

Performance Brief

IBM @server xSeries 440, DB2 and IBM TotalStorage FAStT700 achieve leadership performance on 2-tier SAP® Standard Application Sales and Distribution (SD) Benchmark

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In recent measurements, the xSeriesTM 440 server achieved leadership performance results for a 32-bit Intel® processor-based server running the 2-tier SAP Standard Application SD Benchmark.

The Benchmark Environment

The x440 16-way server achieved 1,090 SAP SD benchmark users with 1.48 seconds average dialog response time on DB2® UDB Version 8.1 and Microsoft® Windows® .NET Datacenter.

The hardware configuration for the 1,090 SAP SD benchmark user run consisted of one central server, an x440 server with sixteen 2.0GHz Intel XeonTM Processor MP with 2MB L3 cache, 32GB of main memory, and 490GB of Fibre-attached storage using the IBM TotalStorage® FAStT700 controller, and running Microsoft® Windows® .NET Datacenter, IBM DB2® UDB 8.1 and the SAP SD benchmark, running SAP R/3® Release 4.6C. The measured throughput was 342,000 dialog steps per hour (or 114,000 fully processed order line items per hour), with an average CPU utilization of 90 percent for the central server.

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

Certification Number	2002070
Hardware Partner	International Business Machines Corp.
Contact Name/e-Mail Address	Param Singh / paramjit @ us.ibm.com
R/3 Release	4.6C
DBMS Version	DB2 UDB Version 8.1
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Lead Engineers	IBM: Param Singh
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About DB2

DB2 is a proven transactional, relational database that supports OLTP, data warehousing, content management, and information integration all with just one product. DB2 sets the pace for data warehousing applications by integrating text, video, image, audio, XML, and spatial data, thereby greatly simplifying information management and retrieval. And, your DB2 database grows as you grow -- scaling from the smallest data marts to the largest multi-terabyte data warehouse.

About FAStT

IBM Fibre Array Storage Technology (FAStT) storage servers are full-fibre, 2Gbs, SAN-ready disk systems that support multiple operating systems simultaneously. The FAStT700 is designed for high-performance computing environments and provides the building blocks for networked storage. In addition to excellent performance, FAStT700 storage systems comes as a rack-mountable, fully redundant modular units that can scale up to 32.8 terabytes. FAStT systems can be configured to optimize performance and provide high data availability at the same time. Multiple FAStT systems can be managed from a single console anywhere in the world. The FAStT700's premium features include remote mirroring and point in time FlashCopy for business continuance.

For More Information

Visit ibm.com/pc/ww/eserver/xseries for information about IBM products and services.

For information about SAP benchmark results, visit www.sap.com/benchmark.

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