

**Dell Chassis
Management
Controller**

Version 4.50

Release Notes

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Dell Chassis Management Controller

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 4.50

Release Date

December 2013

Previous Version

Dell Chassis Management Controller Version 4.45

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 4.5 supports the following Dell PowerEdge(TM) systems in the Dell PowerEdge M1000e system enclosure:

- 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 and Operating Systems

CMC version 4.5 is supported on the following Web browsers:

- Microsoft Internet Explorer 8: Windows XP 32-bit SP3, Windows Vista x32 and x64 SP2, Windows 7 x32 and x64, Windows Server 2003 x32 and x64 SP2, Windows Server 2008 x32 and x64, Windows Server 2008 R2 x64.
- Microsoft Internet Explorer 8 (x64): Windows Vista X64 SP2, Windows 7 x64, Windows Server 2003 x64 SP2, Windows Server 2008 x64, Windows Server 2008 R2 x64.
- Microsoft Internet Explorer 9: Windows Vista x32 and x64 SP2, Windows 7 x32 and x64, Windows Server 2008 R2 x64.
- Microsoft Internet Explorer 9 (x64): Windows Vista x64 SP2, Windows 7 x64, Windows Server 2008 R2 x64.
- Microsoft Internet Explorer 10: Windows 8 x32 and x64, Windows Server 2012 x32 and x64.
- Safari 5.2
- Mozilla Firefox 6.0: Windows XP 32-bit SP3, Windows Vista x32 and x64 SP2, Windows 7 x32 and x64, Windows Server 2003 x32 and x64 SP2, Windows Server 2008 x32 and x64, Windows Server 2008 R2 x64.
- Mozilla Firefox 7.0: Windows XP 32-bit SP3, Windows Vista x32 and x64 SP2, Windows 7 x32 and x64, Windows Server 2003 x32 and x64 SP2, Windows Server 2008 x32 and x64, Windows Server 2008 R2 x64.
- Mozilla Firefox 15.0: Windows XP 32-bit SP3, Windows Vista x32 and x64 SP2, Windows 7 x32 and x64, Windows Server 2003 x32 and x64 SP2, Windows Server 2008 x32 and x64, Windows Server 2008 R2 x64.
- Mozilla Firefox 16.0: Windows XP 32-bit SP3, Windows Vista x32 and x64 SP2, Windows 7 x32 and x64, Windows Server 2003 x32 and x64 SP2, Windows Server 2008 x32 and x64, Windows Server 2008 R2 x64.

What's New

- Includes features released in CMC 4.45
- 3000W PSU with Extended Power Performance to increase the power available in grid redundant mode
- Support for next generation fans and Enhanced Cooling Mode option for increased airflow
- Selectable QuickDeploy Address range
- Single click all server update from CIFS/NFS directory built by Dell Repository Manager
- Support to pre-enable power up of 13G servers for evaluation without requiring an update to CMC firmware

Fixes

- Fixes multiple issues with WS-MAN server power operations.

Important Notes

- While using Remote RACADM client with CMC 4.5 version, make sure that Remote RACADM client version 7.3.2 is installed.
- While using the command "racadm config -f" with CMC 3.21 version of firmware, make sure that Remote RACADM client version 6.3.0 or later is installed.
- CMC with firmware version earlier than 3.21, make sure that the Remote RACADM client version earlier than 6.3.0 is installed.

Known Issues

Issue 1:

Description

Versions 6.0 and 7.0 of Mozilla Firefox Web Browser do not support IPv6 addresses.

Resolution

You must use URLs that contain a registered hostname when accessing a CMC or iDRAC Server that has an IPv6 address. If the CMC or iDRAC Server also has an IPv4 address, then that is supported.

Versions/Systems Affected

CMC version 2.1 or greater.

Limitations

Issue 1:

Description

WSMAN timeouts can occur occasionally, but will recover quickly without CMC failover or reboots.

Resolution

None

Versions/Systems Affected

All CMC versions including CMC 4.50.

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 4.50.

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 7 clients, under the Local Security Policies, 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 4.50.

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 4.50.

Installation

Prerequisites

For information on pre-requisites, see the *Dell PowerEdge M1000e Chassis Management Controller Firmware Version 4.5 User's Guide*.

For information on Hardware and Software requirements, see the *Dell PowerEdge M1000e Chassis Management Controller Firmware Version 4.5 User's Guide*.

For information on Installation and Configuration, see the *Dell PowerEdge M1000e Chassis Management Controller Firmware Version 4.5 User's Guide*.

Installation Instructions

For information on installation, see the *Dell PowerEdge M1000e Chassis Management Controller Firmware Version 4.5 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**

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