- For the following BIOS Settings, set BIOSAttributes method displays incorrect value 0 (Success), while using the unsupported possible values:
 1. Keyboard Backlight Color Enable
 2. Keyboard Backlight Custom Color 1
 3. Keyboard Backlight Custom Color 2
- The performance of Dell Command | Monitor 10.3 or later in Linux operating system regarding DCIM_BIOSEnumeration class is slower on the systems that are running on kernel versions 4.15 or later.

Dell Command | Monitor Version 10.3.1

Topics:

- [Release Type and Definition](#)
- [Compatibility](#)
- [What's new in this release for Dell Command | Monitor 10.6](#)
- [Important Notes](#)
- [Fixes](#)
- [Known Issues](#)

Release Type and Definition

The Dell Command | Monitor enables remote management application programs to access the client's system information, monitor the status, change the state, and shut it down remotely. Through standard interfaces, Dell Command | Monitor exposes key system parameters, allowing administrators to manage inventory, monitor system health, and gather information about deployed Dell business client systems.

Version

10.3.1

Release Date

June 2020

Previous Version

10.3

Compatibility

Platforms Affected

- OptiPlex
- Latitude
- Venue Pro Tablet
- XPS Laptops
- Dell Precision

NOTE: Dell Command | Monitor 10.0 or later requires platforms supporting WMI-ACPI BIOS. The complete functionalities of Dell Command | Monitor is available for the supported platforms. For more information, see the [Supported Platforms](#) list.

NOTE: For the limited functionalities on non-WMI-ACPI compliant platforms, see Windows SMM Security Mitigations Table (WSMT) Compliance section in Dell Command | Monitor Version 10.3 User's Guide.

Supported Windows operating systems

- Windows 10 Redstone 1 - 14393
- Windows 10 Redstone 2 - 15063
- Windows 10 Redstone 3 - 16299
- Windows 10 Redstone 5 - 17763
- Windows 10 Redstone 6 - 18317
- Windows 10
- Windows 10 Pro
- Windows 10 19H1 - 18362
- Windows 10 19H2 - 18363
- Windows 10 20H1 - 19041
- Windows 10 IoT Enterprise LTSC 2016 (64-bit) editions

 **NOTE:** Windows 10 IoT Enterprise LTSC 2016 is supported only on Dell IoT Gateway systems, and for Dell Embedded PCs.

Supported Linux operating systems

- Red Hat Enterprise Linux (RHEL) 8.0 (64-bit)
- Red Hat Enterprise Linux (RHEL) 7.0 (64-bit)
- Ubuntu Desktop 16.04 (64-bit)
- Ubuntu Desktop 18.04 (64-bit)
- Ubuntu Server 18.04 (64-bit)
- Ubuntu Desktop 20.04 (64-bit)

What's new in this release for Dell Command | Monitor 10.6

- Support for the following new BIOS attributes:
 - Intel® GNA Accelerator
 - Multiple Atom Cores
 - USB4 CM Mode
 - Onboard USB NIC
 - Enable Pre-Boot DMA Support
 - Enable OS Kernel DMA Support
 - PCIe Resizable Base Address Register (BAR)
 - OS Agent Requests
 - Enable Microsoft UEFI CA
 - Legacy Manageability Interface Access
 - Power-on-Self-Test (POST) Automatic Recovery
- Support for the **ResetBIOSDefaults** method.

Important Notes

- All root or DCIM or SYSMAN namespace classes are prefixed with DCIM.
- Dell Command | Monitor 10.3 for Linux is not DASH-compliant.
- Features that are supported for systems running Linux is a subset of that supported for systems running Microsoft Windows. For detailed information, see Dell Command | Monitor version 10.3 Reference Guide.

Fixes

Fixed an issue where the DSM data manager service is not deployed on Windows operating system. This issue occurred on systems with a RAID configuration, an Onboard Intel Controller, and an M.2 NVME SSDs.

Known Issues


Issue: While enumerating the supported BIOS features, the SMM Security may also be listed for configuration. However, you cannot set it to disable using Dell Command | Monitor.

Resolution: SMM Security Mitigation attribute is configured manually from BIOS Setup screen (F2).

Issue: Service startup time is increased due to the updated core architecture.

Issue: While enumerating the supported BIOS features, the unsupported attribute **Peak Shift Battery Threshold** may also be listed for configuration. The attribute is not supported by the platform, you may not be able to configure it by using Dell Command | Monitor, because the attribute is exposed in SMBIOS.

Resolution: **Peak Shift Battery Threshold** attribute is not functional before the BIOS is fixed.

 **NOTE:** RearUsb3Ports and FrontUsbPortCollection are deprecated as these features are not applicable, but same attributes IDs can be used for configuring WakeOnLan2.

Issue: Additional attributes that are enumerated by Dell Command | Monitor under `DCM_BIOSEnumeration`.

Description: Additional SMBIOS attributes that are available are displayed in Dell Command | Monitor. These additional attributes are displayed in the `DCIM_BIOSEnumeration` class and the set operation does not work as the attributes are not available in BIOS.

