

IBM posts SPEC CPU2006 scores for x3690 X5

x3690 X5 delivers leadership scores for a two-socket x86 server

April 6, 2011 ... IBM® has published SPEC® CPU2006 benchmark scores for the IBM System x® 3690 X5 server featuring eX5, the fifth generation of IBM X-Architecture®, and the new Intel® Xeon® E7-2800 Series processors.

The x3690 X5 delivered SPECint_rate_base2006, SPECint_rate2006, SPECfp_rate_base2006, and SPECfp_rate2006 scores that are leadership for a two-socket x86 system. SPECfp_base2006 and SPECfp@2006 scores are leadership for an x86 server using two E7-2870 processors; the SPECint_base2006 and SPECint@2006 scores are competitive.

The x3690 X5 was configured with two Intel Xeon E7-2870 processors (2.40GHz, 30MB L3 cache per processor—2 processors/20 cores/40 threads), 256GB of DDR3 PC3-8500R memory, and SUSE Linux® Enterprise Server 11 SP1 x64. (1) The scores in the following table are the first SPEC CPU2006 results published for this x3690 X5 processor model.

SPEC CPU2006 Benchmark	Two Intel Xeon E7-2870 Processors – 2.40GHz
SPECint2006	36.2
SPECint_base2006	33.4
SPECint_rate2006	546
SPECint_rate_base2006	508
SPECfp2006	50.9
SPECfp_base2006	46.5
SPECfp_rate2006	374
SPECfp_rate_base2006	360

The x3690 X5 server is a new generation of the IBM Enterprise X-Architecture, delivering innovative technology that can help clients maximize memory, minimize cost, and simplify deployment. The x3690 X5 is a 2-socket, 2U rack server that supports the latest 4-, 6-, 8- and 10-core Intel Xeon processors, PCI-e architecture, and high-speed DDR3 memory. Designed for extremely complex, compute-intensive applications requiring 2-socket plus processing power and large memory support, they are ideal for virtualized environments, database applications, and enterprise computing applications.

Results are current as of April 6, 2011. 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 x3690 X5 model using the Intel Xeon E7-2870 processor is planned to be generally available May 20, 2011. The x3690 X5 as configured for this benchmark will be available May 20, 2011.

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