

IBM BladeCenter HS22 delivers best SPECweb2005 score ever achieved by a blade server

HS22 beats HP and Sun rack systems configured with two Intel Xeon X5570 processors

October 6, 2009 ... IBM® BladeCenter® HS22 has demonstrated leadership SPECweb®2005 performance for a blade server. In recent measurements, the HS22 achieved a supermetric score of 75,155—the highest score ever achieved by a blade server. SPECweb2005 is the SPEC® benchmark used for evaluating the performance of World Wide Web Servers.

The HS22's score also surpasses SPECweb2005 scores achieved by HP and Sun 2-socket rack systems configured with two Intel® Xeon® X5570 processors. (1)

The supermetric score is derived from the submetric scores of the three workloads measured:

- SPECweb2005_Banking – 109,200 simultaneous sessions
- SPECweb2005_Ecommerce – 134,472 simultaneous sessions
- SPECweb2005_Support – 64,064 simultaneous sessions

The HS22 achieved these results using two Quad-Core Intel Xeon Processor X5570 (2.93GHz with 256KB L2 cache per core and 8MB L3 cache per processor—2 processors/8 cores/8 threads). The HS22 was also configured with 96GB of memory, the Red Hat Enterprise Linux® 5.4 operating system, IBM J9 Java® Virtual Machine, 64-bit Accoria Rock Web Server 1.4.9 (x86_64) HTTPS software, and Accoria Rock JSP/Servlet Container 1.3.2 (x86_64). The configuration also used two BLADE RackSwitch G8000s from Blade Network Technologies.

The IBM BladeCenter HS22 blade server offers excellent performance balanced with flexible configuration options and simple management in an efficient server designed to run a wide range of workloads, including infrastructure, virtualization, and enterprise applications. The HS22 supports up to two Intel Xeon 5500 series processors.

Results are current as of October 6, 2009, and have been submitted to SPEC for review and will be posted on their Web site upon successful completion of the review. View all SPECweb2005 published results at <http://www.spec.org/osg/web2005>.

(1) Statements of comparison are based on highest scores obtained on 2-socket blade or Xeon X5570 processor-based rack systems shipping from HP and Sun Microsystems.

HP ProLiant DL380 G6—SPECweb2005 score: 75,023 score, Quad-Core Intel Xeon Processor X5570 (2.93GHz with 256KB L2 cache per core and 8MB L3 cache per processor—2 processors/8 cores/8 threads), 96GB memory, RedHat Enterprise Linux 5.3, Rock Web Server v1.4.7 (x86_64), and Rock JSP/Servlet Container v1.3.2 (x86_64).

Sun Fire X4270—SPECweb2005 score: 72,528, Quad-Core Intel Xeon Processor X5570 (2.93GHz with 256KB L2 cache per core and 8MB L3 cache per processor—2 processors/8 cores/8 threads), 72GB memory, Red Hat Enterprise Linux 5.3, Rock Web Server v1.4.7 (x86_64), and Rock JSP/Servlet Container v1.3.2 (x86_64).

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