IBM posts SPEC CPU2006 scores for IBM Flex System x440

IBM Flex System x440 delivers competitive 4-processor performance for compute-intensive applications

August 7, 2012 ... IBM® today announces SPEC® CPU2006 benchmark scores for the IBM Flex System x440 server using the 8-core Intel® Xeon® Processor E5-4650.

The IBM Flex System x440 delivered competitive scores using four Intel Xeon E5-4650 processors (2.7GHz, 20MB L3 cache per processor—4 processors/32 cores/64 threads), 256GB of DDR3 PC3-12800R memory, and Red Hat Enterprise Linux® 6 Server x64 Edition, Update 2. (1)

The scores in the following table are the first SPEC CPU2006 results published for the IBM Flex System x440.

SPEC CPU2006 Benchmark	Result
SPECint®2006	52.6
SPECint_base2006	48.6
SPECint_rate2006	1230
SPECint_rate_base2006	1180
SPECfp®2006	78.6
SPECfp_base2006	73.5
SPECfp_rate2006	888
SPECfp_rate_base2006	863

The IBM Flex System™ x440 Compute Node is an Intel-processor based server optimized for high-end virtualization, mainstream database deployments, and memory-intensive high performance environments. It is part of IBM PureFlex System, a new category of computing that integrates a choice of IBM compute architectures (POWER or System x), networking, storage and system management capability into a single system that is easy to deploy and manage. IBM PureFlex System has full "built-in" virtualization support of compute, storage, and networking to speed provisioning and increase resiliency. In addition, it supports open industry standards, such as operating systems, networking and storage fabrics, virtualization, and system management protocols, to easily fit within existing and future data center environments. IBM PureFlex System is scalable and extendable with multi-generation upgrades to protect and maximize IT investments.

Results are current as of August 7, 2012. 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 x440 model using the Intel Xeon Processor E5-4650 is planned to be generally available August 24, 2012. The x440 as configured for this benchmark will be available August 24, 2012.