IBM posts leadership score for a 2-socket x86 server on SPECjbb2005 benchmark

x3650 delivers top score for a 2-socket x86 server on SPECjbb2005

September 9, 2008 ... IBM® has published SPECjbb2005® benchmark results for the IBM System x™ 3650 server, a 2-socket system that incorporates Quad-Core Intel® Xeon® Processor technology. The x3650 achieved the best results ever published for a 2-socket x86 server.

The x3650, using IBM Java™6 Runtime Environment, achieved a score of 330,605 SPECjbb2005 business operations per second (SPECjbb2005 bops) and 82,651 SPECjbb2005 bops/JVM, running SPECjbb2005 (Java Business Benchmark), SPEC's benchmark for evaluating the performance of servers running typical Java applications.

The x3650 was configured with the Quad-Core Intel® Xeon® Processor X5470 at 3.33GHz with 12MB L2 cache (2 chips/8 cores/4 cores per chip), 32GB of memory, one 36.4GB disk drive, and IBM Java 6 (using a 1.5GB heap), and Microsoft® Windows® Server 2003 R2 Enterprise x64 Edition SP1. (1)

With a compact 2U footprint, the rack-optimized x3650 server helps save valuable rack space and resources. It is packed with highly integrated, advanced server features designed for compute-intensive, Web-based, security, or enterprise network applications, where space is a primary consideration. For constrained data center environments, the x3650 offers unprecedented performance and reliability. Optimized for up to eight-core processor performance, the x3650 delivers dual-core or quad-core computing power, an impressive 12 DIMM memory design and super-efficient network communication.

Results referenced are current as of September 9, 2008. The SPECjbb2005 results have been submitted to SPEC® for review. Upon successful review, the result will be posted at www.spec.org. Current SPECjbb2005 results can be found at www.spec.org/jbb2005/results.

(1) The x3650 with the Intel Xeon Processor X5470 is planned to be generally available November 7, 2008.