BIOS Version 2.2.3 for Dell PowerEdge Servers: R330XL and R230XL

Release Notes

Release Notes

BIOS

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

Current Version

2.2.3

Release Date

September 26, 2017

Previous Version

2.0.8

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 R330XL and R230XL servers.

What's New

- Updated the Intel processor and Memory Reference Codes to production version 4.1.0.6.
- Updated the microcode of the following Intel processors to version 0x5E:
    - o Intel Xeon Processor E3-1200 v6 Product

    Family o   Intel Core Processor i3-7000 Product

    Family o   Intel Pentium Processor G4600

    Product Family o   Intel Celeron Processor

    G3930 Product Family
- Updated the microcode of the following Intel processors to version 0xBA:
    - o Intel Xeon Processor E3-1200 v5 Product

    Family o   Intel Core Processor i3-6000 Product

    Family o   Intel Pentium Processor G4400 or

    G4500 Product Family o   Intel Celeron

    Processor G3900 Product Family
- Updated the PERC S130 option ROM (OPROM) and Unified Extensible Firmware Interface (UEFI) drivers to version 4.3.0
- Added support for the Credential Guard requirements on Windows 2016.

- Updated the Intel Server Platform Services (SPS) and Manageability Engine (ME) firmware to production release SPS_E3_04.01.03.22.
- Added support for the system running with Intel Core i3-7100 Processor.

Fixes

- When using the AH, BH, CH, and DH registers, the short loops may cause unexpected system behavior.

- The Platform Owner (PO) index value 0x1400001 of Intel Trusted Execution Technology (TXT) is not saved in the nonvolatile (NV) memory during the next server reboot.

Important notes

You cannot update the BIOS to 1.4.5 or earlier versions when the following processors are installed on the server: Intel Xeon E31200 v6, Core i3-7100, Pentium G4600, and Celeron G3930.

History of previous Release Notes

Current Version
2.0.8

Release Date
January 2017

What's New

- Updated the Intel processor and Memory Reference Codes to production version 4.1.0.1.

- Updated the microcode of the following Intel processors to version 0x48:

    o   Intel Xeon Processor E3-1200 v6 Product Family

    o   Intel Pentium Processor G4600 Product Family o

    Intel Celeron Processor G3930 Product Family

- Updated the microcode of the following Intel processors to version 0xA0:

    o   Intel Xeon Processor E3-1200 v5 Product Family

    o   Intel Core Processor i3-6000 Product Family

    o   Intel Pentium Processor G4400 or G4500

    Product Family o   Intel Celeron Processor

    G3900 Product Family

- Updated the Intel Server Platform Services (SPS) and Manageability Engine (ME) firmware to production release SPS_E3_04.01.03.21.

- Added support for the system running with 2400MHz Dual Inline Memory Modules (DIMMs).

- Added support for displaying video from the external graphic card.

- Enhanced reliability support for the system memory test.

Fixes

After the server is turned on, the server may stop responding when the "Loading BIOS Drivers" message is displayed during the boot process.