

IBM posts SPEC CPU2006 scores for IBM NeXtScale nx360 M5

IBM NeXtScale nx360 M5 demonstrates excellent performance for compute-intensive applications

September 8, 2014 ... IBM® today announces SPEC® CPU2006 benchmark scores for the IBM NeXtScale nx360 M5 server using the 18-core Intel® Xeon® Processor E5-2699 v3.

The nx360 M5 delivered competitive scores using two Intel Xeon E5-2699 v3 processors (2.3 GHz, 45 MB L3 cache per processor—2 processors/36 cores/72 threads), 256 GB of DDR4 PC4-2133P memory, and Red Hat Enterprise Linux® Server Release 6.5 x64. (1)

The scores in the following table are the first SPEC CPU2006 results published for this nx360 M5 processor model.

SPEC CPU2006 Benchmark	Intel Xeon Processor E5-2699 v3 – 2.3 GHz (18 cores)
SPECint_rate2006	1340
SPECint_rate_base2006	1380
SPECfp_rate2006	910
SPECfp_rate_base2006	935

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 M5 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 M5 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 9, 2014. 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 M5 models with the Intel Xeon Processor E5-2699 v3 is planned to be generally available November 19, 2014. The nx360 M5 as configured for this benchmark will be available November 19, 2014.

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