

IBM delivers high performance for secure Web-hosting

January 28, 2003 ... IBM **@server** BladeCenter™ supported 870 simultaneous connections in measurements with SPECweb99_SSL, which 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.

BladeCenter -- able to hold up to 84 blades per rack -- is designed for extremely high-density rack environments where space is at a premium. The BladeCenter server is a high-throughput, two-way system that is scalable with the addition of memory and a second processor. It incorporates the powerful Intel® Xeon™ Processor at speeds of 2.0 or 2.4GHz.

For the SPECweb99_SSL measurements, the BladeCenter server was configured with two 2.4GHz/512KB Xeon Processors, 4GB of memory, two 40GB IDE drives and ran the Red Hat Linux 7.3 operating system and Zeus V4.1R1 HTTPS software.

About SPECweb99_SSL

In April 2002, the Standard Performance Evaluation Corporation (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 file sets 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. 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.

The SPECweb99_SSL results for the BladeCenter server can be viewed at www.spec.org.

Specific information about IBM and xSeries products, services and support is located at ibm.com/pc/ww/eserver/xseries.

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