

IBM posts leadership 16-processor result on two-tier SAP SD Standard Application Benchmark

April 21, 2006 ... IBM® today announced a leadership 16-processor result on the two-tier SAP® Sales and Distribution (SD) Standard Application Benchmark. The IBM System x3950 achieved 5,205 SAP SD Benchmark users. This result was achieved by a complete IBM solution, comprised of the IBM System x3950 server, IBM DB2® UDB 8.2, and IBM TotalStorage® DS4500, running the mySAP™ ERP 2004 solution.

The x3950 achieved 5,205 SAP SD Benchmark users with 1.83 seconds average dialog response time, 26,400 SAPS, measured throughput of 1,584,000 dialog steps per hour (or 528,000 fully processed line items per hour), and an average CPU utilization of 91 percent. (1)

The dual-core x3950 server's result represents scalability of more than 60 percent compared to the single-core x460 server's previously published result of 3,200 SAP SD Benchmark users. (2)

The x3950 used 16 processors/32 cores/64 threads, 64-bit Intel Xeon® 7040 Processors at 3.00GHz with 2MB L2 cache per core, 256GB of memory, 64-bit DB2 UDB 8.2, Microsoft Windows® Server 2003 Datacenter x64 Edition, and mySAP ERP 2004 solution. The server accessed the DB2 database on the storage managed by an IBM TotalStorage DS4500 disk system, designed for performance, high availability and scalability.

Results referenced are current as of April 21, 2006. For the latest SAP 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 2006019). Details can be obtained from IBM and SAP. The benchmark was performed at Research Triangle Park, North Carolina, USA, by IBM engineers.

(2) The x460 used 16 processors/16 cores/32 threads, 64-bit Intel Xeon Processors MP at 3.33GHz with 8MB L3 cache, 128GB of memory, DB2 UDB 8.2, Microsoft Windows Server 2003 Datacenter x64 Edition, and SAP R/3 Enterprise 4.70 (64-bit), certification number 2005028.

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