

IBM posts SPEC CPU2006 scores for x3690 X5

x3690 X5 delivers leadership scores for a system using two Intel Xeon X7560 processors

July 6, 2010 ... 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® 7500 Series processors.

The x3690 X5 delivered SPECint®2006, SPECint_rate2006, SPECint_base2006, SPECint_rate_base2006, SPECfp®2006, SPECfp_rate2006 and SPECfp_base2006 scores that are leadership for a server using two Intel Xeon X7560 processors. The x3690 X5's SPECfp_rate_base2006 score was competitive.

The x3690 X5 was configured with two Intel Xeon X7560 processors (2.26GHz, 24MB L3 cache per processor—2 processors/16 cores/32 threads), 128GB of DDR3 PC3-8500R memory, and SUSE Linux® Enterprise Server 11 x64. (1)

The scores in the following table are the first SPEC CPU2006 results published for this x3690 X5 processor model.

SPEC CPU2006 Benchmark	IBM System x3690 X5 with Two Intel Xeon X7560 Processors – 2.26GHz
SPECint2006	32.2
SPECint_base2006	28.9
SPECint_rate2006	390
SPECint_rate_base2006	364
SPECfp2006	37.9
SPECfp_base2006	35.1
SPECfp_rate2006	284
SPECfp_rate_base2006	275

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. This new addition to the System x product line is a 2-socket, 2U rack server that supports the latest 4-, 6- and 8-core Intel Xeon processors, PCI-e architecture, and high-speed DDR3 memory. Designed for extremely complex, compute-intense 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 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 x3690 X5 model using the Intel Xeon X7560 processor is planned to be generally available August 23, 2010. The x3690 X5 as configured for this benchmark will be available August 23, 2010.

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