

#####

INTEGRATED DELL(TM) REMOTE ACCESS CONTROLLER 6 (iDRAC6) VERSION 1.70  
Release Notes:

#####

Integrated Dell Remote Access Controller6 (iDRAC6) is a systems management hardware and software solution that provides remote management capabilities, crashed system recovery, and power control functions for the Dell PowerEdge systems.

#####

What's New

#####

- \* Improved Web GUI performance.
- \* Improved vFlash performance.
- \* Out of Band Hardware and Firmware Inventory support.
- \* Console launch without SSO.
- \* Work notes.
- \* Improved System FRU data (Added Product Name, serial number, Asset tag, and Version in Product info Area of FRU).
- \* Virtual MAC support.
- \* Identify in Command Line Interface (CLI).
- \* OEM SEL Event filtering.
- \* Plain English SEL events.
- \* Default web certificate update through Command Line Interface.
- \* Display Life Cycle Controller firmware version display on CLI and GUI.
- \* Support for platforms PowerEdge(TM) R415, and EqualLogic(TM) DX6000G.
- \* Support for operating system Redhat Enterprise Linux 6 x64.

#####

Hardware and Software Requirments

#####

=====

SUPPORTED SYSTEMS

=====

iDRAC6 is supported on the following Dell PowerEdge(TM) systems:

- \* DELL PowerEdge R710
- \* DELL PowerEdge R815
- \* DELL PowerEdge T410
- \* DELL PowerEdge R715
- \* DELL PowerEdge R210
- \* DELL PowerEdge R510
- \* DELL PowerEdge T310
- \* DELL PowerEdge R910
- \* DELL PowerEdge R310
- \* DELL PowerEdge R415

- \* DELL PowerEdge R515
- \* DELL PowerEdge T610
- \* DELL PowerEdge R610
- \* DELL PowerEdge R410
- \* DELL PowerEdge R810
- \* DELL PowerEdge T710
- \* DELL PowerEdge R210 II
- \* DELL PowerVault DR6000
- \* DELL PowerVault NX3000
- \* DELL PowerVault NX3100
- \* DELL PowerVault NX200
- \* DELL PowerVault DL2100
- \* DELL PowerVault NX300
- \* DELL PowerVault DL2200
- \* DELL EqualLogic DX6004S
- \* DELL EqualLogic DX6000
- \* DELL EqualLogic FS7500
- \* DELL EqualLogic DX6012S
- \* DELL EqualLogic DX6000G

---

---

## SUPPORTED MANAGED SERVER OPERATING SYSTEMS

---

---

The iDRAC6 is supported by the following operating systems:

- \* Microsoft(R) Windows Server(R) 2003 family

The Windows Server 2003 family includes:

- Windows Server 2003 R2 (Standard, Enterprise, and DataCenter Editions) with SP2 (x86, x86\_64)
- Windows Server 2003 Compute Cluster Edition

- \* Microsoft Windows Server 2008 SP2 (Standard, Enterprise, and DataCenter Editions) (x86, x86\_64)
- \* Microsoft Windows Server 2008 EBS x64 SP1 (Standard and Premium Editions)
- \* Microsoft Windows Server 2008 R2 SP1 (Standard, Enterprise, and DataCenter Editions) (x86\_64)
- \* Microsoft Windows Server 2008 HPC Edition Server R1/R2 SP1
- \* SUSE(R) Linux Enterprise Server (SLES) 10 SP3 (x86\_64)
- \* SUSE Linux Enterprise Server (SLES) 11 SP1 (x86\_64)
- \* Red Hat(R) Enterprise Linux (RHEL) 6.0 (x86\_64) SP1
- \* Red Hat(R) Enterprise Linux (RHEL) 5.5 (x86, x86\_64) SP7
- \* Hyper-V(TM) and Hyper-V R2
- \* VMware(R) ESX 4.0 Update 3

