IBM AS/400e SERVER SETS WORLD RECORD FOR TRANSACTION PROCESSING

Submitted by: Pleon
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IBM today announced that its AS/400e Model 840 server has set a new record for commercial transaction-processing performance

Based on the Transaction Processing Performance Council's TPC-C benchmark, IBM AS/400e is the world's most powerful system for single-server transaction processing, beating comparable servers from Sun Microsystems, Hewlett-Packard and Compaq. The 24-way IBM AS/400e Model 840 server performed a record 152,346.25 transactions per minute (tpmC) at $59.35 per transaction ($/tpmC) -- 25 per cent better performance than Sun's 64-way E10000 at just over half the price per tpmC1.

Commercial customers have traditionally used the single-server, single-database TPC-C results as a principle metric for comparing systems that run demanding enterprise-wide applications. The test was performed with a 24-way IBM AS/400e Model 840 server powered by IBM's copper and SOI microprocessors, running Version 4 Release 5 of OS/400 and IBM DB2 Universal Database for AS/400.

IBM today also announced that its AS/400e Model 840 server has set a new record for Lotus Domino scalability and performance, handling 75,000 concurrent NotesBench R5 mail users.

In June, the AS/400e Model 840 achieved industry-leading VolanoMark and SPECjbb2000 benchmark results for server-side Java performance, demonstrating AS/400's leadership in running Domino, Java and data-transaction workloads.

"Our TPC-C results are further proof that we are leveraging IBM's copper and silicon-on-insulator processor technologies to deliver industry-leading transaction-processing performance," said Patrice Mitchell, vice president, AS/400 Marketing. "Our leadership in TPC-C and NotesBench, as well as VolanoMark and SPECjbb2000, demonstrate that AS/400e provides customers significant scalability, performance and price/performance advantages over Sun, HP and Compaq servers in a wide variety of workloads."

IBM AS/400e Model 840 single-server benchmarks and availability dates:

tpmC: 152,346

$/tpmC: $59.35/tpmC

System availability: Sept. 15, 2000

Date submitted: July 7, 2000

About IBM AS/400e Servers:

IBM is the world's leading server company, and IBM AS/400e is the world's most popular multi-user commercial business computer, with 700,000 systems shipped to more than 150 countries. It is a powerful, flexible transaction server capable of managing and connecting a company's core business applications to suppliers, distributors and customers over the Web. AS/400e scales from a single processor to a 24-way processor and is in its sixth generation of 64-bit RISC technology.

The IBM AS/400e Model 840 server is powered by the world's first production microchips made of silicon-on-insulator transistors and copper wiring. The addition of SOI alone can increase performance up to 20-30 percent beyond the use of copper by protecting the millions of transistors on a chip with a blanket of insulation, reducing harmful electrical leakage that wastes power. The AS/400e Model 840 is 3.6 times faster than the previous generation of AS/400 servers.

The new line of IBM AS/400e servers will be generally available on July 28, 2000.

For more information on IBM AS/400e, visit http://www.as400.ibm.com.

For more information on the TPC-C benchmark results, visit http://www.tpc.org or http://www.ideasinternational.com.

1 The largest single-system Sun results as of July 26, 2000, are 115,395.73 tpmC at $105.63/tpmC, with an availability date of Aug. 22, 1999. The largest single-system

Hewlett-Packard results as of July 26, 2000, are 102,023.50 tpmC at $63.21/tpmC, with an availability date of Nov. 30, 1999. The largest single-system Compaq results as of July 26, 2000, are 122,608.00 tpmC at $66.48/tpmC, with an availability date of Aug. 31, 2000.

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Editors notes

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