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DELL(TM) CHASSIS MANAGEMENT CONTROLLER VERSION 3.0

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Version: 3.0

Release Date: 07 July 2010

This document contains updated information about the Dell Chassis Management Controller (CMC).

For more information about the CMC, including installation and configuration information, see the "Dell Chassis Management Controller Firmware Version 3.0 User Guide" and the "Dell OpenManage(TM) Server Administrator User's Guide." These documents are located on the Dell Support website at "support.dell.com."

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CRITICALITY

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3 - Optional

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MINIMUM REQUIREMENTS

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SUPPORTED SYSTEMS

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CMC version 3.0 is supported on the following Dell PowerEdge(TM) systems in the Dell PowerEdge M1000-e system enclosure:

- \* Dell PowerEdge M600
- \* Dell PowerEdge M605
- \* Dell PowerEdge M610
- \* Dell PowerEdge M610X

- \* Dell PowerEdge M710
- \* Dell PowerEdge M710HD
- \* Dell PowerEdge M805
- \* Dell PowerEdge M905
- \* Dell PowerEdge M910

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## SUPPORTED WEB BROWSERS

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CMC version 3.0 is supported on the following web browsers:

- \* Microsoft Internet Explorer 8.0 for Windows 7, Windows Vista, Windows XP, and Windows Server 2003 family
  
- \* Microsoft Internet Explorer 7.0 for Windows 7, Windows Vista, Windows XP, and Windows Server 2003 family
  
- \* Mozilla Firefox 2.0-3.x (32-bit)

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## FIRMWARE VERSIONS

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CMC Firmware Version: 3.0

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## RECOMMENDED MODULE FIRMWARE VERSIONS

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The following chassis module firmware versions are recommended additionally if CMC version 3.0 is installed:

- \* iDRAC Firmware Version:
  - 3.0 for Dell PowerEdge M610, M610X, M710, M710HD, M910
  - 1.53 for Dell PowerEdge M600, M605, M805, M905
  
- \* BIOS Version:
  - 2.1.8 for Dell PowerEdge M610, M610X, M710
  - 0.1.11 for Dell PowerEdge M710HD
  - 1.1.5 for Dell PowerEdge M910
  
  - 2.3.1 for Dell PowerEdge M600
  - 5.4.1 for Dell PowerEdge M605
  - 2.3.3 for Dell PowerEdge M805, M905
  
- \* CPLD Version:
  - 1.0.3 for Dell PowerEdge M610, M610X, M710
  - 1.0.0 for Dell PowerEdge M610X (Extended CPLD)
  - 1.0.0 for Dell PowerEdge M710HD
  - 1.0.1 for Dell PowerEdge M910
  - 1.1.1 for Dell PowerEdge M600
  - 1.1.0 for Dell PowerEdge M605, M805, M905

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## RELEASE HIGHLIGHTS

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- \* 10GB Ethernet enablement
- \* New M710HD Virtualization Optimized Blade
- \* New and more efficient fans
- \* Lightweight Directory Access Protocol (LDAP) Support for iDRAC6 and CMC
- \* Directory based authentication and access authorization through the open standard used in the Linux community and cross platform in large enterprise
- \* Improved Web 2.0 CMC Interface
- \* Visual appeal, important information and inventory at a glance
- \* Starts most common actions with a single click
- \* Provides option to use the chassis in Maximum Power Conservation Mode to extend power life while running on UPS or other backup power sources
- \* Summary of Server Temperature sensors showing aggregate temperature and health on a single page
- \* Option to use Operating System assigned server host name as slot name
- \* Option to launch a virtual Keyboard-Video-Mouse (remote console) session for a server
- \* Optional one-time session specific timeout for CMC web interface login

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## KNOWN ISSUES FOR BROWSERS

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- \* When loading or sorting CMC log entries in a Firefox browser, you may get a pop up warning about an unresponsive script. To prevent these warnings, perform the following steps:
  - (a) In the Firefox address bar, enter "about:config".
  - (b) Scroll down and find the "dom.max\_script\_run\_time" entry.
  - (c) Double-click the entry and change the value to at least 30. (248345)

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## KNOWN ISSUES FOR CMC Version 3.0

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\* While using the command "racadm config -f" with :

- CMC 3.0 or later versions of firmware, ensure that the Remote RACADM client version 6.3.0 or later is installed
- CMC with an earlier version of 3.0 firmware, ensure that the Remote RACADM client version earlier than 6.3.0 is installed.

\* Upgrading between CMC FW version 2.3 and 3.0 multiple times may disable the Active Directory enablement configuration setting under Chassis Overview -> User Authentication -> Directory Services), which was enabled previously. Login using an alternative method to enable the setting again.

\* The racadm testfeature command for use with Active Directory (Simple or Kerberos authentication), does not display diagnostic information except for simple syntax errors. Testing configuration parameters for LDAP, using the racadm testfeature command, remain fully functional (393409).

\* Upgrading to CMC 3.0 enables to increase the power capacity in support of new blades, but will not automatically change the value.

\* For Single Sign-On and Smart Card login, the client system must be a part of the Active Directory domain and Kerberos Realm. On Windows 7, clients under the Local Security Policies, must ensure 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.

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KNOWN ISSUES FOR USER INTERFACE ONLINE HELP  
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No known issues for this release.

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KNOWN ISSUES FOR DOCUMENTATION  
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No known issues for this release.

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