IBM posts SPECjbb2005 benchmark scores for IBM Flex System x222 Compute Node

x222 Compute Node delivers competitive 2-processor performance for Java-based applications

August 6, 2013 ... IBM® today announces SPECjbb®2005 benchmark results for the IBM Flex System x222 Compute Node. Using one of the two independent servers in the compute node, the x222 achieved the following scores running SPECjbb2005 (Java Business Benchmark), the SPEC® benchmark used for evaluating the performance of servers running typical Java applications. The result used the IBM J9 Java™7 Runtime Environment.

- 1,363,204 SPECjbb2005 business operations per second (SPECjbb2005 bops)
- 170,401 SPECjbb2005 bops/JVM (total of eight JVMs)

Each of the two independent servers in the x222 Compute Node was configured with the Intel® Xeon® Processor E5-2470 (2.3GHz with 20 MB L3 cache per processor—2 chips/16 cores/8 cores per chip), 96 GB of memory, one 100 GB disk drive, and IBM J9 Java 7 (using a 1875 MB heap), and Microsoft® Windows® Server 2008 R2 Enterprise Edition SP1. (1)

The x222 Compute Node is a cost-optimized double density Compute Node, designed for energy-efficiency, it is ideal for Virtual Desktop Infrastructure, Server Virtualization and Cloud Computing application workloads. The x222 is comprised of two independent two-socket servers. The x222 double density design allows up to 28 servers to be housed in a single 10U Flex System Enterprise Chassis. It is part of IBM Flex System, a new category of computing that integrates multiple server architectures, networking, storage and system management capability into a single system that is easy to deploy and manage. IBM Flex System has full "built-in" virtualization support of servers, 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 Flex System is scalable and extendable with multi-generation upgrades to protect and maximize IT investments.

Results referenced are current as of August 6, 2013. The SPECjbb2005 results have been submitted to SPEC for review. Upon successful review, the result will be posted at www.spec.org. View current SPECjbb2005 results at http://www.spec.org/jbb2005/results.

(1) The x222 model using the Intel Xeon Processor E5-2470 is planned to be generally available September 10, 2013. The x222 as configured for this benchmark will be available September 10, 2013.

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