

Dell Command | Monitor 9.1.2

Release Notes



Version

9.1.2

Release Date:

Jun 2016

Previous Version

9.1.1

The Dell Command | Monitor (formally known as OpenManage™ Client Instrumentation or OMCI) 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 on deployed Dell business client systems.

Importance

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 Edge Gateway 5000 series
- Dell Embedded Box PC 5000 series
- Dell Embedded Box PC 3000 series

What is Supported

Supported Operating Systems

Microsoft Windows

- Windows 7 Professional FES (32-bit and 64-bit)
- Windows 7 Professional (32-bit and 64-bit)
- Windows 10 Professional (32-bit and 64-bit)
- Windows IoT Enterprise LTSB (32-bit and 64-bit)

Linux

- Ubuntu Snappy Core 15.04 (64-bit)
- Ubuntu Desktop 16.04 (64-bit)

NOTE: The operating system image must be downloaded from the Dell Canonical store only.

What's New

- Support for new platforms:
 - Dell Embedded Box PC 3000 series running Windows
 - Dell Embedded Box PC 5000 series running Windows
- Support for installing and uninstalling Dell Command | Monitor on Dell Embedded Box PCs running Ubuntu Desktop using Deb package
- Support for new operating system: Ubuntu Desktop 16.04 (64 bit) on Dell Embedded Box PC 3000 and 5000 series systems
- Support for the following new BIOS attributes:
 - Enclave Memory Size
 - TPM Hash Algorithm
 - Warnings And Errors
 - WLAN Region Code
- Support for new values for the following supported attributes:
 - Serial Port 1
 - Serial Port 2
 - Serial Port 3
 - Serial Port 4

Fixes

For systems running Microsoft Windows

Issue: 'SetResult' argument returns value as '9' for set operation when SetBIOSAttributes() method is invoked

Description: 'SetResult' returns value as '9' for set operations that are not allowed by BIOS. For example, when Secure boot is enabled, BIOS does not allow enabling of legacy option ROM. If user tries to enable legacy option ROM, then 'SetResult' displays value as '9'.

Fix: 'SetResult' argument returns value as '1' to indicate Failure

For systems running Linux

Issue: Hardware details are not displayed.

Description: Hardware details are not displayed if the system has the following BIOS configurations: UEFI boot mode is enabled, and Secure boot is on.

Fix: This issue has been resolved.

Important Notes

- DC|M 9.1.2 does not support Ubuntu Desktop 16.04 (64 bit) on Dell Edge Gateway 5000 series.
- DC|M 9.1.2 does not support Ubuntu Snappy Core 15.04 (64 bit) on Dell Embedded Box PC 3000/ 5000 series.
- All root\DCIM\SYSMAN namespace classes are prefixed with DCIM.
- DCIM classes supported for systems running Linux is a subset of that supported for systems running Microsoft Windows.

Known Issues

On systems running Microsoft Windows

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: dsm_sa_datamgr service stops responding when USB driver is enabled, disabled or uninstalled.

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 attribute is not in English, then that attribute 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 OS 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. This issue will be addressed in the upcoming BIOS versions.

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

Issue: The NonCritical threshold levels for voltage and current cannot be negative values.

Issue: Setting the NonCritical threshold levels for fans is not supported. For the attribute SettableThreshold the NonCritical 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 NonCritical Threshold attributes may not be supported although SupportedThreshold attribute shows that it is supported.

Issue: If the values of Upper NonCritical 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 attribute 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 #161 of category type: Warning) generated by source MR_MONITOR.

Issue: After upgrading from Windows OS, 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.

On systems running Linux

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

Description: Occasionally ‘Door Open’ indication gets generated due to multiple operations running at the same time. For example, the BIOS setting are enumerated and configured continuously in a stress run.

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

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

Issue: Setting up BIOS configuration may occasionally fail.

