IBM posts SPEC CPU2006 scores for IBM NeXtScale nx360 M4

IBM NeXtScale nx360 M4 demonstrates excellent performance for compute-intensive applications

September 10, 2013 ... IBM® today announces SPEC® CPU2006 benchmark scores for the IBM NeXtScale nx360 M4 server using the 12-core Intel® Xeon® Processor E5-2697 v2.

The nx360 M4 delivered competitive scores using two Intel Xeon E5-2697 v2 processors (2.7 GHz, 30 MB L3 cache per processor—2 processors/24 cores/48 threads), 128 GB of DDR3 PC3-14900R memory, and Red Hat Enterprise Linux® Server Release 6.4 x64. (1)

The scores in the following table are the first SPEC CPU2006 results published for this nx360 M4 processor model.

SPEC CPU2006 Benchmark	Intel Xeon Processor E5-2697 v2 – 2.7 GHz (12 cores)
SPECint_rate2006	948
SPECint_rate_base2006	918
SPECfp_rate2006	676
SPECfp_rate_base2006	655

IBM® NeXtScale System™ is a new dense offering from IBM. It is based on our experience with IBM iDataPlex® and IBM BladeCenter® along with a tight focus on emerging and future client requirements. The IBM NeXtScale n1200 enclosure and IBM NeXtScale nx360 M4 server are designed to optimize density and performance within typical data center infrastructure limits. The 6U NeXtScale n1200 enclosure fits in a standard 19-inch rack and up to twelve nx360 M4 servers can be installed into the enclosure. With more computing power per watt and the latest Intel Xeon processors, you can reduce costs while maintaining speed and availability.

Results are current as of September 10, 2013. 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 nx360 M4 models with the Intel Xeon Processor E5-2697 v2 is planned to be generally available October 28, 2013. The nx360 M4 as configured for this benchmark will be available October 28, 2013.