IBM Flex System x240 and DB2 achieve more than 1.5 million transactions per minute on TPC-C benchmark—setting industry record for 2-processor performance

IBM Flex System x240 and DB2 deliver highest 2-processor performance score ever achieved on TPC-C benchmark

April 11, 2012 ... IBM® has published the highest TPC-C performance result ever achieved by a 2-processor server. This new result demonstrates the leadership performance that is possible with the combined power of IBM Flex System, DB2® 9.7, and the latest Intel® Xeon® E5 processor technology.

The IBM Flex System x240 achieved 1,503,544 tpmC (transactions per minute C) at $ 0.53 USD / tpmC. (1)
The IBM Flex System x240 Compute Node achieved this tpmC result using DB2 9.7 and Red Hat Enterprise Linux® 6.2 in a configuration with two Intel Xeon E5-2690 processors at 2.9GHz with 20MB L3 cache per processor (2 processors/16 cores/32 threads), and 768GB of memory. (2)

The IBM Flex System x240 Compute Node offers outstanding performance for virtualization with new levels of processor performance and memory capacity, and flexible configuration options. It is part of IBM PureFlex System, a new category of computing that integrates a choice of IBM compute architectures (POWER or System x), networking, storage and system management capability into a single system that is easy to deploy and manage. IBM PureFlex System has full "built-in" virtualization support of compute, storage, and networking to speed provisioning and increase resiliency. In addition, it supports open industry standards, such as operating systems, networking and storage fabrics, virtualization, and system management protocols, to easily fit within existing and future data center environments. IBM PureFlex System is scalable and extendable with multi-generation upgrades to protect and maximize IT investments.

Results referenced are current as of April 11, 2012. To view all TPC results, visit www.tpc.org. See the details for this result at: http://www.tpc.org/tpcc/results/tpcc_last_ten_results.asp

(1) The total solution availability for this TPC-C benchmark result is August 16, 2012.

(2) The IBM memory option used in the benchmark is Samsung's Green DDR3 32GB LRDIMM.