

IBM posts SPECpower_ssj2008 score for x3650 M3

x3650 M3 demonstrates excellent performance and power efficiency

April 25, 2011 ... IBM® today announces a SPECpower® benchmark result for the IBM System x® 3650 M3 server. Demonstrating exceptional performance per watt, the x3650 M3 server achieved a Performance to Power Ratio of 3,152 overall ssj_ops/watt on the SPECpower_ssj®2008 benchmark.

Using the new Intel® Xeon® Processor X5675, the x3650 M3 has demonstrated that it can deliver outstanding performance and reduce energy consumption. Compared to its previous-generation 2-processor score of 2,927 overall ssj_ops/watt, the x3650 M3's new score represents a power-efficiency improvement of more than 7%. (1)

The x3650 M3 was configured with the Intel Xeon Processor X5675 (3.06GHz, 256KB L2 cache per core, 12MB L3 cache per processor—12 cores/2 chips/6 cores per chip) and 12GB of PC3L-10600R (6 x 2GB) memory and ran IBM J9 Java™6 Runtime Environment and Microsoft® Windows® Server 2008 R2 Enterprise x64 Edition. (2)

The IBM System x3650 M3 servers are 2-socket, 2U rack systems that feature power-optimized, high performance with the latest Intel Xeon multi-core processor technology with QuickPath Interconnect (QPI), a large capacity of high-performing DDR3 memory, and a leadership, energy-efficient design with integrated advanced functionality. The x3650 M3 is designed to deliver leadership virtualization and systems management for business-critical workloads.

Result referenced is current as of April 25, 2011, 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) IBM System x3650 M3 configured with the Intel Xeon Processor X5670 (2.93GHz, 256KB L2 cache per core, 12MB L3 cache per processor—12 cores/2 chips/6 cores per chip), 12GB of memory, IBM J9 Java™6 Runtime Environment, and Microsoft® Windows® Server 2008 R2 Enterprise x64 Edition. The score was published March 16, 2010.

(2) The x3650 M3 as configured for this benchmark is generally available.

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