

## **IBM posts leadership 4-processor, 64-core result on two-tier SAP SD standard application benchmark**

*IBM System x3755 M3 and DB2 9.7 set new world record for 4-processor, 64-core results on two-tier SAP SD standard application benchmark*

November 29, 2011 ... IBM® today announces a world-leadership, 4-processor, 64-core result on the two-tier SAP® Sales and Distribution (SD) standard application benchmark. The result of 11,680 SAP SD benchmark users was achieved on the IBM System x®3755 M3, configured with four AMD Opteron™ Model 6282 SE 16-core processors; the server used the IBM System Storage® DS4700 and ran IBM DB2® 9.7 and SAP enhancement package 4 for the SAP ERP 6.0 application.

The x3755 M3 and DB2 9.7 have achieved this result on Windows® on the two-tier SAP SD standard application benchmark—11,680 SAP SD benchmark users with 0.93 seconds average dialog response time, 64,130 SAPS, measured throughput of 3,848,000 dialog steps per hour (or 1,282,670 fully processed line items per hour), and an average CPU utilization of 97 percent for the central server. (1)

The x3755 M3 beat HP's recently published result of 11,445 SAP SD benchmark users achieved on a similarly configured system. (2)

The x3755 M3 was configured with four AMD Opteron Model 6282 SE 16-core processors at 2.60GHz with 16MB shared L3 cache per processor (4 processors/64 cores/64 threads), 256GB of memory, 64-bit DB2 9.7, Microsoft® Windows Server 2008 R2 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 November 29, 2011. For the latest SAP benchmark results, visit: <http://www.sap.com/benchmark>.

(1) This benchmark fully complies with the SAP Benchmark Council regulations and has been audited and certified by SAP AG (certification number 2011051). 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 four AMD Opteron Model 6282 SE 16-core processors and running Windows Server 2008 R2 Enterprise Edition and the SAP enhancement package 4 for SAP ERP 6.0. Result referenced is current as of November 29, 2011:

The HP ProLiant DL585 G7 achieved 11,445 SAP SD benchmark users on the two-tier SAP SD standard application benchmark and was configured as follows: 4 processors/64 cores/64 threads, AMD Opteron Model 6282 SE 16-core processors at 2.60GHz, 2MB L2 cache per 2 cores, and 16MB 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 2011046.

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