Increase Virtual Machine Density up to 4X\textsuperscript{1,2}

Intel\textsuperscript{®} Xeon\textsuperscript{®} processor E5-2600 v2 product family-based solutions will optimize your data center by increasing Virtual Machine (VM) density by 4X over a typical four-year old server.

Additionally, Intel Xeon processor E5 v2 family-based solutions help you to:

- Achieve higher resource utilization across processor, memory, storage, and I/O.
- Rapidly provision VMs for improved agility and scalability of your infrastructure.
- Consolidate more applications to higher performing servers to optimize space, power, cooling, and maintenance costs.
- Meet service level agreements (SLAs) with fail-over and recovery solutions.
- Improve configuration flexibility for load balancing, peak workload management, test and development, and system maintenance.

Boost your virtual machine density at www.intel.com/datacenteroptimization

\textsuperscript{1} Software and workloads used in performance tests may have been optimized for performance only on Intel\textregistered; 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.

\textsuperscript{2} Baseline Configuration and Score on SPECint\textsuperscript{®}rate_base2006 Benchmark: Supermicro\textsuperscript{®} X8DTN platform with two Intel\textsuperscript{®} Xeon\textsuperscript{®} Processor X5570 (2.93GHz, 4-core, 8MB L3 cache, 6.4GT/s, 95W, B0-stepping), Virtualization Technology Enabled, Turbo Enabled, HT Enabled, NUMA Enabled, MLC Spatial Prefetcher Enabled, DCU Data Line Prefetcher Enabled, 256GB memory (16x 16GB DDR3-1333 DR REG ECC), ESXi 4.1 (build 502767).
Source: Intel TR#1319 as of 21 August 2013. Score: 530 @ 30 VMs.

New Configuration and Score on SPECvirt_2010\textsuperscript{*} Benchmark: Intel\textsuperscript{®} Server Board S2600CP platform with two Intel\textsuperscript{®} Xeon\textsuperscript{®} Processor E5-2697 v2 (2.7GHz, 12-core, 30MB L3 cache, 8.0GT/s, 130W, C0-stepping), Virtualization Technology Enabled, Turbo Enabled, HT Enabled, NUMA Enabled, MLC Spatial Prefetcher Enabled, DCU Data Line Prefetcher Enabled, 256GB memory (16x 16GB DDR3-1600 DR REG ECC), 128GB SATA SSD, ESXi 5.1 (build 799733). Source: Intel TR#1359 as of 24 July 2013. Score: 2246 @ 144VMs.

All dates and products specified are for planning purposes only and are subject to change without notice.

Relative performance for each benchmark is calculated by taking the actual benchmark result for the first platform tested and assigning it a value of 1.0 as a baseline. Relative performance for the remaining platforms tested was calculated by dividing the actual benchmark result for the baseline platform into each of the specific benchmark results of each of the other platforms and assigning them a relative performance number that correlates with the performance improvements made. Information in this document is provided in connection with Intel products. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Intel's Terms and Conditions of Sale for such products, Intel assumes no liability whatsoever, and Intel disclaims any express or implied warranty, relating to sale and/or use of Intel products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Intel products are not intended for use in medical, lifesaving, or life sustaining applications. Intel may make changes to specifications and product descriptions at any time, without notice.

All rights reserved. Intel, the Intel logo, Look Inside, the Look Inside logo, Xeon, and Xeon Inside are trademarks of Intel Corporation in the U.S. and other countries.

Copyright \textsuperscript{*} 2013 Intel Corporation.

* Other names and brands may be claimed as the property of others.