

IBM posts score for single-socket x3100 M4 server on SPECjbb2005 benchmark

x3100 M4 delivers competitive one-processor performance for Java-based applications

September 13, 2011 ... IBM® has published SPECjbb®2005 benchmark results for the IBM System x® 3100 M4 server, a single-socket system that incorporates Intel's latest quad-core processor technology, the Intel® Xeon® E3-1200 series. The x3100 M4's score is competitive for a single-socket x86-64 server.

The x3100 M4, using IBM J9 Java® 6 Runtime Environment, achieved a score of 387,128 SPECjbb2005 business operations per second (SPECjbb2005 bops) and 193,564 SPECjbb2005 bops/JVM, running SPECjbb2005 (Java Business Benchmark), the SPEC® benchmark used for evaluating the performance of servers running typical Java applications.

The x3100 M4 was configured with the Intel Xeon Processor E3-1280 (3.5GHz with 8MB L3 cache—1 chip/4 cores/4 cores per chip), 16GB of memory, one 250GB disk drive, and IBM J9 Java 6 (using a 1875MB heap), and Microsoft® Windows® Server 2008 R2 Enterprise x64 SP1 Edition. (1)

The IBM System x3100 M4 is a single-socket tower server that uses the latest dual-core and quad-core Intel Xeon processor technology, the Intel Xeon E3-1200 series and Intel Core i3-2100 series, which are optimized for EM64T to support 32-bit or 64-bit applications. Competitively priced in a compact tower, the x3100 M4 is designed for small businesses and first-time server buyers looking for a solution to improve business efficiency.

Results referenced are current as of September 13, 2011. The SPECjbb2005 results have been submitted to SPEC for review. Upon successful review, the result will be posted at <http://www.spec.org>. View current SPECjbb2005 results at <http://www.spec.org/jbb2005/results>.

(1) The x3100 M4 is planned to be generally available October 28, 2011.

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