IBM BladeCenter HS22 blade achieves competitive 2-processor scores running SPEC CPU2006 benchmark suite

March 30, 2009 ... The IBM® BladeCenter® HS22 offers excellent performance balanced with flexible configuration options and simple management in an efficient server designed to run a wide range of workloads, including infrastructure, virtualization, and enterprise applications. The HS22 supports up to two Intel® Xeon® 5500 series processors.

In recent measurements, the HS22 demonstrated competitive performance for a 2-socket Intel processor-based system on the SPEC CPU2006 benchmark suite.

For the SPECint2006 and SPECfp2006 runs, the HS22 was configured with two Quad-Core Intel Xeon X5570 processors (2.93GHz, 256KB L2 cache per core and 8MB L3 cache per processor—2 processors/8 cores/16 threads), 12GB of DDR3 PC3-10600R memory, and SUSE Linux® Enterprise Server 10 x64 SP2.

For the rate runs, the HS22 was configured with two Quad-Core Intel Xeon X5570 processors (2.93GHz, 256KB L2 cache per core and 8MB L3 cache per processor—2 processors/8 cores/16 threads), 24GB of DDR3 PC3-10600R memory, and Red Hat Enterprise Linux Server 5 Update 3. (1)

The scores in the following table are the first SPEC CPU2006 results published for this HS22 processor model.

SPEC CPU2006 Benchmark	HS22 – Quad-Core Intel Xeon Processor X5570 (2.93GHz, 256KB L2 Cache per Core, 8MB L3 Cache per Processor)
SPECint®2006	34.9
SPECint_rate2006	252
SPECint_rate_base2006	235
SPECfp®2006	39.6
SPECfp_rate2006	194
SPECfp_rate_base2006	190

Results are current as of March 30, 2009. The scores have been submitted to SPEC for review and will be posted on their Web site upon successful completion of the review. View all published results at www.spec.org.

(1) The HS22 model using the Quad-Core Intel Xeon X5570 processor is planned to be generally available March 31, 2009.

IBM, BladeCenter and X-Architecture are trademarks or registered trademarks of International Business Machines Corporation.
Intel and Xeon are trademarks or registered trademarks of Intel Corporation.
Red Hat is a trademark of Red Hat, Inc.
Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.
SPEC, SPECfp, and SPECint are registered trademarks of the Standard Performance Evaluation Corporation (see http://www.spec.org/spec/trademarks.html for all SPEC trademarks and service marks).
All other company/product names and service marks may be trademarks or registered trademarks of their respective companies.