##

INTEGRATED DELL(TM) REMOTE ACCESS CONTROLLER 6 (iDRAC6) Version 2.10

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This document contains updated information about the Integrated Dell
Remote Access Controller 6.

For more information about iDRAC, including installation and
configuration information, see the "Integrated Dell Remote Access
Controller 6 (iDRAC6) Enterprise 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".

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SUPPORTED SYSTEMS
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iDRAC6 is supported on the following Dell PowerEdge(TM) systems in the
Dell PowerEdge M1000e system enclosure:

* Dell PowerEdge M610
* Dell PowerEdge M710

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SUPPORTED MANAGED SERVER OPERATING SYSTEMS
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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 (Web, Standard and Enterprise Editions)
    with SP2 (x86).
  - Windows Server 2003 R2 (Standard, Enterprise and DataCenter
    Editions) with SP2 (x64).
  - Windows Server 2003 (SBS, Standard, and Premium Editions)
    with SP2.

* Microsoft Windows Server 2008 with core (Web, Standard, and
  Enterprise Editions) (x86)

* Microsoft Windows Server 2008 with core (Standard, Enterprise,
  and DataCenter Editions) (x64)

* Microsoft Windows Server 2008 SBS, EBS, Standard, and Premium
  Editions

* SUSE(R) Linux Enterprise Server (SLES) 10 SP2

* SUSE(R) Linux Enterprise Server (SLES) 11 SP2

* Red Hat(R) Enterprise Linux (RHEL) 4.7 (x86_32, x86_64)

* RHEL 5 Update 3 (x86_32, x86_64)

* VMware(R) ESX 3.5 Update 4

* VMware(R) ESX 4.0

* XenServer 5.5

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SUPPORTED WEB BROWSERS
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* Microsoft Internet Explorer 6.0 with SP2 for Microsoft Windows(R)
  XP, Windows 2000 Sever, Windows 2000 Pro, Windows 2003 Server Gold,
  Windows 2003 Server SP1, and Windows 2003 Server SP2

* Microsoft Internet Explorer 7.0 for Windows 2003 Server Gold,
  Windows 2003 Server SP1, Windows 2003 Server SP2, Windows Server
  2008, and Windows Vista(R)

* Microsoft Internet Explorer 8.0 for Windows 2003 Server Gold,
  Windows 2003 Server SP1, Windows 2003 Server SP2, Windows Server
  2008, and Windows Vista(R). IE8 requires JRE version 1.6.14 or later

* Mozilla Firefox 2.0 on SLES 10 SP1

* Mozilla Firefox 3.0 on Windows 2003 Server Gold, Windows 2003
  Server SP1, Windows 2003 Server SP2, Windows 2000 Pro, Windows XP,
  Windows Server 2008, Windows Vista, RHEL 4, RHEL 5, SLES 10,

SLES 11, and SLES 10 SP1

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FIRMWARE VERSIONS
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Recommended firmware versions for CMC and BIOS:

* CMC Firmware: 2.1
* Dell PowerEdge M610 BIOS: 1.2.7
* Dell PowerEdge M710 BIOS: 1.2.7

##########
RELEASE HIGHLIGHTS (FIRMWARE VERSION 2.10)
##########

* Support for IPv6, "IPv6 Ready" logo certified by IPv6 forum
  (Logo ID 02-C-000380).
* Remote RACADM support in firmware
* FlexAddress MAC for iDRAC
* Two-Factor Authentication (Smartcard + PIN using Active Directory)
* Single Sign-On (SSO) using Integrated Windows Authentication (IWA)
* WSMAN
* Enhanced SMASH-CLP features
* Remote Syslog
* Remote File Share
* VLAN tagging via CMC
* Power control features in virtual console viewer (IDRACView)
* Enhanced power management features
* Support for Quadport mezzanine cards
* Support Remote Enablement Auto-Discovery and Operating System
  Deployment

##########
KNOWN ISSUES FOR iDRAC 2.10
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This section provides additional information about known issues with
the iDRAC Firmware version 2.10:

* After a firmware downgrade, the iDRAC configuration needs to be
  reset to default values using "RACADM racresetcfg" or using the
  iDRAC6 Configuration Utility (Ctrl-E) in POST. This is not
  applicable when upgrading iDRAC firmware.

* For Remote Enablement auto-discovery, ensure that you do not
  assign a user ID with spaces on the provisioning server. This is
  because even though this user ID will be successfully downloaded
  and provisioned on iDRAC during the auto-discovery process, the
  account will not be usable as iDRAC rejects any user ID with spaces.

