

## **xSeries 440 server delivers outstanding performance and scalability for secure Web-hosting**

August 5, 2002 ... The xSeries™ 440 has demonstrated leadership performance for a 4- and 8-way SMP server on the SPECweb99\_SSL benchmark. In an 8-way configuration, the x440 server supported 1,738 simultaneous connections -- the highest number achieved to date on SPECweb99\_SSL. The x440 also delivered the highest performance for any 4-way server using IA-32, supporting 1,168 simultaneous connections. These scores demonstrate outstanding scalability for an SMP server.

The xSeries 440 used the Intel® 1.6GHz/1MB Xeon™ Processor MP and ran the Red Hat Linux 7.2 operating system and Zeus V4.1R1 HTTPS software.

### **About SPECweb99\_SSL**

In April 2002, the Standard Performance Evaluation Corp. (SPEC) released SPECweb99\_SSL, a new benchmark that adds Secure Sockets Layer (SSL) Protocol support to SPECweb99, the acknowledged worldwide standard for web server performance evaluation.

SPECweb99\_SSL is built on the same test harness and uses the same workload and filesets as SPECweb99. 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.

The benchmark answers the need for a meaningful measure of the Web server load generated by servicing encrypted requests, which have become more prevalent on the Web over the last few years. 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 is SPECweb99\_SSL. It represents the number of simultaneous connections that a secure Web server can support while meeting specific throughput and error-rate requirements.

SPECweb99\_SSL emulates clients sending the HTTPS requests in the workload over slow Internet connections to the web server.

For a complete list of all results, visit [www.spec.org](http://www.spec.org).

Specific information about IBM and xSeries products, services and support is located at [ibm.com/pc/ww/eserver/xseries](http://ibm.com/pc/ww/eserver/xseries).

Results referenced are current as of August 5, 2002.

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