

## IBM solution demonstrates excellent performance and price/performance on SPECjAppServer2002 MultipleNode benchmark

December 4, 2003 ... IBM® has published a new score for the SPECjAppServer2002 MultipleNode benchmark on a clustered configuration that used nine IBM eServer® xSeries® 335 as Web application servers. Each x335 used two Intel® 3.2GHz Xeon™ processors and ran WebSphere® 5.1 Application Server and SuSE Linux Enterprise Server 8 SP2A.

The x335 cluster achieved 2,575.34 TOPS@MultipleNode at price/performance of \$330.59/TOPS@MultipleNode, easily outshining Sun Microsystems Sun Fire V65x's score of 2,408.73 TOPS@MultipleNode at price/performance of \$700.08/TOPS@MultipleNode. Notably, the x335 cluster delivered higher performance at less than half the cost of the Sun configuration.

The x335 cluster used an IBM eServer® pSeries® 650 as the database server, which used eight 1.45GHz POWER4+ processors and ran IBM DB2® Universal Database 8.1.1.32 FP4 Enterprise Server and IBM AIX® 5L v5.2.

For the current SPECjAppServer2002 results, visit [www.spec.org](http://www.spec.org).

Results referenced are current as of December 4, 2003.

(1) SPECjAppServer2002 is an industry-standard benchmark designed to measure the performance of J2EE application servers. SPECjAppServer2002 mainly tests the Enterprise JavaBeans (EJB) container in a J2EE 1.3 compatible server. It does not exercise all components of J2EE 1.3. The most significant influences on the performance of the benchmark are the hardware configuration, the J2EE software, the JVM software, and the database software. The benchmark was designed to stress the J2EE server. However, as this is a solutions based benchmark other components (such as the database server) are stressed as well. The benchmark workload emulates a manufacturing, supply chain management (SCM) and order/inventory system. SPECjAppServer2002 expresses performance in terms of two metrics:

- **TOPS** (Total Operations Per Second) which is the number of order transactions plus the number of manufacturing work orders divided by the measurement period in seconds.
- **Price/TOPS** which is the price of the System Under Test (including hardware, software, and support) divided by the TOPS.

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