IBM teams with Network Appliance to deliver leadership 16-processor performance on TPC-C benchmark

November 22, 2005 ... IBM® published the highest TPC-C performance result to date for an Intel® Xeon® processor-based server using 16 processors. IBM and Network Appliance, Inc., conducted the TPC Benchmark™ C on the IBM® eServer™ xSeries® 460 configured as a client/server system with attached NetApp® FAS3050 Fibre Channel storage systems.

The IBM eServer xSeries 460 server, using the new Dual-Core Intel Xeon Processor 7040 3.00GHz with 2MB L2 cache per core, and Microsoft® SQL Server 2005 Enterprise x64 Edition (SP1) have delivered leadership 16-processor performance on the industry-standard TPC-C benchmark.

The x460 server achieved 492,307 tpmC, raising the bar for 16-processor system performance on the TPC-C online transaction processing benchmark. (1) 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. (2)

Network Appliance is a world leader in unified storage solutions for today's data-intensive enterprise. Since its inception in 1992, Network Appliance has delivered technology, product, and partner firsts that simplify data management. Information about Network Appliance solutions and services is available at www.netapp.com.

Results referenced are current as of November 22, 2005. To view all TPC results, visit www.tpc.org.

(1) 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) 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.