



## Performance Brief

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### ***xSeries 360 delivers high performance for secure Web-hosting***

**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 and L3 caches up to 2MB.(1) The SPECweb99\_SSL benchmark was used to measure the xSeries 360 server's performance. The results and configuration details are summarized below.*

<b>SPECweb99_SSL - Simultaneous Connections</b>
<b>1,643</b>
<b>System Hardware</b>
Four 2.0GHz Xeon Processor with 2MB L3 Cache
8GB Memory
Two 36.4GB(2) 15K Ultra320 Disk Drives
Embedded LSI SCSI Controller
<b>Operating System and HTTPS Software</b>
Red Hat Linux 7.3 (Linux kernel 2.4.18)
Zeus V4.1R1
Server Cache: None
<b>Network Hardware</b>
One Embedded Gigabit Controller
One Extreme Networks Switch

SPECweb99\_SSL, 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. For a complete list of SPECweb99\_SSL results, visit [www.spec.org](http://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.