IBM posts world-record 2-processor result on Windows on two-tier SAP SD standard application benchmark

IBM System x3650 M4 and DB2 9.7 deliver leadership 2-processor result on Windows

March 6, 2012 ... IBM® today announced a new result on the two-tier SAP® Sales and Distribution (SD) standard application benchmark. The result was achieved on the IBM System x®3650 M4, configured with two Intel® Xeon® E5-2690 processors, and running IBM DB2® 9.7 and SAP enhancement package 4 for the SAP ERP application Release 6.0.

The x3650 M4 and DB2 9.7 achieved 7,855 SAP SD benchmark users with 0.99 seconds average dialog response time, 42,880 SAPS, measured throughput of 2,573,000 dialog steps per hour (or 857,670 fully business processed line items per hour), and an average CPU utilization of 99% for the central server. (1)

The x3650 M4 was configured with two Intel Xeon E5-2690 processors at 2.9GHz with 20MB L3 cache per processor (2 processors/16 cores/32 threads), 128GB of memory, 64-bit DB2 9.7, Microsoft® Windows® Server 2008 R2 Enterprise x64 Edition, and SAP enhancement package 4 for SAP ERP 6.0. The server accessed the DB2 9.7 database on an IBM System Storage® DS4700 disk system.

The IBM System x3650 M4 is the IBM flagship, 2-socket, 2U rack server optimized for performance and uptime for business-critical applications and cloud deployments. The flexible x3650 M4 features the following:

- Intel Xeon processors with up to 8 cores and up to 768GB of memory capacity for virtualization and other memory-intensive solutions.
- Optional slotless 10GbE NIC with IBM Virtual Fabric that delivers high performance for bandwidth-heavy workloads.
- Available with the IBM exclusive high-performance solid state drive technology.

Results referenced are current as of March 6, 2012. For the latest SAP benchmark results, visit: http://www.sap.com/benchmark.

(1) This benchmark fully complies with the SAP Benchmark Council regulations and has been audited and certified by SAP AG (certification number 2012010). Details can be obtained from IBM and SAP. The benchmark was performed at IBM in Research Triangle Park, NC, USA, by IBM engineers.