

IBM sets world record for 4-processor performance on TPC-C benchmark

March 7, 2006 ... IBM® continues to deliver leadership performance in the high-end Intel® Xeon® processor-based server market. The IBM eServer™ xSeries® 460 server, using the Dual-Core Intel Xeon Processor 7040 3.00GHz with 2MB L2 cache per core, and 64-bit IBM DB2® have delivered record-setting, 4-processor performance on the industry-standard TPC-C benchmark.

The x460 server and DB2 achieved 273,520 tpmC, raising the bar for 4-processor performance on the TPC-C online transaction processing benchmark. (1) This result demonstrates the benefits of a unified IBM 64-bit hardware/software solution for enterprise OLTP applications.

The x460 server's TPC-C benchmark performance result is 15 percent higher than the 236,054 tpmC result achieved by the HP ProLiant DL585-G1. The ProLiant DL585 used the dual-core AMD Opteron 2.4GHz processor with 1MB L2 cache per core (4 processors/8 cores/8 threads), 128GB of memory, and ran DB2 UDB 8.2 and Microsoft® Windows® Server 2003 Enterprise x64 Edition with SP1. (2)

For this benchmark, the x460 server used the Dual-Core Intel Xeon Processor 7040 3.00GHz with 2MB L2 cache per core (4 processors/8 cores/16 threads), 128GB of memory, and ran DB2 UDB 8.2 (64-bit) and Microsoft Windows Server 2003 Enterprise x64 Edition with SP1.

Results referenced are current as of March 7, 2006. To view all TPC results, visit www.tpc.org.

(1) x460 with Intel Xeon Processor 7040 3.00GHz (4 processors/8 cores/16 threads), 273,520 tpmC, \$4.66/tpmC, availability of May 1, 2006.

(2) HP ProLiant DL585 with AMD Opteron 2.4GHz processor (4 processors/8 cores/8 threads): 236,054 tpmC, \$2.02/tpmC, availability of December 5, 2005.

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