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Integrated DELL(TM) REMOTE ACCESS CONTROLLER 6 (iDRAC6) Version 1.0

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This document contains updated information about the Integrated Dell Remote Access Controller 6(iDRAC6).

For more information about iDRAC6, including installation and configuration information, see the "Integrated Dell Remote Access Controller 6 (iDRAC6) Version 1.0 User's Guide" and the "Dell OpenManage(TM) Server Administrator User's Guide." These documents are located on the Dell Support site at "support.dell.com\manuals".

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CRITICALITY

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MINIMUM REQUIREMENTS

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The following subsections list operating systems that are compatible with the iDRAC6.

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SUPPORTED SYSTEMS

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

- * Dell PowerEdge R710
- * Dell PowerEdge T610

* Dell PowerEdge R610

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 (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

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

* Red Hat Enterprise Linux 5 U2 (x86_32, x86_64)

* VMware(R) ESX 3.5 U4

* VMware ESXi 3.5 U4 Flash

SUPPORTED WEB BROWSERS

* Microsoft Internet Explorer 6.0 with SP2 for Microsoft Windows(R) XP, Windows 2000 Server, 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)

* 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 & 5, SLES 9 & 10, SLES 10 SP1

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FIRMWARE VERSIONS

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* iDRAC6 Firmware Version: 1.0

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RELEASE HIGHLIGHTS (FIRMWARE VERSION 1.0)

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* Initial release of iDRAC6 firmware.

iDRAC Management Features for the initial release include:

- * IPv6 support
- * Enhanced LCD functionality including configuration and menu
- * Web Services Management (WS-MAN) support
- * Enhanced power management including support for setting power budget thresholds
- * Smart Card authentication support
- * Dynamic Domain Name System (DDNS) registration
- * Remote system management and monitoring using a Web interface, the RACADM command line interface, the SM-CLP command line over a telnet/SSH, and serial connection.
- * Support for Microsoft Active Directory(R) authentication -- Centralizes iDRAC user IDs and passwords in Active Directory using the standard schema or an extended schema.
- * Console Redirection — Provides remote system keyboard, video, and mouse functions.
- * Virtual Media -- Enables a managed server to access a local media drive on the management station or ISO CD/DVD images on a network share.
- * Monitoring -- Provides access to system information and status of components.
- * Access to system logs -- Provides access to the system event log, the iDRAC log, and the last crash screen of the crashed or unresponsive system that is independent of the operating system.
- * Dell OpenManage(TM) integration -- Enables you to launch the iDRAC Web interface from Dell OpenManage Server Administrator or IT Assistant.

- * iDRAC alert -- Alerts you to potential managed node issues through an email message or SNMP trap.
- * Remote power management -- Provides remote power management functions, such as shutdown and reset, from a management console.
- * Intelligent Platform Management Interface (IPMI) 2.0 support.
- * Secure Sockets Layer (SSL) encryption -- Provides secure remote system management through the Web interface.
- * Password-level security management -- Prevents unauthorized access to a remote system.
- * Role-based authority -- Provides assignable permissions for different systems management tasks.

NOTE: iDRAC6 - Enterprise is required to support dedicated NIC, virtual KVM, virtual media, vFlash (with an optional Dell vFlash Media card), and RACADM functionality.

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KNOWN ISSUES FOR iDRAC6 v1.0
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This section provides additional information about known issues with the iDRAC6 Firmware version 1.0.

- * Configuring iDRAC to use Static IP using 'syscfg' utility

Given below is the method to use the syscfg utility to set the iDRAC to use a static IP address. It has to be done in 2 steps.

Step 1: "syscfg lcp --ipaddrsrc=static"

Wait at least 5 seconds. After this time, the change to static IP will be in effect and the next syscfg command will succeed.

Step 2: "syscfg lcp --gateway=(gateway IP) --ipaddress=(valid IP address) --subnetmask=255.255.255.0"

- * Manual OS Installation REQUIREMENT when using 'virtual floppy'

When using vMedia to install an Operating System, the following is required to allow the Installation to complete successfully:

When installing drivers using a floppy disk, ensure the Vfloppy device is set as the first device in the Boot sequence in the System BIOS (F2).

This will allow the Operating System to see the required mass storage device drivers on the floppy to complete the installation.

This way, the drivers in the floppy can be used to install the storage etc drivers and complete the Windows / Other installation.

* Configuring the 'Host Name String' using the iDRAC Configuration Utility

With Server Administrator installed -

Server Administrator takes precedence. Server Administrator sets the 'Host Name String' every time it starts up. Given above, even if 'Host Name String' is set using the iDRAC Configuration Utility, it will be overwritten by Server Administrator when it starts up.

With Server Administrator NOT installed -

The iDRAC Configuration Utility can be used to configure the 'Host Name String'.

* Accessing remote floppy disks and CD-ROMs from (VMWare) VMs

Accessing remote floppy disks and CD-ROMs from (VMWare) VMs is NOT supported.

Only devices directly connected to an ESX server or a floppy or CD-ROM ISO image present in the ESX Service Console can be made accessible to the VM. Avoid this issue by creating an image of the floppy or CD-ROM and copying it to the Service Console.

* Using the VMCLI tool from within a system running Windows Vista

To use VMCLI from within a system running Windows Vista -

The user has to start up the 'cmd' with 'Run as Administrator'. (VMCLI requires the user has 'administrator' privileges when it is used.)

NOTE: The user can log in as a non-admin user, but when using VMCLI, the user has to start 'cmd' with 'Run as Administrator' privilege thereby giving them admin privileges to enable using VMCLI.

* Uploading image from multiple management systems to the virtual flash at the same time has to be avoided in order to prevent image corruption

* The name of the firmware image file for iDRAC6 is firmimg.d6

* If the network cable to iDRAC6 is disconnected and then connected again, iDRAC6 will not negotiate a new IP address until the current lease expires.

- * Remote Racadm and VMCLI utilities is not supported with IPv6 in this release.
- * If iDRAC firmware update is interrupted for any reason, a wait of up to 30 minutes may be required before another firmware update operation is allowed again.
- * The Diagnostic tab on the GUI page is not operational if iDRAC6 - Enterprise card is not installed.
- * Enabling Virtual Flash from iDRAC Configuration Utility will not take effect if the SD card is not formatted.

KNOWN ISSUES FOR DOCUMENTATION
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This section provides additional information about known issues with the iDRAC6 Firmware version 1.0 User's Guide.

None

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March 2009