IBM posts SPECpower score for the IBM NeXtScale nx360 M4

IBM NeXtScale nx360 M4 demonstrates superior power efficiency with performance per watt

September 10, 2013 ... IBM® today announces a SPECpower® benchmark result for the IBM NeXtScale nx360 M4 server. Demonstrating exceptional performance per watt, the nx360 M4 server achieved the following performance to power ratio on the SPECpower_ssj™2008 benchmark:

- 7,347 overall ssj_ops/watt

Using the Intel® Xeon® Processor E5-2660 v2 (95W), the nx360 M4 has demonstrated that it can deliver outstanding performance and reduce energy consumption in the data center.

The nx360 M4 was configured with the Intel Xeon Processor E5-2660 v2 (2.2 GHz with 25 MB L3 cache per processor—2 chips/20 cores/10 cores per chip), 24 GB of memory, and IBM J9 Java 7 (using a 1500 MB heap), and Microsoft® Windows® Server 2012 Datacenter Edition. (1)

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.

Result referenced is current as of September 10, 2013, and has been submitted to SPEC® for review. Upon successful review, the result will be posted at www.spec.org. View all published results at www.spec.org/power_ssj2008/results/power_ssj2008.html.

(1) The nx360 M4 model using the Intel Xeon Processor E5-2660 v2 is planned to be generally available October 28, 2013. The nx360 M4 as configured for this benchmark will be available December 9, 2013.