

IBM posts SPEC CPU2000 scores for new xSeries servers

September 27, 2005 ... IBM® has announced new xSeries® servers that use the latest Intel® Xeon™ processors with Extended Memory 64 Technology (EM64T) now available at 2.8GHz and 3.8GHz/800 MHz with a 2MB L2 cache. These new server models have demonstrated solid performance on SPEC CPU2000, which comprises the SPEC CINT2000 and SPEC CFP2000 benchmark suites.

Results achieved with the 3.8GHz/2MB Intel Xeon processor are either leadership (in blue) or second only to the score of another xSeries model. Scores for the x236, x336 and x346 are summarized in the following table.

Benchmark	x236 3.8GHz Scores	x336 3.8GHz Scores	x346 3.8GHz Scores
SPECint	1,821	1,820	1,820
SPECint_rate2000 (1 Processor)	23.06	23.1	23.12
SPECint_rate2000 (2 Processors)	42.86	42.9	42.91
SPECfp	1,934	1,932	1,932
SPECfp_rate2000 (1 Processor)	22.41	22.42	22.42
SPECfp_rate2000 (2 Processors)	33.32	33.32	33.27

The scores in the following table are the first SPEC CPU2000 results published for the x226, x236, x336 and x346 models using the 2.8GHz/2MB Intel Xeon processor.

Benchmark	x226 2.8GHz Scores	x236 2.8GHz Scores	x336 2.8GHz Scores	x346 2.8GHz Scores
SPECint	1,387	1,387	1,387	1,386
SPECint_rate2000 (1 Processor)	17.73	17.72	17.71	17.74
SPECint_rate2000 (2 Processors)	33.69	33.61	32.59	33.62
SPECfp	1,594	1,590	1,589	1,588
SPECfp_rate2000 (1 Processor)	18.48	18.42	18.43	18.43
SPECfp_rate2000 (2 Processors)	29.62	29.51	29.43	29.49

All these results were achieved using Microsoft® Windows® Server 2003.

Results are current as of September 27, 2005. 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 results at www.spec.org.

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