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

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

Installation Prerequisites

For systems running Microsoft Windows

Hardware Requirements

- Dell Embedded Box PC 3000
- Dell Embedded Box PC 5000

Before installing Dell Command | Monitor, ensure that:

- You have administrative rights 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.
- The target system is a Dell system with SMBIOS version 2.3 or later. Otherwise, the Dell Command | Monitor installer exits without installing. You can get the SMBIOS version using the following command in PowerShell command line interface:

```
get-ciminstance win32_bios | select SMBIOSMajorVersion, SMBIOSMinorVersion
```

For systems running Linux

Hardware requirements	Operating system requirements	Prerequisites

Dell Edge Gateway 5000	Snappy Ubuntu Core 15.04	<ul style="list-style-type: none"> • Open Manage infrastructure (OMI) 1.0.8-2 • HAPI Client side shared libraries 8.3.0
Dell Embedded Box PC 3000	Ubuntu Desktop 16.04	
Dell Embedded Box PC 5000	Ubuntu Desktop 16.04	

- 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.

Other requirements

- Active Dell EDM subscription. Go to <http://www.cloudclientmanager.com> and click Trial and Licensing for more details on subscription.
- EDM agent must be installed in order to discover the features offered by Dell Command | Monitor.

Installation Instructions

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

Installation and Configuration Notes

- Following an upgrade, it may be necessary to reboot the system for the installation to complete.
- To complete the upgrade, reboot the system./Reboot the system to complete the upgrade.
- Following an uninstallation, it may be necessary to reboot the system for the uninstallation to complete.
- On some Dell systems, the Processor Logical Processor (HyperThreading) setting in the DCIM_BIOSEnumeration class displays ‘Enabled’ or ‘Disabled’ even if the installed processor does not support hyperthreading technology.
- In this case, changes to the Processor Logical Processor (HyperThreading) setting may toggle the multi-core capability on and off, rather than hyperthreading.
- On some Dell systems, the Multiple CPU Cores setting in the DCIM_BIOSEnumeration class displays ‘Enabled’ or ‘Disabled’ even if the

installed processor does not support multi-core technology. In this case, changes to the multiple CPU cores are ineffective.

- Change the auditing object access audit policy to enable auditing for the desired namespace in Windows Vista. For instructions about enabling auditing, see the Microsoft article: "Access to WMI Namespaces" at: <http://msdn2.microsoft.com/en-us/library/Aa822575.aspx>. For instructions about enabling the WMI logging, see the Microsoft article "WMI log Files" at: <http://msdn2.microsoft.com/en-us/library/Aa394564.aspx>
- For local users, if the User Account Control (UAC) is turned on, only the built-in local Administrator account can access the DCIM\SYSMAN namespace. For remote users, if UAC is turned on and the remote system is part of a domain, use a domain account that is in the local Administrators group of the remote computer, to access the DCIM\SYSMAN namespace of the target computer. For more information, see the Microsoft article "User Account Control and WMI" at: <http://msdn2.microsoft.com/en-us/library/aa826699.aspx>
- An operation that sets or verifies a BIOS password may pause the operating system for up to five seconds.
- Dell Command | Monitor creates NT Event Log entries referring to 'System Administrator'. This is a name for a low level component of Dell Command | Monitor that is necessary for operation.
- To install and operate Dell Command | Monitor, .NET Framework 4.0 or later is required on Windows operating systems.
- For systems configured as RAID through Intel Rapid Storage Technology, if the RAID is in 'verify and fix' state, DC | M does not create instances of DCIM_PhysicalDiskView and DCIM_VirtualDiskView. The 'verify and fix' is a transition state and the RAID volume is engaged for handling the corresponding commands.
- In silent mode (unattended) of installation, the system may restart itself.

Contacting Dell

NOTE: 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.

Dell provides several online and telephone-based support and service options. 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 support.dell.com.
2. Select your support category.
3. Verify your country or region in the Choose a Country/Region drop-down list at the bottom of the page.
4. Select the appropriate service or support link based on your need.

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