IBM posts SPEC CPU2006 scores for next-generation System x scalable server

System x3850 M2 delivers leadership 4-socket SPECint_rate_base2006 score

September 5, 2007 ... IBM® has published new benchmark results for the next-generation System x™ 3850 server, a 4-socket scalable system that incorporates Quad-Core Intel® Xeon® Processor technology.

The IBM System x3850 M2 combines unmatched 64-bit performance, more flexible XpandOnDemand™ modular scalability supporting scalable processors, memory, and I/O and enhanced mission-critical availability to deliver an optimized solution for scale-up virtualization/ database, and enterprise applications, including ERP and CRM solutions.

In SPEC CPU2006 measurements, the x3850 M2 achieved a leadership 4-socket SPECin_rate_base2006 score. Other scores are competitive for a 4-socket server running SPEC CPU2006 benchmark suites: CINT2006, which measures compute-intensive integer performance, and CFP2006, which measures compute-intensive, floating-point performance.

The x3850 M2 used the Quad-Core Intel Xeon Processor X7350 (2.93GHz, 2 x 4MB L2 cache per core—4 processors/16 cores/16 threads) and SUSE Linux Enterprise Server 10 SP1. (1) The scores in the following table are the first SPEC CPU2006 results published for this x3850 M2 processor model.

SPEC CPU2006 Benchmark	**x3850 M2 – Quad-Core Intel Xeon Processor X7350 (2.93GHz, 2 x 4MB L2 Cache)**
SPECint_rate2006	211
SPECint_rate_base2006	184
SPECfp_rate2006	113
SPECfp_rate_base2006	106

Results are current as of September 5, 2007. 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) Planned availability for the x3850 M2 model using the Quad-Core Intel Xeon Processor X7350 (2.93GHz, 2 x 4MB L2 cache) is November 30, 2007.