

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

October 31, 2005 ... IBM® continues to deliver leadership performance in the high-end Intel® Xeon® processor-based server market. The IBM eServer™ xSeries® 366 server, using the new Dual-Core Intel Xeon Processor 7040 3.00GHz with 2MB L2 cache per core, and 64-bit IBM DB2® UDB 8.2 have delivered record-breaking, 4-processor performance on the industry-standard TPC-C benchmark.

The x366 server and DB2 UDB achieved 221,017 tpmC, raising the bar for 4-processor system performance on the TPC-C online transaction processing benchmark. (1) This result, achieved by the winning combination of the x366 and DB2 UDB, demonstrates the benefits of a unified IBM 64-bit hardware/software solution for enterprise OLTP applications. The dual-core x366 delivered 46% more performance than the single-core x366. (2)

The x366 server's TPC-C benchmark performance result is 9 percent higher than the 202,551 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 (4 processors/8 cores/8 threads), 128GB of memory, and ran Microsoft® SQL Server 2005 Enterprise x64 Edition and Microsoft Windows® Server 2003 Enterprise x64 Edition with SP1. (3)

For this benchmark, the x366 server used the Dual-Core Intel Xeon Processor 7040 3.00GHz with 2MB L2 cache per core (4 processors/8 cores/16 threads), 64GB of memory, and ran IBM DB2 Universal Database 8.2 (64-bit) and Microsoft Windows Server 2003 Enterprise x64 Edition with SP1.

Results referenced are current as of October 31, 2005. To view all TPC results, visit www.tpc.org.

For information about DB2 UDB, visit www.ibm.com/db2.

(1) x366 with Intel Xeon Processor 7040 3.00GHz (4 processors/8 cores/16 threads), 221,017 tpmC, \$8.27/tpmC, total solution availability March 31, 2006.

(2) x366 with Intel Xeon Processor MP 3.66GHz (4 processors/4 cores/8 threads), 150,704 tpmC, \$6.00/tpmC, total solution availability of August 20, 2005.

(3) HP ProLiant DL585 with AMD Opteron 2.4GHz processor (4 processors/8 cores/8 threads), 202,551 tpmC, \$2.40/tpmC, availability of November 8, 2005.

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