



Performance Brief

New xSeries 225 delivers powerful performance for Web-serving applications

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The IBM® @server xSeries™ 225 servers are high-throughput, two-way SMP-capable Xeon Processor-based network servers. They deliver excellent scalability for adding memory, adapter cards, or multiple processors. They incorporate the powerful 2.67 or 2.8GHz¹ Intel® Xeon™ Processor with 512KB integrated full-speed ECC L2 cache.

The SPECweb99_SSL benchmark was used to measure the x225 server's performance in a configuration that used two 2.8GHz Xeon Processors. The SPECweb99_SSL² results and configuration details are summarized below.

SPECweb99_SSL - Simultaneous Connections
IBM @server xSeries 225
1,001
System Hardware
2 x 2.8GHz Xeon Processor with 512KB L2 Cache
4GB Memory
6 x 36.4GB 15K Ultra320 Disk Drives
Embedded LSI SCSI Controller
Operating System and HTTPS Software
Red Hat Linux 7.3
Zeus V4.1R1
Network Hardware
One Embedded Gigabit Controller
Extreme Networks Summit 7i Gigabit Switch

The SPECweb99_SSL results for the x225 will complete SPEC review on February 18, 2003. Upon completion of a successful review, this result will be posted at www.spec.org. For a complete list of SPECweb99_SSL results, 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) 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.