

IBM publishes world-record SPECjAppServer2004 result on Linux

November 6, 2008 ... IBM® has published an industry-leading score of 20,178.61 JOPS@Standard for the SPECjAppServer2004 Standard benchmark. This world-record score was achieved on an IBM BladeCenter® HS21 blade cluster with IBM's latest WebSphere® middleware technology, IBM DB2® 9.5 and Red Hat Linux®.

The score of 20,178.61 JOPS, together with previously published SPECjAppServer2004 results, demonstrates IBM's ongoing commitment to providing scalable J2EE-compliant middleware as part of a solution that exploits the strengths of its IBM System x and BladeCenter servers, IBM DB2, and IBM WebSphere software.

The benchmarked configuration consisted of 16 BladeCenter HS21 blade systems used as application server nodes. Each HS21 blade used two Quad-Core Intel® Xeon® X5470 3.33GHz processors (total of 128 cores, 32 chips, 4 cores/chip) and ran WebSphere Application Server V7 and Red Hat Enterprise Linux 5 Server Update 2. The BladeCenter cluster used one IBM System p™5 595 as the database server, which ran IBM DB2 9.5 and IBM AIX® 5L v5.3 TL8.

The SPECjAppServer2004 benchmark reflects the rigors of complex applications and high-volume transaction processing that are typical in today's customer environments. The test spans all major components of the application server, including Web serving, Enterprise Java™ Beans and messaging, and includes hardware, application server software, Java Virtual Machine software, database software and a systems network.

IBM's submission involved more than 157,000 concurrent clients and produced more than 20,000 complex business transactions per second, which translates into more than 72.5 million transactions over the course of the benchmark's one-hour runtime.

This submission represents IBM's ability to provide a complete end-to-end solution that brings together IBM BladeCenter and System p servers, middleware (WebSphere on Linux), and database (DB2 on AIX). Moreover, this SPECjAppServer2004 result was achieved on a configuration in which the workload driver, the Web server, the application server, and the message server ran on Linux, demonstrating IBM's continued commitment to an open-source strategy.

For all published SPECjAppServer2004 results, visit:
www.spec.org/jAppServer2004/results/jAppServer2004.html

Results referenced are current as of November 6, 2008.

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