

IBM posts world-record two-processor result on Windows on two-tier SAP SD standard application benchmark

IBM System x3690 X5 and DB2 9.7 deliver world-record two-processor result on Windows on two-tier SAP SD standard application benchmark

August 16, 2011 ... IBM® today announced a world-leadership, two-processor result on Windows® on the two-tier SAP® Sales and Distribution (SD) standard application benchmark. The result of 6,846 SAP SD benchmark users was achieved on the IBM System x® 3690 X5, configured with two Intel® Xeon® E7-2870 processors; the server used the IBM System Storage® DS4700 and ran IBM DB2® 9.7 and SAP enhancement package 4 for the SAP ERP application Release 6.0.

The x3690 X5 and DB2 9.7 have achieved the best-ever, two-processor result on Windows on the two-tier SAP SD standard application benchmark—6,846 SAP SD benchmark users with 0.99 seconds average dialog response time, 37,370 SAPS, measured throughput of 2,242,000 dialog steps per hour (or 747,330 fully processed line items per hour), and an average CPU utilization of 99 percent for the central server. (1)

Raising the bar for two-processor results on Windows, the x3690 X5 beat the previous best two-processor result on Windows achieved by the HP ProLiant BL620c G7. (2)

The x3690 X5 was configured with two Intel Xeon E7-2870 processors at 2.40GHz with 30MB shared L3 cache per processor (2 processors/20 cores/40 threads), 256GB of memory, 64-bit DB2 9.7, Microsoft® Windows Server 2008 Enterprise x64 Edition, and SAP ERP 6.0. The server accessed the DB2 9.7 database on the storage managed by an IBM System Storage DS4700 disk system.

Results referenced are current as of August 16, 2011. For the latest SAP benchmark results, visit: <http://www.sap.com/solutions/benchmark/sd2tier.epx>

(1) This benchmark fully complies with the SAP Benchmark Council regulations and has been audited and certified by SAP AG (certification number 2011032). Details can be obtained from IBM and SAP. The benchmark was performed at IBM in Beaverton, OR, USA, by IBM engineers.

(2) Statement of comparison is based on highest-performing system using two Intel Xeon processors and running Windows and the SAP enhancement package 4 for SAP ERP 6.0. Result referenced is current as of August 16, 2011:

The HP ProLiant BL620c G7 achieved 6,703 SAP SD benchmark users on the two-tier SAP SD standard application benchmark and was configured as follows: 2 processors/20 cores/40 threads, Intel Xeon Processor E7-2870, 2.40GHz, 256KB L2 cache per core, and 30MB L3 cache per processor, 256GB main memory, Windows Server 2008 R2 Enterprise Edition, SQL Server 2008, SAP enhancement package 4 for SAP ERP 6.0. Certification number 2011014.

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