New xSeries server delivers highest 2-way IA-32 performance for secure Web-hosting

August 8, 2003 ...The IBM® $@\mathrm{server}^{\mathrm{TM}}$ xSeries® 345 has surpassed the competition in performance measurements with SPECweb99_SSL. The x345's result of 1,382 conforming simultaneous connections, is the highest 2-way IA-32 score on the SPECweb99_SSL benchmark.

The new x345 model, announced August 5, achieved this performance using two Intel® Xeon$^{\mathrm{TM}}$ 3.06GHz processors, each with 1MB L3 cache; 8GB of memory; six 36.4GB Ultra320 SCSI drives; the Red Hat Linux 7.3 operating system, and Zeus V4.2r2 HTTPS software.

SPECweb99_SSL uses an industry-accepted workload to measure the performance capabilities of a Web server with added SSL (Secure Socket Layer) encryption/decryption. SPECweb99_SSL is intended to measure the performance of Web servers, such as e-commerce servers, that experience the high volume of throughput typical of a large enterprise. 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.

These results are current as of August 8, 2003. The SPECweb99_SSL report for the x345 server, along with a complete list of SPECweb99_SSL results, can be viewed at www.spec.org.