- \* VMware(R) ESX 4.1 Update 1
- \* VMware(R) ESX 5.0
- \* ESXi(TM) 4.0 Update 3 Flash and HDD
- \* ESXi(TM) 4.1 Update 1 Flash and HDD
- \* XenServer(TM) 5.6 HDD
- \* XenServer(TM) 5.6 FP1 HDD

Note:

Use the Dell-customized ESXi 4.0 Update 1 Embedded edition. This image is available at [support.dell.com](http://support.dell.com) and [vmware.com](http://vmware.com). The remote deployment and local installation of ESXi through Virtual Media is not supported for standard ESXi Embedded version 4.0, as the installation may fail with the error message, "Installation failed as more than one USB device found."

=====

SUPPORTED WEB BROWSERS

=====

- \* Microsoft Internet Explorer(R) 7.0 for Windows Server 2003 SP2, Windows Server 2008 SP2, Windows XP 32-bit SP3, and Windows Vista(R) SP2
- \* Microsoft Internet Explorer 8.0 for Windows Server 2003 SP2, Windows Server 2008 SP2, Windows Server 2008 R2 x64, Windows XP 32-bit SP3, Windows 7 and Windows Vista(R) SP2.  
Internet Explorer 8 requires Java(TM) Runtime Environment (JRE) version 1.6.14 or later
- \* Microsoft Internet Explorer 8.0 (64-bit) for Windows 7 (x86\_64), Windows Vista (x86\_64) and Windows Server 2008 R2 (x86\_64), Windows Server 2008 SP2 (x86\_64) and Windows Server 2003 SP2 (x86\_64)
- \* Mozilla(R) Firefox(R) 3.5 for Windows XP 32-bit SP3, Windows Server 2003 SP2, Windows Server 2008 SP2, Windows Server 2008 x64 R2, Windows Vista SP2 and Windows 7 x64
- \* Mozilla(R) Firefox(R) 3.6 for Windows Server 2008 SP2, Windows Server 2008 x64 R2, Windows Vista SP2, Windows 7 32-bit and Windows 7 x64
- \* Mozilla(R) Firefox(R) for SLES 10 x64 SP3, SLES 11 x64 SP1, RHEL 5.5 and RHEL 6.0 x64 Native version.

#####

Prerequisites

#####

=====

## INSTALLATION PREREQUISITES

---

Before you update iDRAC6 firmware using local RACADM or the Dell Update Packages, perform the following procedures. Otherwise, the firmware update operation may fail.

- \* Install and enable the appropriate IPMI and managed node drivers.
- \* If your system is running a Windows operating system, enable and start the Windows Management Instrumentation (WMI) service.
- \* If you are using iDRAC6 Enterprise and your system is running SUSE Linux Enterprise Server (version 10) for Intel EM64T, start the Raw service.
- \* Disconnect and unmount Virtual Media.
- \* If iDRAC6 firmware update is interrupted for any reason, you need to wait for at least 30 minutes before you start the firmware update again.
- \* Ensure that the USB is enabled.

#####

### Installation and Configuration Notes

#####

- \* From Windows host operating system(managed node): Run Dell Update Package for windows and follow the instructions on update wizard.
- \* From Linux host operating system(managed node): Run Dell Update Package for Linux and run it from shell prompt. Follow the instructions displayed on the console.
- \* Remote update through GUI (From management client):
  - Extract the Firmware Image self extracting file to the client machine.
  - Login as administrator to iDRAC GUI through supported web browser.
  - Navigate to Remote Access > Update page.
  - Click "Browse" and select the previously extracted d6 image file.
  - Click "Upload" and wait for the upload to finish.
  - After the upload is completed, the existing firmware revision number and new firmware revision number are displayed.
  - Click "Update." After the update is completed, iDRAC restarts automatically.
- \* For more information about iDRAC6, including installation and configuration information, see the "Integrated Dell Remote Access Controller 6 (iDRAC6) Enterprise Version 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/manuals." On the "Manuals" page, click "Software" > "Systems Management". Click on the appropriate product link on the right-side to access the documents.

