



Performance Brief

New xSeries 255 blends features and function to deliver powerful performance for e-business applications

June 2003

The IBM® @server™ xSeries® 255 servers are four-way SMP-capable servers that incorporate the powerful 2.0, 2.5 or 2.8GHz¹ Intel® Xeon™ MP processor with 400MHz front-side bus (FSB) and full-speed 1MB or 2MB ECC L3 caches standard. For e-business applications, the x255 system, available in rack or tower models, makes an excellent Web or e-business server.

The SPECweb99_SSL² benchmark was used to measure the x255 server's performance using four 2.8GHz Xeon MP processors.

IBM @server xSeries 255
SPECweb99_SSL - Conforming Simultaneous Connections
2,110
System Hardware
4 x 2.8GHz Xeon MP Processors with 2MB L3 Cache
12GB Memory
6 x 36.4GB 15K Ultra320 Disk Drives
Embedded LSI SCSI Controller
Operating System and HTTPS Software
Red Hat Linux 7.3
Zeus V4.2r2
Network Hardware
One Embedded Gigabit Controller
Nortel Networks 8010 Switch

These results are current as of June 30, 2003, and will be posted upon completion of SPEC review at www.spec.org, which contains a complete list of published SPECweb99_SSL results.

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Published by the IBM xSeries Server Performance Laboratory, IBM Corp.

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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.