BIOS Version 2.8.0 for Dell EMC PowerEdge R620 Servers
Release Notes
Release Notes

BIOS
Basic Input / Output System (BIOS) facilitates the hardware initialization process and transitions control to the Operating System (OS).

Current version
2.8.0

Release date
June 2019

Previous version
2.7.0

Release summary
Enhancement to address the security vulnerabilities (Common Vulnerabilities and Exposures—CVE) such as CVE-2018-12126, CVE-2018-12127, CVE-2018-12130, and CVE-2019-11091. For more information about specific items added and resolved in this BIOS version, see the Fixes and New and enhanced features sections.

Priority and recommendations
Recommended—Dell EMC 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).

Supported devices and platforms
The PowerEdge R620 servers.

Fixes
None for this release.

New and enhanced features
• Enhancement to address the security vulnerabilities (Common Vulnerabilities and Exposures—CVE) such as CVE-2018-12126, CVE-2018-12127, CVE-2018-12130, and CVE-2019-11091.
• Updated the Intel Xeon Processor E5-2600 v2 Product Family Processor Microcode to version 0x42E.
• Updated the Intel Xeon Processor E5-2600 Product Family Processor (C-1 Stepping) Microcode to version 0x61F.
• Updated the Intel Xeon Processor E5-2600 Product Family Processor (C-2 Stepping) Microcode to version 0x718.

Known issues
None for this release.

Important notes
None for this release.
Features and fixes in previous releases

Version: 2.7.0
Release Date
May 2018

What’s new

- Updated the Intel Xeon Processor E5-2600 v2 Product Family Processor Microcode to version 0x42D.
- Updated the Intel Xeon Processor E5-2600 Product Family Processor (C-1 Stepping) Microcode to version 0x61D.
- Updated the Intel Xeon Processor E5-2600 Product Family Processor (C-2 Stepping) Microcode to version 0x714.

Fixes
None for this release.

Version: 2.6.1
Release Date
February 2018

What’s new

- Updated the Intel Xeon Processor Microcode to address CVE-2017-5715 (http://www.cve.mitre.org/cgi-bin/cvename.cgi?name=2017-5715).
- Updated the Intel Xeon Processor E5-2600 v2 Product Family Processor Microcode to version 0x42C.
- Updated the Intel Xeon Processor E5-2600 Product Family Processor (C-1 Stepping) Microcode to version 0x61C.
- Updated the Intel Xeon Processor E5-2600 Product Family Processor (C-2 Stepping) Microcode to version 0x713.
- CVE-2017-5753 and CVE-2017-5754 are addressed by Operating System & Hypervisor updates. For more information, visit http://www.dell.com/support/article/SLN308588.

Fixes
Removed the unnecessary Serial Peripheral Interface (SPI) Opcodes.

Installation instructions

1. Go to www.dell.com/support.
2. In the Enter a Service Tag, Serial Number box, type the product name. For example, PowerEdge R830.
3. Select your product from the list that is displayed.
4. Click Drivers & downloads.
5. From the Category drop-down menu, select BIOS.
6. In the Name column, expand the hyperlinked BIOS title.
   a. To view information about earlier versions, click Older versions.
7. To view information about compatible systems and installation instructions, click View full driver details.
8. On the Driver Details page, scroll down and expand Installation instructions.
   Instructions about downloading and installing Update Packages by using methods such as DRMK, EFI, Linux, and Windows is displayed.
9. Follow the relevant instructions to update the BIOS.

Additional resources and support

Access documents using direct links

You can directly access the documents by using the following links:

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<tr>
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<td>The Dell EMC support site</td>
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<tr>
<td><a href="http://www.dell.com/poweredgemanuals">www.dell.com/poweredgemanuals</a></td>
<td>The Dell EMC PowerEdge server documentation</td>
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<td><a href="http://www.dell.com/idracmanuals">www.dell.com/idracmanuals</a></td>
<td>The iDRAC and Lifecycle Controller documentation</td>
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Access documents using product search

You can also access documents by searching for your product.

1. Go to www.dell.com/support.
2. In the Enter a Service Tag, Serial Number... search box, type the product name. For example, PowerEdge R830.
3. Select your product from the list that is displayed.
4. Click Manuals & documents.

Contact Dell EMC

Dell EMC provides several online and telephone-based support and service options. Availability varies by country/region and product, and some services may not be available in your area. To contact Dell EMC for sales, technical support, or customer service issues, go to www.dell.com/contactdell.

If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or the product catalog.