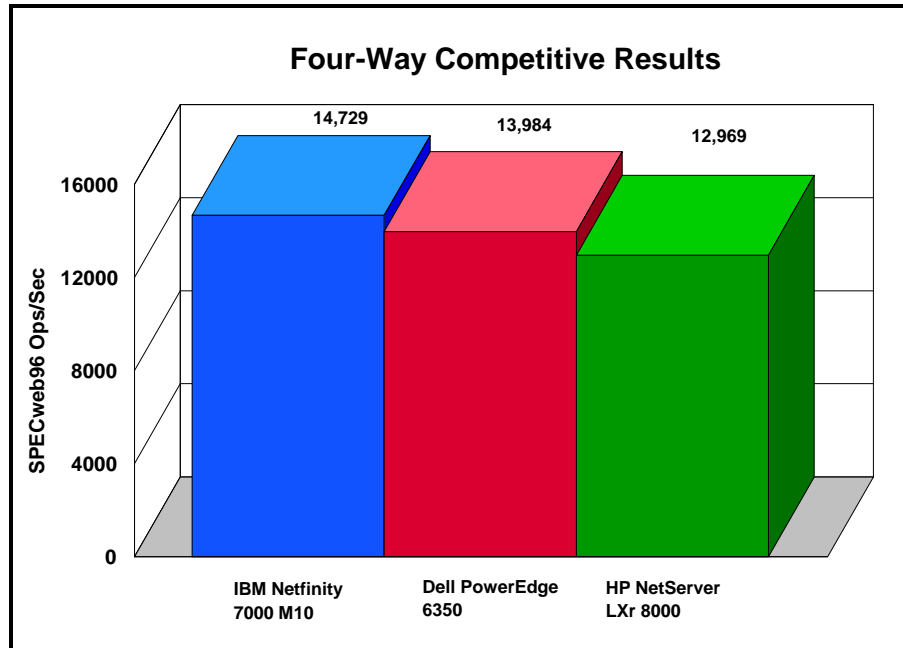


Netfinity Sets Record with SPECweb96

August 25, 1999 ... The Netfinity* 7000 M10 server set a new SPECweb96** performance record for four-way, Intel-based servers running Windows** 2000 Advanced Server, surpassing the results of the Dell** PowerEdge** 6350 and the Hewlett-Packard** NetServer** LXR 8000.

Configured with four 500MHz¹ Intel** Pentium** III Xeon** processors with 2MB L2 cache and 4GB of memory, running Windows 2000 Advanced Server Edition² and Microsoft** Scalable Web Cache 2.0, the Netfinity 7000 M10 achieved peak results of 14,729 Web page requests per second.³



The Dell and HP system configurations each used four 500MHz Pentium III Xeon processors and 4GB and 8GB of memory, respectively, as well as Windows 2000 Advanced Server Edition and Microsoft Scalable Web Cache 2.0 and 1.2, respectively.

The Netfinity 7000 M10 also bested the Dell and HP results in one-way and two-way configurations. Configured with two 500MHz Pentium III Xeon processors with 2MB L2 cache and 4GB of memory, running Windows 2000 Advanced Server Edition and Microsoft Scalable Web Cache 2.0, the Netfinity 7000 M10 achieved peak results of 11,344 Web page requests per second. In a one-way configuration, the Netfinity 7000 M10 achieved peak results of 8,267 Web page requests per second.

Server	One-Way	Two-Way	Four-Way
IBM Netfinity 7000 M10	8,267	11,344	14,729
Dell PowerEdge 6350	8,246	11,212	13,984
HP NetServer LXR 8000	5,062	8,163	12,969

These SPECweb96 benchmark results demonstrate the robust capabilities of Netfinity servers for handling Web page delivery and e-commerce at heavily trafficked web sites. These results demonstrate the clear performance advantage of the Netfinity line of servers.

This Netfinity performance milestone was achieved using Alteon Networks' ACEnic Gigabit Ethernet Adapter with Jumbo Frame support, which improves bulk data transfer performance and minimizes packet-processing overhead on servers. Also used was the ACEswitch 180, a per-port-selectable 10/100/1000 Mbps switch.

About SPECweb96

SPECweb96, with its standardized workload and implementation, measures a system's ability to perform as a World Wide Web server for static pages. The workload simulates the accesses to a Web service provider, where

the server supports multiple pages for a number of different organizations. This benchmark is useful in evaluating systems that handle millions of hits per day and multiple hits per second. SPECweb96 provides the most objective, most representative benchmarks for measuring Web server performance.

SPECweb96 reports are available on the World Wide Web at <http://www.specbench.org/osg/web96>.

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

The IBM Fax Information Service allows you to receive facsimiles of prior IBM product releases. Simply dial 1-800-IBM-4FAX and enter "99" at the voice menu.

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

²Windows 2000 Advanced Server Edition is planned to be generally available in fourth quarter 1999.

³SPECweb96 defines two metrics: operations per second and average response time in milliseconds per workload. What we call a "Web page request" is actually an "operation," which is an HTTP request for an HTML file or an object referenced in an HTML file.

Results referenced in this document are current as of August 25, 1999. Competitors' results are provided for comparison. All competitive results shown are based on the benchmark measurements conducted by the respective companies. IBM did not test or in any way verify the results obtained by these companies. The configuration of the server under test as well as the test environment may vary. Readers are encouraged to examine the companies' published disclosure reports for details concerning the server configuration and the methodology used to obtain the published results.

Data on competitive products was obtained from publicly available information and is subject to change without notice. Contact the manufacturer for the most recent information.

*IBM is a registered trademark and Netfinity is a trademark of International Business Machines Corporation.

**Dell and PowerEdge are registered trademarks of Dell Computer Corporation.

**Hewlett-Packard and NetServer are registered trademarks of Hewlett-Packard Corporation.

**Intel and Pentium are registered trademarks and Xeon is a trademark of Intel Corporation.

**Microsoft is a registered trademark and Windows and Windows NT are trademarks of Microsoft Corporation in the United States and/or other countries.

**SPECweb96 is a trademark of Standard Performance Evaluation Corporation.

Other company, product and service names may be the trademarks or service marks of others.