Performance Brief

New xSeries 335 delivers powerful performance for Web-serving applications

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The IBM® @server® xSeries® 335 servers are high-throughput, two-way SMP-capable Intel® Xeon™ processor-based servers that meet the challenge of doing more with less – serving more Web pages, handling more secure connections, supporting more e-mail users – while reducing cost and saving space. The x335 is designed to meet the challenge. The x335 incorporates the powerful 3.2GHz[1] Intel Xeon processor with 533MHz frontside bus and a 1MB L3 cache. And, with its 1U design, the x335 delivers maximum xSeries performance density in a flexible stand-alone server.

The SPECweb99_SSL benchmark was used to measure the x335 server's performance in a configuration that used two 3.2GHz Xeon processors. The SPECweb99_SSL[2] results and configuration details are summarized below.

SPECweb99_SSL - Conforming Simultaneous Connections
1,440
System Hardware
2 x 3.2GHz Xeon Processor with 1MB L3 Cache
8GB Memory
2 x 36.4GB 15K Ultra320 Disk Drives
Embedded LSI SCSI Controller
Operating System and HTTPS Software
Red Hat Linux 7.3
Zeus V4.2r2
Network Hardware
Intel PRO 1000 MT Dual-Port Server Adapter
Nortel Networks Gigabit Switch

The SPECweb99_SSL result for the x335 and all other SPECweb99_SSL results can be viewed at www.spec.org.

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Trademarks

Notes

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

(2) SPECweb99_SSL, a new benchmark released in April 2002, adds Secure Sockets Layer (SSL) Protocol support to SPECweb99, the acknowledged worldwide standard for web server performance evaluation. It tests secure Web server performance using HTTP 1.0/1.1 over the SSL Protocol. It is an extension of, rather than a replacement for, SPECweb99. SPECweb99_SSL adopts an industry-accepted workload to measure the performance capabilities of a web server with added SSL encryption/decryption. The benchmark's metric represents the number of simultaneous connections that a secure Web server can support while meeting specific throughput and error-rate requirements.