

**BIOS Version 1.2.11 for  
Dell EMC PowerEdge  
Servers: R740, R740XD,  
R640, and R940.**

**And for Dell Precision  
7920 Rack workstation**

**Release Notes**



# Release Notes

## BIOS

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

### Current Version

1.2.11

### Release Date

October 2017

### Previous Version

1.1.7

## Importance

**URGENT:** Dell EMC highly recommends applying this update as soon as possible. The update contains changes to improve the reliability and availability of your Dell system.

## Platform(s) affected

The PowerEdge R740, R740XD, R640, and R940 servers. Also, for the Precision 7920 Rack workstation.

## What's New

- Added support for updating the NVDIMM-N firmware version.
- Updated the Intel Trusted Execution Technology (Intel TXT) BIOS Authenticated Code Module (ACM) to version 1.3.3.
- Updated the Intel Processor and Memory Reference Code to PLR2.
- Updated the Intel Xeon Processor Scalable Family Processor Microcode to version 0x2C.
- In the Performance System Profile, the default attribute of C-States is changed to Disabled.

## Fixes

- Mitigated the security vulnerability CVE-2017-5706 (<http://www.cve.mitre.org/cgi-bin/cvename.cgi?name=2017-5706>) details anticipated to be published November 20, 2017.
- Mitigated the security vulnerability CVE-2017-5709 (<http://www.cve.mitre.org/cgi-bin/cvename.cgi?name=2017-5709>) details anticipated to be published November 20, 2017.

## Important notes

This release provides continued code optimization to improve stability and performance.

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# History of previous Release Notes

## Version

1.1.7

## Release Date

August 2017

## What's New

- Added a message to indicate that the PCIe link is broken and unable to train.
- Enabled the PCIe ECRC (End to End Cyclic redundancy check) error reporting
- Added NVDIMM-N improvements for Address Range Scrubbing.
- Updated the Intel Trusted Execution Technology (Intel TXT) BIOS and SINIT Authenticated Code Module (ACM) to version 1.3.2.
- Updated the Intel Processor and Memory Reference Code to PLR1.
- Updated the Intel Xeon Processor Scalable Family Processor Microcode to version 0x2B.
- Added the POST-stage error message when installed DIMMs are mapped out.

## Fixes

- A CPU core is not available when the 8-core CPUs are used.
  - Persistent NIC naming is incorrect when certain NDC is installed.
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## Version

1.0.7

## Release Date

July 2017

## What's New

Updated the ProcessorM to version 0x26.

## Fixes

None for this release.

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