

IBM posts leadership 2-processor and 16-core result on two-tier SAP SD standard application benchmark

IBM® System x® 3690 X5 and DB2® 9.7 also achieve overall leadership 2-processor result on two-tier SAP® SD standard application benchmark running SAP enhancement package 4 for SAP ERP 6.0

October 11, 2010 ... IBM® today announced a leadership 2-processor and 16-core result on the two-tier SAP Sales and Distribution (SD) standard application benchmark. The result of 5,365 SAP SD benchmark users was achieved on the IBM System x3690 X5, configured with two Intel® Xeon® X7560 processors, and using the IBM System Storage™ DS4700 and running IBM DB2 9.7 and the SAP enhancement package 4 for the SAP ERP application Release 6.0.

The x3690 X5 achieved 5,365 SAP SD benchmark users with 0.99 seconds average dialog response time, 29,300 SAPS, measured throughput of 1,758,000 dialog steps per hour (or 586,000 fully processed line items per hour), and an average CPU utilization of 99 percent for the central server. (1)

This result sets an overall world record for 2-processor and 16-core systems and also for 2-processor systems using SAP enhancement package 4 for SAP ERP 6.0, beating HP's result of 5,110 SAP SD benchmark users on the HP ProLiant DL380 G7. (2)

The x3690 X5 was configured with two Intel Xeon X7560 (2.26GHz with 24MB L3 cache per processor (2 processors/16 cores/32 threads), 128GB of memory, 64-bit DB2 9.7, Microsoft® Windows® Server 2008 Enterprise Edition, and the SAP enhancement package 4 for 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 for the x3690 X5 are current as of October 11, 2010. For the latest SAP benchmark results, visit 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 2010043). 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 SAP enhancement package 4 for SAP ERP 6.0. Configuration of the HP ProLiant DL380 G7 on the two-tier SAP SD standard application benchmark: 2 processors/12 cores/24 threads, Intel Xeon Processor X5680, 3.33GHz, 256KB L2 cache per core, and 12MB L3 cache per processor, 96GB main memory, Windows Server 2008 Enterprise Edition, SQL Server 2008, SAP enhancement package 4 for SAP ERP 6.0. A result of 5,110 SAP SD benchmark users was achieved. Certification number 2010031.

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