BIOS

Basic Input / Output System (BIOS) to facilitate the hardware initialization process and transition control to the operating system.

Version 02.02.01
Release Date: September 16, 2013
Previous Version 02.01.03

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 and compatible with other system modules (firmware, BIOS, drivers, and software).

Platform(s) Affected

Dell PowerEdge R415 and R515 servers.

What's New

Intentionally left blank.

Fixes

- Added WS2012 R2 SLP Marker.
- Corrected an intermittent BIOS update error under RHEL 5.9 64-bit OS.

Important Notes

Intentionally left blank.

History of Previous Release Notes

System: Dell PowerEdge R415/R515

Version: 2.1.3

Release Date: 5/14/2013

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* Updated to AMD reference code (OrochiPI) V.5 release package 1.5.0.5.

* Added support for 8GB UDIMM.

System: Dell PowerEdge R415/R515
Version: 2.0.3
Release Date: 04/10/2013
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* Corrected patch for erratum #759 to resolve a potential system stability issue
   affecting AMD Opteron™ 4200 series processors running VMware that was introduced
   in the 2.0.2 BIOS release.

System: Dell PowerEdge R415/R515
Version: 2.0.2
Release Date: 10/22/2012
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* Added AMD Opteron 4300 series processor support.
* Added FibreChannel support for Lifecycle Controller inventory.
* Updated to AMD reference code (OrochiPI) V.5 release package 1.5.0.1.

System: Dell PowerEdge R415/R515
Version: 1.10.0
Release Date: 08/13/2012
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* Added Factory Install support for Windows Server 2012

System: Dell PowerEdge R415/R515
Version: 1.9.3
Release Date: 05/04/2012
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* Added High Performance Computing (HPC) mode support for AMD Opteron 4200 series
   processor.
* Fixed plug and play configuration error: Bus#0A/Dev#03/Func#0: Unknown PCI device.

(no functional impact)

* Updated the embedded 5716 UEFI driver to version 6.2.2.
* Updated the embedded 5716 PXE/iSCSI option ROM to version 7.2.3.
* Updated to AMD OrochiPI V.5 release package 1.2.0.4.

System: Dell PowerEdge R415/R515
Version: 1.8.6
Release Date: 12/07/2011
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* Added support for AMD Opteron 4200 series processor.
* Added support for CC6 low power sleep state with reduced power leakage.
* Added support for Core Performance Boost.
* Added early video display to show early POST progress.
* Added support for 32GB DIMM.
* Added support for TPM TCG Memory Override Request (MOR) UEFI.
* Updated to AMD OrochiPI V.5 release package 1.1.9.0 and included 1.0.0.1 changes.
* Updated UEFI OHCI driver.
* Improved memory error recovery to isolate faulty DIMMs during early POST.
* Limited maximum available memory up to 1 Terabyte (no HyperTransport hole hoisting).
* Fixed ¡§system fatal error¡¨ after enabling DMA virtualization.
* Fixed memory size reduced error after enabling the redundant memory.
* Fixed Embedded video controller could not be disabled error.
* Fixed no video display under OS if a video card is installed in any CPU2 I/O slots.
* Fixed UEFI Boot Manager multiple 'EFI Fixed Disk boot device¡¦ string display.
* Disabled ASPM on all PCIe ports

System: Dell PowerEdge R415/R515
Version: 1.2.5
Release Date: 3/16/2011
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* Added support for Dell Lifecycle Controller version 1.5.
* Updated to AGESA MARG34PI release 1.1.0.6.
* Fixed issue with System not shutting down properly if D0 stepping CPU is installed.
* Fixed issue with BIOS not sending the second CPU DIMM information to BMC.

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System: Dell PowerEdge R415/R515

Version: 1.1.0

Release Date: 10/07/2010

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* Added 16GB DIMM into BIOS DIMM configuration table.

* Fixed issue with OMSA not showing the correct TCM state.

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System: Dell PowerEdge R415/R515

Version: 1.0.1

Release Date: 08/18/2010

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This release is the first customer release.

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