**IBM posts a top 2-processor result on two-tier SAP SD standard application benchmark on Windows**

*New IBM System x3650 M5 with DB2 10 delivers one of the industry's best 2-processor results on Windows with 66% performance improvement over previous-generation system*

September 8, 2014 ... Today IBM® announced a new top 2-processor result on the two-tier SAP® Sales and Distribution (SD) standard application benchmark on Windows. The result was achieved on the IBM System x3650 M5, configured with two Intel® Xeon® Processors E5-2699 v3, and running IBM DB2® 10 and SAP enhancement package 5 for the SAP ERP application Release 6.0.

The IBM System x3650 M5 achieved 16,000 SAP SD benchmark users with 0.96 seconds average dialog response time,  87,570 SAPS, measured throughput of  5,254,000 dialog steps per hour (or  1,751,330 fully business processed line items per hour), and an average CPU utilization of 99% for the central server. (1)

The x3650 M5 was configured with two Intel® Xeon® Processors E5-2699 v3 running at 2.3 GHz with 45 MB L3 cache per processor (2 processors/36 cores/72 threads), 256 GB memory, 64-bit DB2 10, Microsoft® Windows® Server 2012, and SAP enhancement package 5 for SAP ERP 6.0.

The x3650 M5 deliver FAST application performance – processing speed that is 66% faster than previous-generation systems. (2)

Engineered for Big Data & analytics, cloud computing, and other business-critical enterprise workloads, the flagship 2-socket 2U IBM System x3650 M5 rack server delivers commanding performance and versatility with industry-leading reliability and security. The x3650 M5 features Intel Xeon processors with up to 36-cores, a large capacity of high-performing IBM TruDDR4 Memory, and flexible storage configurations for workload-optimized performance. Its innovative thermal management and power design and superior security and reliability features help reduce energy costs, protect data, and maximize uptime.

For over 40 years, IBM and SAP have consistently delivered superior ROI through thousands of successful implementations. Our global business and technology solutions can help you innovate, adapt and compete.

Results referenced are current as of September 8, 2014. 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 2014030). Details can be obtained from IBM and SAP. The benchmark was performed at IBM in Research Triangle Park, NC, USA, by IBM engineers

(2) The claim of achieving 66% improvement in performance is based on comparing these latest results of the latest-generation of the IBM System x3650 M5 on the two-tier SAP SD standard application

benchmark achieved (certification number 2014030) with results achieved by the previous-generation IBM System x3650 M5 (certification number 2013022). The previous-generation system was configured (2 processors / 24 cores / 48 threads) on the Intel Xeon Processor E5-2699, 2.7 GHz, 64 KB L1 cache and 256 KB L2 cache per core, 30 MB L3 cache per processor. The server achieved 9,615 SAP SD benchmark users; average dialog response time: 0.93 seconds; 1,055,670 fully processed order line items per hour; 3,167,000 dialog steps per hour; 52,780 SAPS; average database request time (dialog/update): 0.015 sec / 0.009 sec; CPU utilization of central server: 99 percent. The server was running Windows Server 2012 Standard Edition; DB2 10; and SAP enhancement package 5 for SAP ERP 6.0.


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