

IBM posts SPECpower_ssj2008 score for IBM System x3650 M4

IBM System x3650 M4 demonstrates performance and power efficiency

September 10, 2013 ... IBM® today announces a SPECpower® benchmark result for the IBM System x3650 M4 server. Demonstrating exceptional performance per watt, the x3650 M4 server achieved the following performance to power ratio on the SPECpower_ssj™2008 benchmark:

- 7,058 overall ssj_ops/watt

Using the new Intel® Xeon® Processor E5-2660 v2, the x3650 M4 has demonstrated that it can deliver outstanding performance and reduce energy consumption. Compared to its previous-generation 2-processor score of 5,054 overall ssj_ops/watt, the x3650 M4's new score represents a power-efficiency improvement of 39.7%. (1)

The x3650 M4 was configured with the Intel Xeon Processor E5-2660 v2 (2.2 GHz, 25 MB L3 cache per processor—20 cores/2 chips/10 cores per chip) and 64 GB of PC3L-12800E (8 x 8 GB) memory and ran IBM J9 Java™7 Runtime Environment and Microsoft® Windows® Server 2012 Datacenter x64 Edition. (2)

The IBM System x3650 M4 is a flagship, two-socket, 2U rack server, designed for maximum performance and uptime for business-critical applications and cloud deployments. The x3650 M4 features an energy-smart design with powerful high-performance Intel Xeon processors up to 12 cores each, a large capacity of high-performing memory, innovative storage and connectivity options, and superior management features. Up to any IT challenge, the versatile x3650 M4 blends the ultimate in performance, uptime, and I/O flexibility with rock-solid reliability.

Result referenced is current as of September 10, 2013, and has been submitted to SPEC® for review. Upon successful review, the result will be posted at www.spec.org. View all published results at http://www.spec.org/power_ssj2008/results/power_ssj2008.html.

(1) The x3650 M4 was configured with the Intel Xeon Processor E5-2660 (2.2 GHz, 256 KB L2 cache per core, 20 MB L3 cache per processor—16 cores/2 chips/8 cores per chip) and 24 GB of PC3L-10600E (6 x 4 GB) memory and ran IBM J9 Java 7 Runtime Environment and Microsoft Windows Server 2008 R2 Enterprise x64 Edition Service Pack 1. The score was published October 31, 2012.

(2) The x3650 M4 model using the Intel Xeon Processor E5-2660 v2 is planned to be generally available October 11, 2013. The x3650 M4 as configured for this benchmark will be available December 9, 2013.

IBM and System x are registered trademarks of IBM Corporation.

Intel and Xeon are trademarks or registered trademarks of Intel Corporation.

Java and all Java-based trademarks are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States, other countries, or both.

SPEC, SPECpower and SPECpower_ssj are registered trademarks of the Standard Performance Evaluation Corporation (see <http://www.spec.org/spec/trademarks.html> for all SPEC trademarks and service marks).

All other company/product names and service marks may be trademarks or registered trademarks of their respective companies.