IBM posts a 2-processor result on two-tier SAP SD Standard Application Benchmark on Windows using VMware ESX Server

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

March 12, 2008 ... IBM® today announced a 2-processor result on the two-tier SAP® Sales and Distribution (SD) Standard Application Benchmark running on Windows® with VMware® ESX Server 3.0.2. The result of 490 SAP SD Benchmark users was achieved on a 2 virtual CPU machine running on an IBM System x® 3850 M2 configured with 2 processors and 8 cores, and running IBM DB2® 9 and the SAP ERP Release 6.0 application.

The x3850 M2 achieved 490 SAP SD Benchmark users with 1.93 seconds average dialog response time, 2,470 SAPS, measured throughput of 148,000 dialog steps per hour (or 49,330 fully processed line items per hour), and an average CPU utilization of 24 percent for the central server and 97 percent inside the 2 virtual CPU machine. (1)

The x3850 M2's result of 490 SAP SD Benchmark users beats Fujitsu Siemens Computers' recent publication of 470 SAP SD Benchmark users on a 2 virtual CPU machine running on a PRIMERGY Model RX600 S4 using four Quad-Core Intel® Xeon® X7350 processors. (2)

The x3850 M2 was configured with two Quad-Core Intel Xeon X7350 processors, 2.93GHz with 4MB L2 cache per 2 cores (2 processors/8 cores/8 threads), 32GB of memory, 64-bit DB2 9.1, Microsoft® Windows Server 2003 Enterprise x64 Edition on VMware ESX Server 3.0.2 (using 2 virtual CPUs), and SAP ERP 6.0. The server accessed the DB2 9 database on the storage managed by an IBM System Storage DS4800 disk system.

Results referenced are current as of March 12, 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 2008005). Details can be obtained from IBM and SAP. The benchmark was performed at IBM in Beaverton, OR, USA, by IBM engineers.

(2) Fujitsu Siemens Computers PRIMERGY RX600 S4, 4 processors/16 cores/16 threads, Quad-Core Intel Xeon Processor X7350 at 2.93GHz with 4MB L2 cache per two cores, 32GB of memory, Microsoft SQL Server 2005 Enterprise x64 Edition, Microsoft Windows Server 2003 Enterprise x64 Edition on VMware ESX Server 3.0.2 (2 virtual CPUs), and SAP ERP 6.0, certification number 2007074.