IBM posts SPECpower_ssj2008 score for System x3550 M4

IBM System x3550 M4 demonstrates an improvement of 50.7% in power efficiency over previous-generation 2-processor score

August 21, 2012 ... IBM® today announces a SPECpower® benchmark result for the IBM System x3550 M4 server. Demonstrating exceptional performance per watt, the x3550 M4 server achieved a Performance to Power Ratio of 4,662 overall ssj_ops/watt on the SPECpower_ssj®2008 benchmark.

Using the new Intel® Xeon® Processor E5-2660, the x3550 M4 has demonstrated that it can deliver outstanding performance and reduce energy consumption. Compared to its previous-generation 2-processor score of 3,093, the x3550 M4's new score represents a power-efficiency improvement of 50.7%. (1)

The x3550 M4 was configured with the Intel Xeon Processor E5-2660 (2.2GHz, 20MB L3 cache per processor—16 cores/2 chips/8 cores per chip) and 16GB memory and ran IBM J9 Java™7 Runtime Environment and Microsoft® Windows® Server 2008 R2 Enterprise Edition Service Pack 1. (2)

The IBM System x3550 M4 is a two-socket, 1U rack server designed for client solutions that need high density, performance, reliability and management. The dense x3550 M4 features the following:

- Intel Xeon processors with up to 8 cores and up to 768GB of memory capacity for virtualization and other memory-intensive solutions.
- Optional slotless 10GbE NIC with IBM Virtual Fabric that delivers high performance for bandwidth-heavy workloads.
- Flexible, pay-as-you-grow design for reduced cost.

Result referenced is current as of August 7, 2012, and has been submitted to SPEC® for review. Upon successful review, the result will be posted at http://www.spec.org. View all published results at http://www.spec.org/power_ssj2008/results/power_ssj2008.html.

(1)The x3550 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 16GB memory, IBM J9 Java 6 Runtime Environment, and Microsoft Windows Server 2008 R2 Enterprise Edition. The score was published April 25, 2011.

(1) The x3550 M4 model using the Intel Xeon Processor E5-2660 is planned to be generally available at announce. The x3550 M4 as configured for this benchmark will be available September 19, 2012.