

**Dell Chassis
Management
Controller (CMC)
Version 1.20 for Dell
PowerEdge VRTX**

Release Notes



Release Type and Definition

The Dell Chassis Management Controller (CMC) Version 1.20 for Dell PowerEdge VRTX is a System Management hardware and software solution for managing the Dell PowerEdge VRTX chassis.

Version

1.20

Release Date

December 2013

Previous Version

1.10

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.

Platform(s) Affected

Dell Chassis Management Controller (CMC) for Dell PowerEdge VRTX is supported on the following system:

- PowerEdge VRTX

What is Supported?

License Requirements

The CMC supports software licensing to use advanced systems management features. For more information about the license requirements, see the *Dell Chassis Management Controller for Dell VRTX User's Guide*.

Supported Management Station Operating Systems and Web Browsers for CMC for Dell PowerEdge VRTX

- Microsoft Internet Explorer 9 on Windows 7 SP2 32-bit, Windows 7 SP2 64-bit, Windows Server 2008 SP2 32-bit, Windows Server 2008 SP2 64-bit, and Windows Server SP2 2008 R2 64-bit
- Microsoft Internet Explorer 10 on Windows 7 SP2 32-bit, Windows 7 SP2 64-bit, Windows 8.1 32-bit, Windows 8.1 64-bit, Windows Server 2008 R2 SP2 64-bit, and Windows Server 2012
- Microsoft Internet Explorer 8 on Windows 2003 SP2
- Mozilla Firefox 22/23 on Windows 7 SP2 32-bit, Windows 7 SP2 64-bit, Windows 8.1 32-bit, Windows 8.1 64-bit, Macintosh OSX 10.7, Macintosh OSX 10.8, Windows 2003 SP2, Windows Server 2008 SP2 32-bit, Windows Server 2008 SP2 64-bit, and Windows Server 2012
- Google Chrome 27/28 on Windows 8.1 32-bit and Windows 8.1 64-bit
- Safari 5.2/6 on Macintosh OSX 10.7 and Macintosh OSX 10.8

Supported Server Modules

- Mainboard firmware: 1.20 or later
- iDRAC7 Version: 1.50.50 or later
- CPLD Version for PowerEdge M520: 1.0.6 or later
- CPLD Version for PowerEdge M620: 1.0.5 or later
- PowerEdge M520 BIOS Version: 2.0.22 or later
- PowerEdge M620 BIOS Version: 2.1.3 or later

Note: Server modules with unsupported iDRAC7, BIOS, and CPLD versions may turn on in the VRTX chassis, but can cause some unexpected issues.

What's New?

- Ivy Bridge support for M520 and M620 servers
- Support Fiber channel PCIe card
- Save BIOS configuration profiles to hard disk drive (HDD) for restoring to the same or a different Chassis
- Multi-Chassis management
 - Capability to select chassis configuration properties from the Lead Chassis and apply them to the member Chassis.
 - Capability for Group Members to keep their Chassis settings synchronized with the Lead Chassis
- Reset iDRAC without restarting the server module from the CMC
- Display of Chassis Server and component Inventory for Chassis Group
- Quick Deploy of Profiles to slots
- Manage server settings through Profiles — backup, restore, and replicate
- Support all available settings for server profile replication
- Default credential check and display of warning to user through GUI, CLI, and SNMP alert
- Blocking User and IP address after unsuccessful login attempts
- Starting iDRAC using DNS name
- Additional WS-Man support for OMPC

Fixes

Fixed an issue when creating a RAID 10 virtual disk with less than the full memory capacity and using more than two HDDs in a span, which could result in the size of virtual disk being incorrect.

Important Notes

- Until the HDDs and PCIe cards are mapped by using the CMC web interface, the shared hard disk drives (HDDs) and PCIe cards are managed by the CMC and are not visible to the operating system in the server modules. For instructions about mapping PCIe cards and managing the storage subsystem, see the Chassis Management Controller for PowerEdge VRTX Version 1.2 User's Guide available at dell.com/support/manuals.
- All the server modules must be turned off before updating the firmware for chassis infrastructure and SPERC. CMC firmware can be updated while the servers are turned on.

- Some advanced features require CMC enterprise license. For more information about the CMC licenses, see the Chassis Management Controller for PowerEdge VRTX Version 1.2 User's Guide available at dell.com/support/manuals.
- Before updating the storage component using the web interface, make sure that the browser's Cookies are enabled.

Known Issues

- When multiple CMCs are grouped using the multi-chassis management feature in an Internet Explorer browser, if you pause the mouse over the chassis graphics, it may incorrectly show 25 HDDs in a 12-HDD chassis. Select the individual CMC in the group to view the correct chassis graphics, or use alternate browsers.
- 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.

Limitations

None

Installation

Prerequisites

Before setting up your CMC environment, download the latest version of CMC firmware for PowerEdge VRTX from the Dell Support Website at dell.com/support/. Also, make sure that you have the Dell Systems Management Tools and Documentation DVD that is included with your server.

Installation Procedure

1. In the CMC web interface, click **Chassis Overview**, and then click **Update**.
2. On the **Firmware Update** page, in the **CMC Firmware** section, select the required components under the **Update Targets** column for the CMC or CMCs (if a standby CMC is present) you want to update, and then click **Apply CMC Update**.
3. In the **Firmware Image** box, type the path to the firmware image file on the management station or shared network, or click **Browse** to browse through to the file location. The default name of the CMC firmware image file is `vr_tx_cmc.bin`.
4. Click **Begin Firmware Update**, and then click **Yes**. The **Firmware Update Progress** section displays information about the firmware update status.

For more information, see the *Chassis Management Controller for PowerEdge VRTX Version 1.0 User's Guide* available at www.dell.com/esmmanuals.

Upgrade

For information about version numbers, refer to the "Prerequisites" section. The modules should be updated in the following order:

- Mainboard
- SPERC, expanders, and physical disk drives
- BIOS
- Lifecycle Controller
- iDRAC7

NOTE: The CMC firmware should be updated prior to updating the server component firmware modules listed here.

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. Visit **www.dell.com/support**.
2. Select your support category.
3. Verify your country or region in the **Choose a Country/Region** drop-down menu at the top of page.
4. Select the appropriate service or support link based on your need.

For information about documentation support:

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.

NOTE: 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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