Dell Chassis Management Controller

Version 5.0

Release Notes

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The Dell Chassis Management Controller (CMC) is a hot-pluggable systems management hardware and software solution designed to provide the following functions for Dell PowerEdge M1000e chassis system:

- Remote management capabilities
- Power control
- Cooling control

Version

Dell Chassis Management Controller 5.0

Release Date

December 2014

Previous Version

Dell Chassis Management Controller Version 4.5

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

CMC version 5.0 supports the following Dell PowerEdge(TM) systems in the Dell PowerEdge M1000e system enclosure:

- Dell PowerEdge M630
- Dell PowerEdge M420
- Dell PowerEdge M520
- Dell PowerEdge M600
- Dell PowerEdge M605
- Dell PowerEdge M610
- Dell PowerEdge M610X
- Dell PowerEdge M620
- Dell PowerEdge M710
- Dell PowerEdge M710HD
- Dell PowerEdge M805
- Dell PowerEdge M820
- Dell PowerEdge M905
- Dell PowerEdge M910
- Dell PowerEdge M915

What is Supported?

Supported Web Browsers

CMC version 5.0 is supported on the following Web browsers:

- Microsoft Internet Explorer 9
- Microsoft Internet Explorer 10
- Microsoft Internet Explorer 11
- Safari version 6.0
- Safari version 7.0
- Mozilla Firefox version 29
- Mozilla Firefox version 30
- Google Chrome version 33
- Google Chrome version 34

What's New

- Includes features released in CMC version 4.5.
- Support for virtual address inventory for servers (FlexAddress or IO identity).
- Option to use an external library (CIFS/NFS directory) to store server profiles.
- Firmware signature check.
- Display FC link status and PC link speed for the IOA.
- No blade throttle during CMC firmware update or failover to backup CMC.
- Support for IOA firmware images larger then 45MB.

Fixes

- Upgrades an open source component of WS-MAN namely SFCB (Small Footprint CIM Broker) from 1.3.10 to 1.3.17, where CIM is Common Information Model.
- Fine tunes memory monitoring daemons.
- Fixed an issue where an unresponsive iDRAC causes servers to lose connectivity to the network.

Important Notes

- While using Remote RACADM client with CMC 5.0 version, make sure that Remote RACADM client version 8.0.2 is installed.
- When Certificate Validation is Enabled, FQDN of the system must be provided. If IP address of the Domain Controller is specified when certificate validation is enabled, then the Active Directory login does not work.
- When saving Server Profile under "Server Overview > Setup > Profiles", the list of characters that are not supported for the Profile Name must include the characters hash(#), comma(,), and question mark(?).
- You may see an impact in the performance of the Graphical User Interface with this release of CMC. The performance impact varies by configuration, GUI page, and system load.
- Updating CMC firmware from earlier versions to version 5.0 makes more program space available requiring an upgrade to 5.0 before applying any subsequent releases.

Known Issues

Issue 1:

Description

XWKGY_Intel10G card shows Flex disabled address after racresetcfg of CMC in Network Device Page and OS.

Resolution

Virtual reseat or Physical reseat of the server.

Versions/Systems Affected

All CMC versions including CMC 5.0 and PowerEdge servers with iDRAC7 or earlier.

Issue 2:

Description

Io-Identity values are displayed partially in the cmc getmacaddress -c all for 8F6NV(Intel).

Resolution

None

Versions/Systems Affected

CMC 5.0 and servers with Intel adapetrs Intel(R) 10G 2P X520-k bNDC and Intel 10GbE/FCoE Dual KR X-520.

Issue 3:

Description

RACADM displays non ISCI MAC addresses after using ISCI filter in "getmacaddress –m server-x –t iscsi" command.

Resolution

None

Versions/Systems Affected

All CMC versions including CMC 5.0.

Issue 4:

Description

VLAN settings from the leader chassis are not propagating to member chassis.

Resolution

Login to each member chassis CMC GUI and set the VLAN for iDRAC (**Server Overview** -> **Setup** -> **VLAN** page).

