



Performance Brief

IBM @server xSeries server achieves leadership performance with SAP R/3 SD Benchmark

May 2001

In recent measurements conducted with the SAP® R/3® Centralized SD benchmark, the xSeries 350 server, announced worldwide March 22, achieved leadership performance results.

xSeries 350

The IBM @server xSeries 350 demonstrated leadership performance in standard benchmark testing, running the SAP R/3 Centralized SD (Sales and Distribution) Standard Application Benchmark on an four-way, Intel-based server. The xSeries 350 server achieved 255 SD Benchmark users with 1.91 seconds average dialog response time on DB2® UDB Version 7.2 and Microsoft® Windows® 2000 Advanced Server. The measured throughput of 77,000 dialog steps per hour represents 25,670 fully processed order line items per hour. This is a new record for a four-way server that uses the Intel® Pentium® III Xeon™ 900MHz(1) processor.

The Benchmark Environment

The hardware configuration for the 255 SD benchmark user run consisted of one central server, an xSeries 350 server with four 900MHz Pentium III Xeon processors with 2MB L2 cache, 4GB(2) of main memory, and 110GB of total disk space running Windows 2000 Advanced Server, DB2 UDB Version 7.2 and the R/3 SD Benchmark, Release 4.6 C. The measured throughput was 77,000 dialog steps per hour with an average CPU utilization of 97 percent for the central server.

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

Certification Number	2001017
Hardware Partner	International Business Machines Corp.
Contact Name/e-Mail Address	Param Singh / paramjit @ us.ibm.com
R/3 Release	4.6 C
DBMS Version	DB2 UDB Version 7.2
Date	April 24, 2001
Location	RTP, NC, USA
Lead Engineers	IBM: Param Singh
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Notes

(1) MHz only measures microprocessor internal clock speed; many factors affect application performance.

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

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