

## **xSeries, DB2 and TotalStorage solution delivers leading 4-way performance on the two-tier SAP Standard Application Sales and Distribution (SD) Benchmark**

April 23, 2003 ... The powerful new 4-way IBM® @server™ xSeries™ 450(1) teamed up with IBM DB2® Universal Database 8.1 and IBM TotalStorage® FAST700 to deliver a leading number of benchmark users for a 4-way Intel® Itanium 2™ 1.0GHz processor-based server with Microsoft® Windows® 2003 Server running the two-tier SAP® Standard Application Sales and Distribution (SD) Benchmark.

Running SAP R/3® Release 4.6C, the x450 server achieved 515 SAP SD Benchmark users with 1.96 seconds average dialog response time; the measured throughput of 155,000 dialog steps per hour (or 51,670 fully business processed order line items per hour), with an average CPU utilization of 99 percent for the central server. (2)

The x450's new result easily surpasses the result of 470 SAP SD Benchmark users with 1.97 seconds average dialog response time achieved on the same SAP benchmark released by Hewlett-Packard on the hp server rx5670, configured with four 1.0GHz/3MB Intel Itanium 2 processors and 16GB of memory, running Microsoft Windows Advanced Server Limited Edition 1.2, Microsoft SQL Server 2000 Enterprise Edition and SAP R/3 4.6C. The achieved throughput was 47,000 fully business processed order line items per hour.

The x450 achieved this new result on a configuration that included four 1.0GHz Intel Itanium 2 processors (each with 3MB L3 cache), 16GB of main memory, the TotalStorage FAST700 controller and 380GB of Fibre-attached storage, DB2 UDB 8.1, and Microsoft Windows Server 2003 Enterprise Server

For the latest SAP results, visit [www.sap.com/benchmark](http://www.sap.com/benchmark).

For information about DB2 and TotalStorage products, visit [www.ibm.com/software](http://www.ibm.com/software) and [www.ibm.com/storage](http://www.ibm.com/storage), respectively.

Results referenced are current as of April 23, 2003. For this benchmark, the comparison with the hp server rx5670 is based on the leading performance achieved by a 4-way system using the 1.0GHz Itanium 2 processor.

(1) Planned availability for the x450 server is May 9, 2003.

(2) This benchmark fully complies with the SAP Benchmark Council regulations and has been audited and certified by SAP AG. Details can be obtained from IBM and SAP. The benchmark was performed at Research Triangle Park, North Carolina, USA, by IBM engineers.

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