

IBM posts 4-processor result on two-tier SAP SD Standard Application Benchmark on Windows using VMware ESX Server

x3850 M2 and DB2 9.5 deliver new results on two-tier SAP SD Standard Application Benchmark

August 1, 2008 ... IBM® today announced a 4-processor result on the two-tier SAP® Sales and Distribution (SD) Standard Application Benchmark running on Windows® with VMware® ESX Server 3.5. The result of 545 SAP SD Benchmark users was achieved on a machine using two virtual CPUs running on an IBM System x™ 3850 M2 configured with 4 processors and 16 cores, and running IBM DB2® 9.5 and the SAP ERP Release 6.0 application.

The x3850 M2 achieved 545 SAP SD Benchmark users with 1.93 seconds average dialog response time, 2,730 SAPS, measured throughput of 164,000 dialog steps per hour (or 54,670 fully processed order line items per hour), and an average CPU utilization of 12 percent for the central server and 99 percent inside the 8-core virtual machine. (1)

The x3850 M2's result of 545 SAP SD Benchmark users beats HP's publication of 516 SAP SD Benchmark users on a machine using two virtual CPUs running on an HP ProLiant DL580 G5 using four Quad-Core Intel® Xeon® X7350 processors. (2)

The x3850 M2 was configured with four Quad-Core Intel Xeon X7350 processors, 2.93GHz with 4MB L2 cache per 2 cores (4 processors/16 cores/16 threads), 64GB of memory, 64-bit DB2 9.5, Microsoft® Windows Server 2003 Enterprise x64 Edition on VMware ESX Server 3.5 (using 2 virtual CPUs), and SAP ERP 6.0. The server accessed the DB2 9.5 database on the storage managed by an IBM System Storage DS4700 disk system.

Results referenced are current as of August 1, 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 2008044). Details can be obtained from IBM and SAP. The benchmark was performed at IBM in Beaverton, OR, USA, by IBM engineers.

(2) HP ProLiant DL580 G5, 4 processors/16 cores/16 threads, Quad-Core Intel Xeon Processor X7350 at 2.93GHz with 4MB L2 cache per two cores, 64GB of memory, Microsoft SQL Server 2005 Enterprise x64 Edition, Microsoft Windows Server 2003 Enterprise x64 Edition on VMware ESX Server 3.5 (2 virtual CPUs), and SAP ERP 6.0, certification number 2008007.

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