#####

## Upgrade

#####

\* Upgrading from iDRAC versions 1.50 to 1.70.

#####

## Uninstallation

#####

\* Use the rollback feature to uninstall version 1.70.

\* On certain hardware configurations, based on the firmware release, firmware downgrades are not allowed.

#####

## Open Issues and Resolutions

#####

\* Sometimes the "Save As" and "Clear Log" buttons on the "Remote Access" > "Logs" > "iDRAC Log" page may disappear when you hover the mouse near these buttons. This is a known limitation with the GUI.

Workaround: To resolve this issue, click "Refresh".

\* On few Windows operating systems, under certain conditions, the iDRAC vmcli.exe will fail. This is due to the run-time components of Visual C++(R) Libraries (VC++ 2008 redistributable package) required to run applications that are not available.

Workaround: To resolve this, download and install Microsoft Visual C++ 2008 Redistributable Package (x86) from the following location: [microsoft.com/downloads/details](http://microsoft.com/downloads/details).

\* GUI may Log out when you try to upload any file types other than original SSL certificate files in the "Upload Certificate" page.

Workaround: Login to the GUI again and upload the correct SSL certificate.

\* If you add more than 800 work notes, the GUI page may take few more seconds to load the page. This is due to huge amount of data that needs to be transacted between the GUI and iDRAC6. The newly added work notes may not be displayed after the page is loaded.

Workaround: To resolve this issue, click "Refresh".

\* After any new hardware addition or removal, system inventory page may not

update the changes automatically. This is due to inventory data collected during manufacturing process not being updated with new changes.

Workaround: Select "Cntl+E" during BIOS POST and enable "Collect System Inventory on reboot". After you save and exit from "Cntl+E" option, the system is rebooted to collect new system inventory. After Inventory collection is completed, the GUI "System Inventory" page displays correct Hardware and software inventory data.

\* Virtual MAC under "System Details" page is not populated if system inventory was not run from iDRAC GUI before entering system details page. This is due to inventory data not being available for Virtual MAC to display.

Workaround: Click "System Inventory" on the iDRAC GUI homepage. Ensure that inventory data is displayed on the inventory page. After the data is loaded, click the "System Details" tab for Virtual MAC to display inventory data, if the system supports this feature.

#####

## Global Support

#####

\* For information on technical support, visit [www.dell.com/contactus](http://www.dell.com/contactus).

#####

Information in this document is subject to change without notice.  
(C) 2011 Dell Inc. All rights reserved.

Reproduction of these materials in any manner whatsoever without the written permission of Dell Inc. is strictly forbidden.

Trademarks used in this text: "Dell", "OpenManage", and "PowerEdge" are trademarks of Dell Inc.; "Microsoft", "Windows", "Internet Explorer", "Windows Server", "Windows Vista", "ActiveX", "Hyper-V Server", "Hyper-V", "Visual C++", and "Active Directory" are either trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries; "Intel" is a registered trademark of Intel Corporation in the United States and other countries; "SUSE" is a registered trademark of Novell Corporation; "Red Hat" and "Red Hat Enterprise Linux" are registered trademarks of Red Hat, Inc. in the United States and other countries; "VMware", "ESX Server", and "ESXi Server" are registered trademarks or trademarks of VMware, Inc. in the United States and/or other jurisdictions; "XenServer" is a trademark of Citrix Systems, Inc. in the United States and/or other countries; "Java" is a trademarks of Sun Microsystems, Inc. in the United States and other countries; "Mozilla" and "Firefox" are either registered trademarks or trademarks of Mozilla Foundation.

Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names or their products.

Dell Inc. disclaims any proprietary interest in trademarks and trade names other than its own.

2011 - 08

Rev. A02