

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

IBM Flex System x240 and DB2 9.7 deliver leadership 2-processor result on Windows

April 11, 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, 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 IBM Flex System x240 and DB2 9.7 achieved 7,960 SAP SD benchmark users with .98 seconds average dialog response time, 43,520 SAPS, measured throughput of 2,611,000 dialog steps per hour (or 870,330 fully business processed line items per hour), and an average CPU utilization of 99% for the central server. (1)

The IBM Flex System x240's result beats the Cisco UCS C240 M3's result of 7,635 SAP SD benchmark users and the HP Proliant DL380p Gen8's result of 7,865 SAP SD benchmark users. (2)

The IBM Flex System x240 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 Storwize® V7000 disk system.

The IBM Flex System x240 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.

The IBM Flex System x240 is a high-performance server that offers outstanding performance for virtualization with new levels of processor performance and memory capacity, and flexible configuration options.

Results referenced are current as of April 11, 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 2012016). Details can be obtained from IBM and SAP. The benchmark was performed at IBM in Research Triangle Park, NC, USA, by IBM engineers.

(2) Statement of comparison is based on highest-performing competitive systems on Windows using two Intel Xeon processors and running the SAP enhancement package 4 for SAP ERP 6.0.

Minimum data for the Cisco UCS C240 M3 results on the two-tier SAP SD standard application benchmark: 2 processors / 16 cores / 32 threads, Intel Xeon Processor E5-2690, 2.90 GHz, 64 KB L1 cache and 256 KB L2 cache per core, 20 MB L3 cache per processor, 128GB main memory, Windows Server 2008 R2 Datacenter Edition, SQL Server 2008, and SAP enhancement package 4 for SAP ERP 6.0. Certification number 2012011.

Minimum data for the HP Proliant DL380p Gen8 results on the two-tier SAP SD standard application benchmark: 2 processors / 16 cores / 32 threads, Intel Xeon Processor E5-2690, 2.90 GHz, 64 KB L1 cache and 256 KB L2 cache per core, 20 MB L3 cache per processor,

128GB main memory, Windows Server 2008 R2 Enterprise Edition, SQL Server 2008, and SAP enhancement package 4 for SAP ERP 6.0. Certification number 2012012.

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