

IBM posts excellent performance for a 2-socket x86-64 server on SPECjbb2005 benchmark

x3500 M2 delivers leadership results for a 2-socket tower server

May 19, 2009 ... IBM® has published SPECjbb2005® benchmark results for the IBM System x® 3500 M2 server, a 2-socket tower system that incorporates the latest Quad-Core Intel® Xeon® 5500 series processor technology.

The x3500 M2, using IBM J9 Java™6 Runtime Environment, achieved a score of 604,397 SPECjbb2005 business operations per second (SPECjbb2005 bops) and 151,099 SPECjbb2005 bops/JVM, running SPECjbb2005 (Java Business Benchmark), the SPEC® benchmark used for evaluating the performance of servers running typical Java applications.

The x3500 M2's outstanding 2-processor results are second only to the IBM BladeCenter® HS22, which achieved a score of 604,417 SPECjbb2005 bops and 151,104 SPECjbb2005 bops/JVM. (1)

The x3500 M2 was configured with the Quad-Core Intel® Xeon® Processor X5570 (2.93GHz with 256KB L2 cache per core and 8MB L3 cache per processor—2 chips/8 cores/4 cores per chip), 12GB of memory, one 73GB disk drive, and IBM J9 Java 6 (using a 1675MB heap), and Microsoft® Windows® Server 2008 Enterprise x64 Edition. (2)

The new x3500 M2 servers are self-contained, high-performance, 5U tower (or optional rack-mounted) systems designed for Web and business server applications in remote or distributed environments. These 2-socket servers are highly scalable in configuration, performance, and availability.

Results referenced are current as of May 19, 2009. The SPECjbb2005 results have been submitted to SPEC® for review. Upon successful review, the result will be posted at www.spec.org. View current SPECjbb2005 results at <http://www.spec.org/jbb2005/results>.

(1) The HS22 was configured with the Quad-Core Intel Xeon Processor X5570 (2.93GHz with 256KB L2 cache per core and 8MB L3 cache per processor—2 chips/8 cores/4 cores per chip), 24GB of memory, one 31GB disk drive, and IBM J9 Java 6 (using a 1875MB heap), and Microsoft Windows Server 2008 Enterprise x64 Edition.

(2) The x3500 M2 using the Quad-Core Intel Xeon Processor X5570 is planned to be generally available June 15, 2009.

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