IBM posts score for single-socket x3250 M4 server on SPECjbb2005 benchmark

x3250 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® 3250 M4 server, a single-socket system that incorporates the Intel® Xeon® E3-1280 processor. The x3250 M4's score is competitive for a single-socket x86-64 server.

The x3250 M4, using IBM J9 Java® 6 Runtime Environment, achieved a score of 388,812 SPECjbb2005 business operations per second (SPECjbb2005 bops) and 194406 SPECjbb2005 bops/JVM, running SPECjbb2005 (Java Business Benchmark), the SPEC® benchmark used for evaluating the performance of servers running typical Java applications.

The x3250 M4 was configured with the Intel Xeon E3-1280 processor (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 SP1 x64 Edition. (1)

The IBM System x3250 M4 is a 1U, single-socket, rack-optimized server that uses the latest dual-core and quad-core Intel processor technology, Intel Xeon E3-1200 series and Intel Core i3-2100 series, which are optimized for EM64T to support 32-bit or 64-bit applications. The x3250 M4 provides next-generation performance in an innovative and compact design with flexible configuration options, built-in security and systems management capabilities. Cost-effective and compact, the x3250 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 x3250 M4 is planned to be generally available October 28, 2011.