

IBM posts leadership 8-processor result on Windows on two-tier SAP SD Standard Application Benchmark

x3950 M2 and DB2 9.5 set world record for 8-processor results on Windows on two-tier SAP SD Standard Application Benchmark

June 25, 2008 ... IBM® today announced a leadership 8-processor result on Windows® on the two-tier SAP® Sales and Distribution (SD) Standard Application Benchmark. The result of 6,615 SAP SD Benchmark users was achieved on the IBM System x™ 3950 M2 configured with eight Quad-Core Intel® Xeon® Processor X7350s and using the IBM System Storage™ DS4800, and running IBM DB2® 9.5 and the SAP ERP Release 6.0 application.

The x3950 M2 achieved 6,615 SAP SD Benchmark users with 1.99 seconds average dialog response time, 33,100 SAPS, measured throughput of 1,986,000 dialog steps per hour (or 662,000 fully processed line items per hour), and an average CPU utilization of 99 percent for the central server. (1)

The x3950 M2's 8-processor result of 6,615 SAP SD Benchmark users demonstrates scalability of 75% from a 4-processor to an 8-processor system, based on the 3,780 SAP SD Benchmark user result achieved by the IBM System x3850 M2. (2) The x3950 M2's result is more than 24 percent better than the HP ProLiant DL785's 8-processor result of 5,230 SAP SD Benchmark users. (3)

The x3950 M2 was configured with 8 Quad-Core Intel Xeon X7350 processors, 2.93GHz with 4MB L2 cache per 2 cores (8 processors/32 cores/32 threads), 128GB of memory, 64-bit DB2 9.5, Microsoft® Windows Server 2003 Datacenter Edition, and SAP ERP 6.0. The server accessed the DB2 9.5 database on the storage managed by an IBM System Storage DS4800 disk system.

Results referenced are current as of June 25, 2008. 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 2008035). Details can be obtained from IBM and SAP. The benchmark was performed at IBM in Research Triangle Park, NC, USA, by IBM engineers.

(2) Configuration of the IBM System x3850 M2 on the two-tier SAP SD Standard Application Benchmark: 4 processors/16 cores/16 threads, Quad-Core Intel Xeon Processor X7350 at 2.93GHz with 4MB L2 cache per 2 cores, 64GB of memory, 64-bit DB2 9, Microsoft Windows Server 2003 Enterprise Edition, and SAP ERP 6.0, certification number 2007068.

(3) Configuration of the HP ProLiant DL785 on the two-tier SAP SD Standard Application Benchmark: 8 processors/32 cores/32 threads, Quad-Core AMD Opteron Processor Model 8360 SE 2.5GHz with 512KB L2 cache per core, 2 MB L3 cache per processor, 128GB of memory, Microsoft SQL Server 2008, Microsoft Windows Server 2003 Enterprise Edition, and SAP ERP 6.0, certification number 2008026.

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