

Netfinity 4500R scores with new SPECweb99 performance results

April 18, 2000 ... The IBM® Netfinity® 4500R server achieved scores of 746 and 1,001 simultaneous connections on the SPECweb99® benchmark. Configured with the 733MHz Intel® Pentium® III processor with 256KB L2 cache and 4GB of memory, running Microsoft® Windows™ 2000 Advanced Server and Microsoft Internet Information Server 5.0, the Netfinity 4500R demonstrated the capability to support a total of 746 simultaneous connections with one processor and 1,001 with two processors.

These results are industry-leading on an Intel-based platform. The configuration also used Alteon Networks' ACEnic Gigabit Ethernet Adapter and the ACEswitch 180 GbE, a per-port-selectable 10/100/1000 Mbps switch.

About SPECweb99

SPECweb99, developed by Standard Performance and Evaluation Corporation, is the successor to SPECweb96 and is intended to provide the most objective, most representative benchmark for measuring Web server performance. As such, the benchmark disclosure is governed by an extensive set of run rules to ensure fairness of results.

SPECweb99 measures the maximum number of simultaneous connections, requesting the predefined benchmark workload that a Web server is able to support while still meeting specific throughput and error rate requirements. The connections are made and sustained at a specified maximum bit rate with a maximum segment size intended to more realistically model conditions that will be seen on the Internet during the lifetime of this benchmark.

The SPECweb99 workload simulates the accesses to a Web service provider, where the server supports the home page for a number of different organizations. Each home page is a collection of files ranging in size from small icons to large documents or images. As in the real world, certain files within the home page are more popular than others. The dynamic GETs simulate the common practice of "rotating" advertisements on a Web page. The POSTs simulate entry of user data into a log file on the server, such as might happen during a user registration sequence.

SPECweb99 results should not be compared with SPECweb96 results. Although the benchmarks are similar, SPECweb99 uses an entirely different metric than SPECweb96, and it also has different file-access distributions and a mix of different types of server queries. The dynamic part of the SPECweb99 workload has no SPECweb96 equivalent, so there is no way to make meaningful comparisons between the two.

SPECweb99 reports are available on the World Wide Web at <http://www.specbench.org/osg/web99>.

Specific information about IBM Netfinity products, services and support is located at <http://www.ibm.com/netfinity>.

¹MHz only measures microprocessor internal clock speed, not application performance. Many factors affect application performance.

Results referenced in this document are current as of April 18, 2000.

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