* If you try to install Dell Update Packages (DUPs), Systems Build
  and Update Utility or OpenManage Server Administrator (OMSA) using
  vMedia, the installation fails. This is because when the DUPs
  or Systems Build and Update Utility are run using the vMedia,

these applications will launch the inventory collector. This in turn causes a USB reset, thus disconnecting the vMedia from where the Systems Build and Update is running.To work around this issue, disable the "System Services" using iDRAC6 Configuration Utility (Ctrl-E) in POST, and then use the OM DVD. The "System Services" can be re-enabled after the OM DVD installation is complete.

* If you run DUPs when vFlash is in use, the vFlash is disconnected and reconnected. If a write operation is in progress, this action can corrupt the vFlash contents.

* Reboot the managed system running on VMware ESX 3.x operating system after an iDRAC update is completed. This ensures that the VMware ESX operating system re-enumerates the virtual devices and enables virtual floppy and virtual CD-ROM features of the iDRAC. After the reboot, virtual devices including virtual floppy, work as expected.

* The iDRAC can be updated using the DOS utility when DOS is booted using PXE. However, the new firmware image has to be on a local media on the system for this to work properly. Local media can be a RAMDISK, HD or a USB key on the server. Alternatively, the update of iDRACs on multiple systems has to be sequenced. It should be done one system after the other, with the first system completing update and the second system starting update and on to the third after the second is done, and fourth after the third is done, and so on.

* On systems running Windows operating systems, the Internet Explorer window(s) for any media will not close by themselves if you remove the media. You must close the window(s) after you remove the media.

  On systems running Linux operating systems, the Internet Explorer window(s) for any media will close by themselves if you remove the media.

* iDRAC Linux DUPs do not support VMware ESX 4.0 operating systems. If the Linux DUP for iDRAC is run on VMware ESX 4.0, the DUP will fail.

  You can update iDRAC6 using one of the following methods:

  - CMC GUI-based update

  - iDRAC-GUI-based update

  - SM-CLP-based update

* iDRAC Windows DUPs do not support Windows Server 2008 R2 operating systems. If the Windows DUP for iDRAC6 is run on Windows Server 2008 R2, the DUP will fail.

You can update iDRAC6 using one of the following methods:

- CMC GUI-based update

- iDRAC-GUI-based update

- SM-CLP-based update.

* If you receive the message "A webpage is not responding on the following website" in Internet Explorer 8.0, see:

"http://blogs.msdn.com/ie/archive/2009/05/04 /ie8-in-windows-7-rc-reliability-and-telemetry.aspx"

"http://support.microsoft.com/?kbid=970858"

* In Internet Explorer 7.0, if several tabs are open you launch the iDRAC remote console, all the tabs are hidden while the remote console is open. If the tab warning is turned off and you close the remote console, all the tabs and the browser will close without warning.

To prevent this, go to "Internet Properties" > "Tabs" > "Settings" and select the "Warn me when closing multiple tabs" option.

* Local RACADM support for some of the new features in iDRAC will be available only with the Dell OpenManage version 6.2 release. These features include IPv6, Two-factor authentication, Remote Fileshare, FlexAddress, and Remote Syslog.

* If multiple iDRAC web GUI sessions are launched through CMC single sign-on, "racadm getssninfo" will show information only for the first session.

* To use iVMCLI on Microsoft Windows Vista operating systems, the user requires administrator privileges. If iVMCLI is run on Vista to connect a CD or ISO image without administrator privileges, it appears to be working, but will eventually timeout and ask the user to check network/proxy settings. This same command will work if the 'cmd' prompt is opened with administrator privileges.

* If a vMedia drive is disconnected using the "OS eject" option, then the drive may not be available until the operating system re-enumerates the USB devices. For the operating system to auto-detect the vMedia drive, the iDRAC vMedia device can be reattached by doing the following:

Go to "System" > "Console/media" >"Configuration", select "Set Attach Virtual Media to Detach" and click "Apply". Next, "Set Attach Virtual Media to Attach" and click "Apply".

* The "racresetcfg" command in RACADM restores all properties to
  their default values except "cfgDNSRacName" in the
  "cfgLanNetworking" group.

* The actual time for the "racresetcfg" command within racadm
  to execute may vary depending on the network speed.

* The iDRAC Linux DUP cannot be run on 64-bit RHEL 4 Update 7
  due to known issues in that OS. The same DUP will update the iDRAC
  successfully on 64-bit RHEL 4 Update 8. Refer to RedHat
  KB article http://kbase.redhat.com/faq/docs/DOC-3402 to use the DUP
  on RHEL 4 Update 7.

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August 2009