

IBM posts SPEC CPU2006 scores for BladeCenter HS22V blade server

July 6, 2010 ... IBM® today announces SPEC® CPU2006 benchmark scores for the IBM BladeCenter® HS22V blade server using the new Intel® Xeon® Processor 5600 Series. The HS22V demonstrated competitive performance on the SPEC CPU2006 benchmark suite.

For the SPECint_rate2006, SPECint_rate_base2006, SPECfp_rate2006 and SPECfp_rate_base2006 benchmark measurements, the HS22V was configured with two Intel Xeon X5680 processors (3.33GHz, 256KB L2 cache per core and 12MB L3 cache per processor—2 processors/12 cores/24 threads), 48GB (12 x 4GB) of DDR3 PC3-10600R memory, and SUSE Linux® Enterprise Server 11 x64. (1)

For the SPECint@2006, SPECint_base2006, SPECfp@2006 and SPECfp_base2006 benchmark measurements, the HS22V was configured with two Intel Xeon X5680 processors (3.33GHz, 256KB L2 cache per core and 12MB L3 cache per processor—2 processors/12 cores/24 threads), 24GB (12 x 2GB) of DDR3 PC3-10600R memory, and SUSE Linux Enterprise Server 11 x64.

The scores in the following table are the first SPEC CPU2006 results published for this HS22V processor model.

SPEC CPU2006 Benchmark	IBM BladeCenter HS22V with Two Intel Xeon Processor X5680 – 3.33GHz
SPECint2006	41.7
SPECint_base2006	38.6
SPECint_rate2006	377
SPECint_rate_base2006	352
SPECfp2006	47.7
SPECfp_base2006	44.6
SPECfp_rate2006	254
SPECfp_rate_base2006	246

The IBM BladeCenter HS22V is a high-density blade that offers outstanding performance for virtualization with new levels of memory capacity and processor performance. The HS22V blade is optimized for virtualization with 18 DIMM slots supporting up to 144 GB of DDR3 memory for more and larger virtual machines per blade. The HS22V is powered by the latest Intel Xeon 5600 and 5500 Series processors.

Results are current as of July 6, 2010. 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 <http://www.spec.org/cpu2006/results/>.

(1) The HS22V model using the Intel Xeon X5680 processor is planned to be generally available August 6, 2010. The HS22V as configured for this benchmark will be available August 23, 2010.

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