IBM posts SPECjEnterprise2010 score for System x3850 X5

IBM® System x® 3850 X5 delivers leadership 4-processor, single-node result for SPECjEnterprise2010™

April 27, 2010 ... IBM continues its industry leadership with the publication of a 4-processor, single-node result for the new SPECjEnterprise2010 benchmark—5,140.53 Enterprise jAppServer Operations Per Second (SPECjEnterprise2010 EjOPS).

This score was achieved using the IBM System x3850 X5 as the application server running IBM WebSphere® Application Server V7 as the middle tier and an IBM System x3850 X5 as the database server running IBM DB2® 9.7 Enterprise Server. With this SPECjEnterprise2010 result, IBM demonstrates its ability not only to provide both software and hardware for an optimal solution in the middle tier and in the backend database layer, but also to deliver a robust solution for clients' complex workloads.

The benchmarked configuration consisted of an IBM System x3850 X5, which was configured with the 8-core Intel® Xeon® Processor X7560 (2.26GHz, 24MB L3 cache per processor—32 cores/4 chips/8 cores per chip) and 128GB of memory, and ran WebSphere Application Server V7, IBM J9 Java™6 Runtime Environment, and Novell SUSE Linux® Enterprise Server 10 SP3. An IBM System x3850 X5 system was used as the database server, which used two 8-core Intel Xeon X7560 processors (2.26GHz, 24MB L3 cache per processor—16 cores/2 chips/8 cores per chip) and 128GB of memory, and ran IBM DB2 9.7 Enterprise Server and Novell SUSE Linux Enterprise Server 10 SP3. (1)

The x3850 X5 server leverages fifth-generation IBM Enterprise X-Architecture®, delivering innovation with enhanced reliability and availability features to enable optimal performance for databases, enterprise applications, and virtualized environments. The x3850 X5 is a versatile 4-socket, 4U rack-optimized scalable enterprise server that supports up to 1TB of memory. In addition to higher levels of function than its predecessors, the x3850 X5 offers up to 8-socket (64-core) SMP operations with powerful 4-, 6-, and 8-core Intel Xeon MP processors and up to 3TB of system memory in an 8-socket (64-core) complex. This system is ideal for clients who require additional SMP capability or greater scalability for future growth.

The SPECjEnterprise2010 benchmark is a full system benchmark that allows performance measurement and characterization of Java EE 5 and supporting infrastructure such as JVM, database, processors, disk and servers. The benchmark workload emulates an automobile dealership, manufacturing, supply chain management (SCM) and order/inventory system. The performance metric is Enterprise jAppServer Operations Per Second (SPECjEnterprise2010 EJOPS), which is calculated by adding the metrics of the dealership management application in the dealer domain and the manufacturing application in the manufacturing domain. For a complete description of the benchmark, go to http://www.spec.org/jEnterprise2010/.

Result referenced is current as of April 27, 2010. View all published results at: http://www.spec.org/jEnterprise2010/results/jEnterprise2010.html

(1) The x3850 X5 model using the Intel Xeon X7560 processor is generally available. The system as configured for the benchmark will be available May 31, 2010.

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