Following are the attributes:

- Force PXE on next boot on
- Force PXE on next boot off
- Watchdog timer on
- Watchdog timer off

Issue: Some attributes do not work as expected which are enumerated by Dell Command | Monitor under `DCM_BIOSEnumeration`.

Description: Additional SMBIOS attributes that are available are displayed in Dell Command | Monitor. These additional attributes are displayed in the `DCIM_BIOSEnumeration` class but the set operation does not work on these attributes. Following are the attributes:

Following are the attributes:

- LCD brightness
- Keyboard illumination
- Modern standby control
- Energy star logo

Issue: `dsm_sa_datamgr32` service stops responding while installing chipset driver.

Description: This issue occurs only when Dell Command | Monitor is installed on some platforms before installing the chipset driver.

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

This issue is addressed in the upcoming BIOS versions.

Issue: `dsm_sa_datamgr32` service stops responding while installing chipset driver.

Issue: Class `DCIM_PhysicalDiskView` enumerates only IDE disk drives for Intel controller.

Issue: The value of `Link technology` property in `DCIM_EthernetPort` class appears empty.

Description: If the value of any attributes is not in English, then that attributes field may appear blank. For example, `DCIM_EthernetPort_LinkTechnology`. Dell Command | Monitor is not localized and is an English language application; however, Dell Command | Monitor can be installed on other operating system language versions such as French, German, Spanish, Japanese, Korean, Simplified Chinese, and Traditional Chinese of supported Windows operating systems.

Issue: Dell Command | Monitor allows enabling Secure Boot when Legacy Option ROM is enabled and boot mode is UEFI; however, there is no negative impact due to this on the BIOS.

Issue: If the fan is not working as indicated by Health Status and OperationalStatus attributes, then the attributes Current Status is blank.

Issue: The Non-Critical threshold levels for voltage and current cannot be negative values.

Issue: Setting the Non-Critical threshold levels for fans is not supported. For the attributes SettableThreshold, the Non-Critical value can be set to Settable.

Issue: For temperature probe, the Upper Critical Threshold level should be greater than 0.

Issue: Digital signatures are missing for some third-party files.

Issue: Setting Lower Non-Critical Threshold attributes may not be supported although SupportedThreshold attributes show that it is supported.

Issue: If the values of Upper Non-Critical Threshold for NumericSensor class are close to reading or status values, then an event might be generated although the same might not be shown in the class attributes.

Issue: Lower Threshold alerts are not generated; however, they can be monitored using the Current State attributes in NumericSensor class.

Issue: Degraded status and alert for physical disk is not supported with LSI controllers.

Issue: In LogEntry the element name for alerts is displayed as Alert Log Entry <Alert ID>.

Issue: While stopping the data manager service, an error message might be displayed saying the process cannot be stopped. But the service will be stopped.

Issue: For LSI controllers, status or event may not be generated when the Battery Backup Unit (BBU) is degraded.

Resolution: The BBU degraded status can be viewed in the application log for event (Id number 161 of category type: Warning) generated by source MR_MONITOR.

Issue: After upgrading from Windows operating system, enumerating WMI classes may not display appropriate results.

Resolution: Reinstall Dell Command | Monitor to the newer build or repair the build from control panel.

Issue: Error message might be displayed in Application Log of event viewer while restarting the system or service.

Issue: Hyper-V does not work.

Description: Hyper-V does not work if Dell Command | Monitor is installed for the first time on clean installation of Windows 10.

Resolution: Rebuild Hyper-V WMI repository by running the command:

```
MOFCOMP <SYSTEMROOT>\System32\WindowsVirtualization.V2.mof
```

Issue: DCIM_Docked class displays value Unknown for ElementName property.

Issue: HAPI driver that is shipped with Dell Command | Monitor version 10.1 and 10.0 complies with Windows Hardware Quality Labs (WHQL) for Windows 10. A security message is displayed while installing Dell Command | Monitor on any other Windows operating systems.

Resolution: Upgrade to latest Dell Command | Monitor.

Issue: After the setup password has been set in DINO-XPS-Win7 or any other platform, then those platforms do not allow you to set the system password.

Issue: Windows failed to initiate DSM Data Manager service on a local system.

Resolution: Visual C++ Redistributable for Visual Studio 2015 must be installed.

On systems running Linux

Issue: While enumerating the supported BIOS features, the **Report Logo Type** may also be listed.

PossibleValueDescription may be blank, where (0) stands for Dell Logo and (1) stands for Custom Logo. IsReadOnly value that is listed is **False**, whereas it must be **True**.

Issue: 'Door' open indication is generated although door is not opened.

Description: Occasionally 'Door Open' indication gets generated due to multiple operations running simultaneously. For example, the BIOS settings are enumerated and configured continuously in a stress run.

Resolution: Chassis door open indication is repetitive and unless multiple alerts occur, this should not be serviced.

 **NOTE:**

This behavior is rarely noticed. This issue is addressed in upcoming release.

Issue: Setting up BIOS configuration may occasionally fail.

Description: Failure messages are displayed while a user tries to apply BIOS configurations.

