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Performance Brief

xSeries 360 delivers high performance for running Java applications

November 2002

The IBM @server xSeries 360 is a 4-way SMP server that incorporates the powerful Intel® Xeon™ Processor MP at speeds of up to 2.0GHz. (1) Recent measurements were made using SPECjbb2000 to evaluate the x360's ability to run Java applications in a Microsoft® Windows® 2000 environment. The results demonstrate the excellent performance of which the x360 is capable. The results and configuration details are summarized in the table.

SPECjbb2000 (Java Business Benchmark) is SPEC's first benchmark for evaluating the performance of server-side Java. Joining the client-side SPECjvm98, SPECjbb2000 continues the SPEC tradition of giving Java users an objective and representative benchmark for measuring a system's ability to run Java applications.

SPECjbb2000 represents a middleware application written in Java. Hardware vendors can use the benchmark's results to analyze their platforms' scalability when running Java applications. Software vendors can evaluate the efficiency of their JVMs, JITs, garbage collectors and thread implementations.

Operations per Second (op/s) Using Windows 2000
73,319
Four 2.0GHz Xeon Processor MP with 2MB L3 Cache
8GB Memory
One 36.4GB (2) 15K Ultra320 Disk Drive
JVM Version
IBM 32-Bit Runtime Environment for Windows, Java 2 Technology Edition, Version 1.4.0
Operating System
Microsoft Windows 2000 Server Advanced Server

For a complete list of SPECjbb2000 results and complete information about the benchmark, visit www.spec.org.

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Notes

(1) GHz only measures microprocessor internal clock speed, not application performance. Many factors affect application performance.

(2) When referring to hard disk capacity, GB, or gigabyte, means one thousand million bytes. Total user-accessible capacity may vary depending on operating environment.

Results referenced in this document are current as of November 4, 2002.