Versions/Systems Affected

All CMC versions including CMC 5.0 and PowerEdge servers with iDRAC7 or earlier.

Issue 5:

Description

CMC GUI displays alerting choices for PCI alerts, but CMC does not support PCI.

Resolution

None.

Versions/Systems Affected

CMC 5.0

Limitations

Issue 1:

Description

While executing WSMAN commands continuously, WSMAN timeouts can occur occassionally, but get resolved quickly without CMC failover or reboots.

Resolution

None

Versions/Systems Affected

All CMC versions including CMC 5.0.

Issue 2:

Description

The remote racadm testfeature command (racadm -r <IP Address> testfeature..) does not support the -d (debug) option.

Resolution

None

Versions/Systems Affected

All CMC versions including CMC 5.0.

Issue 3:

Description

For Single Sign-On and Smart Card login, the client system must be a part of the Active Directory domain and Kerberos Realm.

Resolution

On Windows clients, under the Local Security Polices, make sure to configure the security option "Network security: Configure encryption types allowed for Kerberos." This policy setting allows you to set the encryption types that Kerberos is allowed to use.

The DES_CBC_MD5 encryption type must be selected. If this encryption type is not selected, the encryption type will not be allowed. This setting may affect compatibility with client computers or services and applications.

Versions/Systems Affected

All CMC versions including CMC 5.0.

Issue 4:

Description

When you add a member chassis to a chassis group using the Multi-Chassis Management feature, you cannot specify the group members with an IPv6 address.

Resolution

None

Versions/Systems Affected

All CMC versions including CMC 5.0.

Issue 5:

Description

While running "racadm getactiveerrors" command, module ID for server errors is displayed as a slot number, for example 1,2,3, and so on.

Resolution

None

Versions/Systems Affected

CMC 5.0

Installation

Prerequisites

For information on pre-requisites, see the *Dell PowerEdge M1000e Chassis Management Controller Firmware Version 5.0 User's Guide*.

For information on Hardware and Software requirements, see the *Dell PowerEdge M1000e Chassis Management Controller Firmware Version 5.0 User's Guide*.

For information on Installation and Configuration, see the *Dell PowerEdge M1000e Chassis Management Controller Firmware Version 5.0 User's Guide*.

Installation Instructions

For information on installation, see the *Dell PowerEdge M1000e Chassis Management Controller Firmware Version 5.0 User's Guide*.

Upgrade

See the *Prerequisites* section for the correct version numbers.

Upgrading Dell PowerEdge M1000e I/O Aggregator

I/O Aggregator must first be updated to version 8.3.17.4 before updating to version 9.2.0.0 or greater.

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 **dell.com/contactdell**.
2. Select your country or region from the interactive world map.
3. When you select a region, the countries for the selected regions are displayed
4. Select the appropriate language under the country of your choice.
5. Select your business segment.
    The main support page for the selected business segment is displayed.
6. Select the appropriate option depending on your requirement.
   Note: If you have purchased a Dell system, you may be asked for the Service Tag.

Accessing Documents From Dell Support Site

To access the documents from Dell Support site:
1. Go to **dell.com/support/manuals**.
2. In the **Tell us about your Dell system** section, under **No**, select **Choose from a list of all Dell products** and click **Continue**.
3. In the **Select your product type** section, click **Software, Monitors, Electronics & Peripherals**.
4. In the **Choose your Dell Software, Monitors, Electronics & Peripherals** section, click **Software**.
5. In the **Choose your Dell Software section**, click the required link from the following:

   • Client System Management

   • Enterprise System Management

   • Remote Enterprise System Management

   • Serviceability Tools
6. To view the document, click the required product version.

You can also directly access the documents using the following links:

   • For Client System Management documents — **dell.com/OMConnectionsClient**

   • For Enterprise System Management documents — **dell.com/openmanagemanuals**

   • For Remote Enterprise System Management documents — **dell.com/esmmanuals**

   • For Serviceability Tools documents — **dell.com/serviceabilitytools**