IBM posts SPECjEnterprise2010 score for BladeCenter HS22 cluster

HS22 blade cluster delivers first multi-node result for SPECjEnterprise2010

January 7, 2010 ... IBM® is the first vendor to publish results for the new SPECjEnterprise2010™ benchmark, which enables performance measurement and characterization of Java™ Enterprise Edition (Java EE) 5.0 servers and supporting infrastructure. The IBM BladeCenter® HS22, using IBM WebSphere® and IBM DB2®, achieved an 8-node result of 7,903.16 Enterprise jAppServer Operations Per Second (SPECjEnterprise2010 EjOPS).

The score demonstrates IBM's industry leadership in delivering a robust, integrated solution that can handle complex workloads without sacrificing performance. The IBM BladeCenter HS22 cluster ran IBM WebSphere Application Server V7 as the middle tier and the IBM System x3850 M2 functioned as the database server running IBM DB2 9.7 Enterprise Server Edition. Both the middle tier and the backend database layers were hosted on Linux®.

The benchmarked configuration consisted of an IBM BladeCenter with eight HS22 application server nodes, each of which was configured with the Quad-Core Intel® Xeon® Processor X5570 at 2.93GHz with 256KB L2 cache per core and 8MB L3 cache per processor (8 cores/2 chips/4 cores per chip) and 16GB of memory, and ran WebSphere Application Server V7, IBM J9 Java 6 Runtime Environment, and Novell SUSE Linux Enterprise Server 10 SP2. An IBM System x3850 M2 system was used as the database server, which was configured with the Intel Xeon Processor X7460 at 2.66GHz with 9MB L2 cache and 16MB L3 cache (24 cores/4 chips/6 cores per chip) and 64GB of memory, and ran IBM DB2 9.7 Enterprise Server Edition and Novell SUSE Linux Enterprise Server 10 SP2.

The SPECjEnterprise2010 benchmark is a full system benchmark that allows performance measurement and characterization of JEE 5.0 servers 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. Performance is measured in SPECjEnterprise2010 by a metric called EjOPS (jEnterprise Operations Per Second). The metric is derived by adding the operations per second in the dealer domain to the work orders per second in the manufacturing domain. For a complete description of the benchmark, go to http://www.spec.org/jEnterprise2010/.

Result referenced is current as of January 7, 2010. View all published results at: http://www.spec.org/jEnterprise2010/results/jEnterprise2010.html