IBM posts leadership SPECjbb2005 score for 4-socket BladeCenter LS42 server

July 28, 2009 ... IBM® BladeCenter® LS42, using IBM J9 Java™6 Runtime Environment, achieved a leadership result for a 4-socket blade server. The LS42 scored 977,504 SPECjbb2005® business operations per second (SPECjbb2005 bops) and 244,376 SPECjbb2005 bops/JVM, running SPECjbb2005 (Java Business Benchmark), the SPEC® benchmark for evaluating the performance of servers running typical Java applications.

In addition to the LS42's leadership 4-processor score, the LS42 also delivered a leadership 2-processor score of 521,681 SPECjbb2005 bops (130,420 SPECjbb2005 bops/JVM), which demonstrates excellent scalability from 2 to 4 processors of 87.4 percent. The 2-processor score is leadership for a server using two AMD Opteron™ Model 8435 six-core processor at 2.6GHz.

For the 4-processor score, the LS42 was configured with the AMD Opteron Model 8435 six-core processor at 2.6GHz with 512KB L2 cache per core and 6MB L3 cache per processor (4 chips/24 cores/6 cores per chip), 64GB of memory, one 73GB disk drive, IBM J9 Java 6 Runtime Environment (using a 1875MB heap), and Microsoft® Windows® Server 2008 Enterprise x64 Edition SP1.

For the 2-processor score, the LS42 was configured with the AMD Opteron Model 8435 six-core processor at 2.6GHz with 512KB L2 cache per core and 6MB L3 cache per processor (2 chips/12 cores/6 cores per chip), 32GB of memory, one 73GB disk drive, IBM J9 Java 6 Runtime Environment (using a 1875MB heap), and Microsoft Windows Server 2008 Enterprise x64 Edition SP1.

BladeCenter LS42 blade servers, coupled with the BladeCenter chassis, deliver advanced application serving with performance, power efficiency, and scalability, making them ideal for enterprise environments and growing businesses.

Results referenced are current as of July 28, 2009. The SPECjbb2005 results have been submitted to SPEC for review. Upon successful review, the result will be posted at www.spec.org, which contains a complete list of published SPECjbb2005 results.

(1) Planned availability for the LS42 blade model using the six-core AMD Opteron Model 8435 processor at 2.6GHz is September 4, 2009.