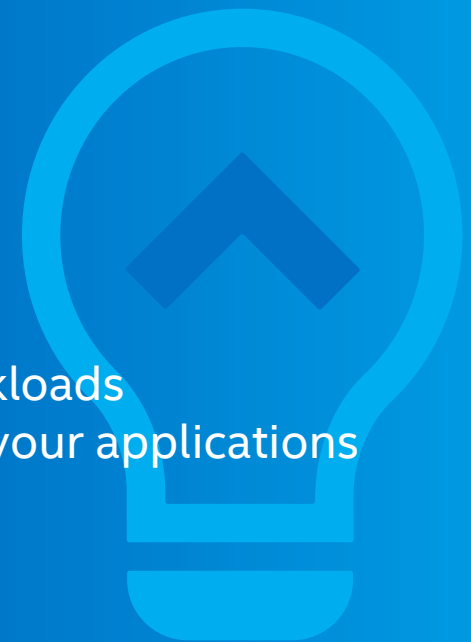


# FIVE REASONS ALL SERVERS ARE NOT ALIKE

Why you want a real server with an Intel® Xeon® processor instead of a PC to power your first server and your business.

## 1 PERFORMANCE

Outstanding and predictable performance across all workloads  
Up to 1.57x faster<sup>1</sup> than a 4-year old PC to accelerate all your applications



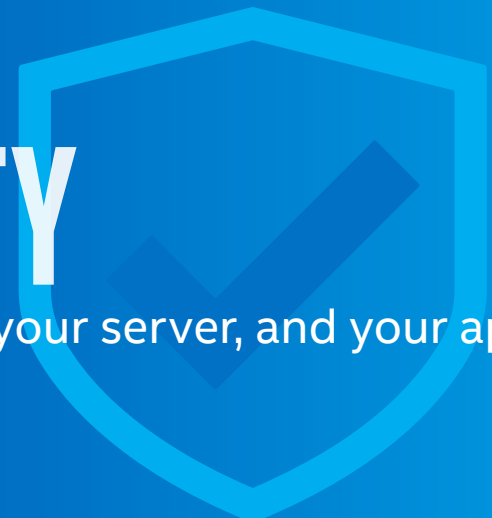
## 2 PROVEN INNOVATION

Designed from the ground up to run a wide variety of server workloads



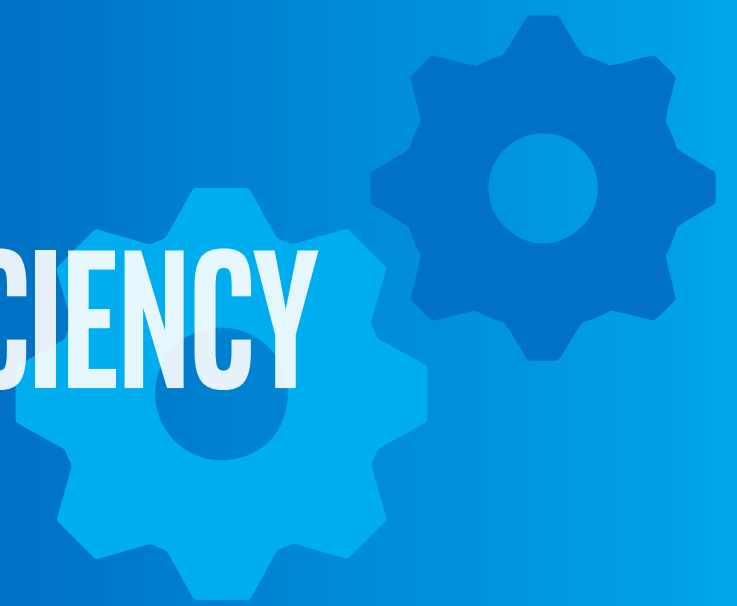
## 3 WORLD CLASS SECURITY

Unique features that help better protect your data, your server, and your applications



## 4 IMPROVED POWER EFFICIENCY

16% power improvement<sup>1</sup> over a 4-year old PC

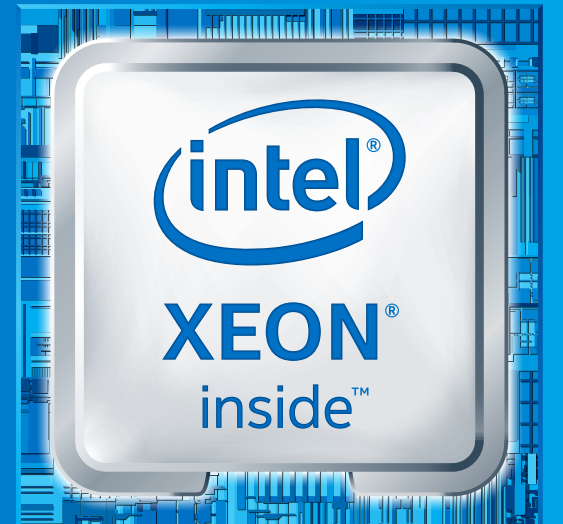


## 5 WORLD'S LARGEST ECOSYSTEM

Ensures innovation and support from major software and hardware vendors



# FUTURE-PROOF YOUR BUSINESS WITH INTEL® XEON® PROCESSORS



Benchmark (or estimated) results were obtained prior to implementation of recent software patches and firmware updates intended to address exploits referred to as "Spectre" and "Meltdown". Implementation of these updates may make these results inapplicable to your device or system.

Software and workloads used in performance tests may have been optimized for performance only on Intel® microprocessors. Performance tests, such as SYSmark\* and MobileMark\*, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more information go to <http://www.intel.com/performance>.

Intel does not control or audit the design or implementation of third party benchmark data or websites referenced in this document. Intel encourages all of its customers to visit the referenced websites or others where similar performance benchmark data are reported and confirm whether the referenced benchmark data are accurate and reflect performance of systems available for purchase.

<sup>1</sup> 166 SPECint\_rate\_base2006 TCP=84W on i5-4670, 262 Estimated SPECint\_rate\_base2006 TCP=72W on E3-1280 v6. (84W-76W)/84W= 16% improvement.

1-Node, 1 x Intel® Core™ i5-4670 processor with 8 GB (2 x 4 GB 2Rx4 PC3-12800U-11) total memory on Microsoft® Windows® 8.1 Pro, 6.3.9600 N/A Build 9600 using C/C++: Version 14.0.1.139 of Intel C++ Studio XE, for Windows. Libraries: Version 16.00.30319.01 of Microsoft, Visual Studio 2010 Professional 5P1. Data Source: <http://www.spec.org/cpu2006/results/res2014q3/cpu2006-20140715-30456.html>. Benchmark: SPECint\*\_rate\_base2006, Score: 166 higher is better.

1-Node, 1 x Intel® Xeon® E3-1280v6 processor with 32 GB (4 x 8 GB DDR4 ECC UDIMM 2400MT/s) total memory on CentOS 7.1.1503 (Core) Kernel 3.10.0-229.14.1.el7.x86\_64 using Compiler: Version 16.0 of Intel C++ Studio XE, for Linux: Data Source: Intel TR: 2449, Benchmark: SPECint\*\_rate\_base2006, Score: 262 higher is better.

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