Resolution: Apply BIOS configuration settings again, and it is successful.

Issue: BIOS setting enumeration value appears as 1.

Description: Installing HAPI library from other source may not load the HAPI driver.

Resolution: Install HAPI package from Dell Command | Monitor tar package. If the package is installed, then load the driver module by running the following command:

```
insmod <filename>
```

Issue: Element Name in DCIM_Card class returns blank or displays value (2) Unknown while enumeration.

Issue: Physical Disk View always displays value 2 (Unknown) for AF (Advance Format) Status for Physical Disks that are managed by LSI controllers.

Issue: Dell Command | Monitor 9.2 for Linux, syslog entries on alerts are written only when CIM events are subscribed.

Issue: If Dell Command | Configure 4.2 and Dell Command | Monitor 10.0 (or any prior versions) are installed in the system, then the Dell Command | Monitor 10.0 (or any prior versions) may not work.

Resolution: Upgrade Dell Command | Monitor to the latest version.

Issue: For the following BIOS Settings, setBIOSAttributes method displays incorrect value 0 (Success), while using the unsupported possible values:

1. Keyboard Backlight Color Enable
2. Keyboard Backlight Custom Color 1
3. Keyboard Backlight Custom Color 2

Issue: The performance of Dell Command | Monitor 10.3 in Linux operating system regarding DCIM_BIOSEnumeration class is slower on the systems that are running on kernel versions 4.15 or later.

Installation Instructions

For information and procedure for installing Dell Command | Monitor, see the Dell Command | Monitor - Installation Guide, available at dell.com/dellclientcommandssuitemanual.

Topics:

- [Prerequisites for systems running on Windows](#)
- [Prerequisites for systems running on Linux](#)
- [Installation process](#)

Prerequisites for systems running on Windows

- Systems must be compatible with a WMI-ACPI compliant BIOS. If a system does not have a WMI-ACPI compliant BIOS over which to install Dell Command | Monitor, update the BIOS with a compatible version. For more information, see the Dell Command | Monitor Release Notes.
- The target system is a Dell manufactured system with System Management Basic Input Output System (SMBIOS) 2.3 or later. Otherwise, the Dell Command | Monitor installer exits without installing.

NOTE: To view the SMBIOS version of the system, choose any one of the following methods:

- Go to **Start > Run**, and run the `msinfo32.exe` file. Check for the SMBIOS version in the **System Summary** page.
- Run the following commands:

```
Get-CimInstance Win32_BIOS | select SMBIOSMajorVersion
Get-CimInstance Win32_BIOS | select SMBIOSMinorVersion
```

- The system is running a supported Windows operating system. For more information, on supported Windows operating systems, see [Supported operating systems](#).
- .NET Framework 4.6.1 or later is installed.
- You have administrative privileges on the client system. This means that you must be authenticated on the client system as a user who is a member of the Administrators group, typically the Administrator.
- Microsoft Visual C++ Redistributable for Visual Studio 2019.

Prerequisites for systems running on Linux

- The system is a Dell manufactured system with System Management Basic Input Output System (SMBIOS) 2.3 or later.

NOTE: To view the SMBIOS version of the system running Ubuntu Desktop, run the following command:

```
dmidecode -t
```

- The system is running on a supported Linux operating system. For more information, on supported Linux operating systems, see [Supported operating systems](#).
- Open Management Infrastructure (OMI) 1.6.8-0.ssl_100 is installed for Ubuntu Desktop 16.04 (64-bit) or Red Hat Enterprise Linux 7.0; and Open Management Infrastructure (OMI) 1.6.8-0.ssl_110 is installed for Ubuntu Server/Desktop 18.04, Ubuntu Desktop 20.04, and RHEL-8.
- The HAPI client-side shared libraries are installed with the respective version.
- libxml2 should be installed.
- For the systems running Ubuntu Core 16, snap version 2.23 or later is installed.
- You have root access on the target system. This means that you must be authenticated on the target system as a user who is a member of the root user group.

Prerequisites for Dell Edge Gateway systems

- Active Dell EDM subscription. Go to cloudclientmanager.com and click **Trial and Licensing** for more details on subscriptions.
 - EDM agent must be installed in order to discover the features offered by Dell Command | Monitor.
- NOTE:** You must install Dell Command | Monitor before installing EDM agent in order for EDM to manage the parameters exposed by Dell Command | Monitor. If Dell Command | Monitor is installed after EDM agent, these parameters are not displayed on the EDM server portal until the EDM agent performs a next periodic check-in, or EDM is restarted.

Installation process

For information about installation, uninstallation, and upgrade of Dell Command | Monitor, see the Dell Command | Monitor 10.5 User's Guide at dell.com/support

Limitations

Dell Command | Monitor for Linux works only on the SMM Enabled (Security Mitigation) environments, if the kernel version is 4.15 or later. Otherwise, SMM Enabled (Security Mitigation) environment must be disabled or turned off.

Importance

RECOMMENDED: Dell recommends using the latest version of the software for an optimized experience. 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).

Contacting Dell

i **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.

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