

IBM System Storage 5000 Series used to achieve leadership 16-processor performance on TPC-C benchmark

March 21, 2006 ... IBM® showcases its new System Storage™ N5000 Series in the republication of a leadership TPC-C performance result for an the Intel® Xeon® processor-based server using 16 processors. (1)

In November 2005, the IBM eServer™ xSeries® 460 server, using the Dual-Core Intel Xeon Processor 7040 3.00GHz with 2MB L2 cache per core, and Microsoft® SQL Server 2005 Enterprise x64 Edition (SP1) delivered leadership 16-processor performance on the industry-standard TPC-C benchmark. The benchmarked system used the Network Appliance FAS3050 storage system. Now IBM has made the same storage system available as the System Storage N5500, which is featured in the republished benchmark disclosure.

The x460 server achieved 492,307 tpmC, raising the bar for 16-processor system performance on the TPC-C online transaction processing benchmark. (2) The x460 server used the Dual-Core Intel Xeon Processor 7040 3.00GHz with 2MB L2 cache (16 processors/32 cores/64 threads), 256GB of memory, and ran Microsoft SQL Server 2005 Enterprise x64 Edition (SP1) and Microsoft Windows® Server 2003 Datacenter x64 Edition.

The x460 server's performance result is 30 percent higher than the 376,045 tpmC result achieved by the Unisys ES7000/600 Enterprise Server, which used 16 Intel Xeon Processor MP at 3.33GHz with 8MB L3 cache (16 processors/16 cores/32 threads), 256GB of memory, and ran Microsoft SQL Server 2005 Enterprise x64 Edition (SP1) and Microsoft Windows Server 2003 Datacenter x64 Edition. (3)

IBM System Storage N5000 series is designed as reliable, powerful, scalable modular storage systems. The IBM System Storage N5000 series offers additional choice to organizations facing the challenges of enterprise data management. The IBM System Storage N5000 series is designed to deliver high-end enterprise storage and data management value with midrange affordability. Built-in enterprise serviceability and manageability features help support your efforts to increase reliability, simplify and unify storage infrastructure and maintenance, and deliver exceptional economy.

Results referenced are current as of March 21, 2006. To view all TPC results, visit www.tpc.org.

(1) In November 2005, IBM and Network Appliance, Inc., conducted the TPC Benchmark™ C on the IBM® eServer xSeries 460 configured as a client/server system and connected to a Network Appliance storage subsystem, which is now available as the IBM System Storage N5000 Series modular enterprise storage system. IBM eServer xSeries 460 with Intel Xeon Processor 7040 3.00GHz (16 processors/32 cores/64 threads), 492,307 tpmC, \$6.37 USD/tpmC, total solution availability May 20, 2006.

(2) IBM eServer xSeries 460 with Intel Xeon Processor 7040 3.00GHz (16 processors/32 cores/64 threads), 492,307 tpmC, \$6.12 USD/tpmC, total solution availability May 20, 2006.

(3) Unisys ES7000/600 Enterprise Server with Intel Xeon Processor MP at 3.33GHz with 8MB L3 cache (16 processors/16 cores/32 threads), 376,025 tpmC, \$3.97 USD/tpmC, total solution availability January 3, 2006.

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