

xSeries 335 server delivers leading 2-way performance for secure Web-hosting

August 16, 2002 ... The xSeries™ 335 has demonstrated leadership performance for a 2-way SMP server -- supporting 870 simultaneous connections on the SPECweb99_SSL benchmark. Compared to other 2-way results, this score is the highest number achieved to date on SPECweb99_SSL. For example, the x335's score is 10 percent higher than the HP Server rx2600's score of 778 and nearly 12 percent higher than the HP Server rx5670's score of 770.

The x335 used two Intel® 2.4GHz/512KB Xeon™ Processors, 4GB of memory, two 36.4GB drives and ran the Red Hat Linux 7.3 operating system and Zeus V4.1R1 HTTPS software. The HP Server rx2600 and the HP Server rx5670 each used two Intel 1GHz Itanium 2 processors and ran the Red Hat Linux 7.3 operating system and Zeus V4.1R4 HTTPS software. It is noteworthy that HP Server rx2600 used 12GB of memory, fifteen 18GB drives, and one 36GB drive; and the HP Server rx5670 used 24GB of memory, fifteen 18GB drives, and two 36GB drives.

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 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.

SPECweb99_SSL emulates clients sending the HTTPS requests in the workload over slow Internet connections to the web server. 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.

Results referenced are current as of August 16, 2002. The SPECweb99_SSL results for the x335 will complete SPEC review on September 3, 2002, and upon successful review, these results will be posted at www.spec.org. The HP reports can also be viewed at this site.

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