



## Performance Brief

### **IBM @server xSeries 440 and DB2 achieve leadership performance with Linux on 2-tier SAP® Sales and Distribution (SD) Standard Application Benchmark**

**August 2002**

*In recent measurements, the xSeries™ 440 server, announced worldwide March 12, achieved leadership performance results for Intel® processor-based servers running the 2-tier SAP Sales and Distribution (SD) Standard Application Benchmark.*

#### **The Benchmark Environment**

The xSeries 440 8-way server achieved 575 SAP SD benchmark users with 1.89 seconds average dialog response time on DB2® UDB Version 7.2 and SuSE Linux 8.0 (Linux kernel 2.4.18).

The hardware configuration for the 575 SAP SD benchmark user run consisted of one central server, an xSeries 440 server with eight 1.6GHz Intel Xeon™ Processor MP with 1MB L3 cache, 8GB of main memory, and 200GB of total disk space running SuSE Linux 8.0 (Linux kernel 2.4.18), DB2 UDB Version 7.2 and the SAP SD benchmark, running SAP R/3 Release 4.6C. The measured throughput was 174,000 dialog steps per hour (or 58,000 fully processed order line items per hour), with an average CPU utilization of 95 percent for the central server.

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

<b>Certification Number</b>	2002040
<b>Hardware Partner</b>	International Business Machines Corp.
<b>Contact Name/e-Mail Address</b>	Param Singh / paramjit @ us.ibm.com
<b>R/3 Release</b>	4.6C
<b>DBMS Version</b>	DB2 UDB Version 7.2
<b>Date</b>	July 24, 2002
<b>Location</b>	Research Triangle Park, NC, USA
<b>Lead Engineers</b>	IBM: Param Singh
<b>Published</b>	Yes

## **For More Information**

Visit [ibm.com/pc/ww/eserver/xseries](http://ibm.com/pc/ww/eserver/xseries) for information about IBM products and services.

For information about SAP AG benchmark results, visit [www.sap.com/benchmark](http://www.sap.com/benchmark).

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## **Notes**

(1) When referring to hard disk capacities, GB, or gigabyte, means one billion bytes. Total user-accessible capacity may be less.

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