



AMD Opteron 4100, 4200, 4300, 6100, 6200, and 6300 Series Processors Core Enumeration—Information Update

The core enumeration order on AMD Opteron 4100, 4200, 4300, 6100, 6200, and 6300 series processors has changed from the following BIOS versions onwards.


BIOS Version	Dell PowerEdge System
v1.9.3	R415, R515
v2.8.2	R815, R715
v2.10.2	M915

With this latest BIOS update, the new core enumeration order follows a different sequence. It enumerates all the cores on the first processor and then enumerates all the cores on the next processor and so on.

For example, in a system installed with two 8-core 6200 series processors with all cores enabled in the BIOS, the processor core enumeration order is as follows:

- 1 Processor 0: Cores 1, 2, 3, 4, 5, 6, 7, 8
- 2 Processor 1: Cores 9, 10, 11, 12, 13, 14, 15, 16

The new processor core enumeration order is designed to facilitate better power management and can be enabled by upgrading to the latest BIOS version for your system from support.dell.com.

 **NOTE:** Do not replace hardware. This is working as designed.

© 2012 Dell Inc.

Trademarks used in this text: Dell™, the DELL logo, and PowerEdge™ are trademarks of Dell Inc. AMD® is a registered trademark and AMD Opteron™ is a trademark of Advanced Micro Devices.