IBM posts SPEC CPU2006 scores for x3630 M3 server

x3630 M3 delivers competitive performance for compute-intensive applications

August 31, 2010 ... IBM® today announces SPEC® CPU2006 benchmark scores for the new IBM System x® 3630 M3 server using the Intel® Xeon® Processor 5600 Series.

Configured with the Intel Xeon Processor X5670, the x3630 M3 delivered competitive scores on the SPEC CPU2006 benchmark suite. The x3630 M3 was configured with two Intel Xeon X5670 processors (2.93GHz, 256KB L2 cache per core and 12MB L3 cache per processor—2 processors/12 cores/24 threads), 48GB of DDR3 PC3-10600R memory, and SUSE Linux® Enterprise Server 11 Service Pack 1 x64. (1)

The scores in the following table are the first SPEC CPU2006 results published for this x3630 M3 processor model.

SPEC CPU2006 Benchmark	IBM System x3630 M3 Six-Core Intel Xeon Processor X5670 – 2.93GHz
SPECint®2006	39.4
SPECint_base2006	36.7
SPECint_rate2006	356
SPECint_rate_base2006	332
SPECfp®2006	45.4
SPECfp_base2006	42.8
SPECfp_rate2006	244
SPECfp_rate_base2006	235

The new System x3630 M3 server models offer new levels of fast Intel Xeon multicore processors with up to 6.4 GT/s and lower power for datacenter environments and collaboration applications. This server is uniquely optimized for better application computing with a highly functional chipset and twelve DIMM slots for a maximum of 96 GB of ECC DDR3 SDRAM. The IBM System x3630 M3 is a 2U, dual-socket rack server designed for single or multiple general-business application hosting and virtualized non-blade environments.

Results are current as of August 31, 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 x3630 M3 model using the Intel Xeon X5670 processor is planned to be generally available September 15, 2010. The x3630 M3 as configured for this benchmark will be available September 15, 2010.