

xSeries, WebSphere Application Server and DB2 team up to deliver leading SPECjAppServer2002 performance result

February 21, 2003 ... IBM® has published its second performance result with the new SPECjAppServer2002 (1) benchmark, which is designed to give Java users an objective and representative benchmark for measuring a system's ability to run Java applications.

The leading result of 435.57 TOPS@Distributed at price/performance of \$856.79/TOPS@Distributed was achieved with a clustered configuration that used the IBM eServer xSeries™ 335 as Web application servers and the xSeries 440 as the database server. WebSphere 5.0.1 Application Server ran on the x335 cluster; each server used two Intel® 2.4GHz Xeon DP processors and ran Microsoft® Windows® 2000 Server. The x440 used four 2.0GHz/2MB Xeon processors and ran IBM DB2® Universal Database 8.1 Workgroup Server Unlimited Edition and Microsoft Windows 2000 Advanced Server.

For the current SPECjAppServer2002 results, visit www.spec.org.

Specific information about IBM and xSeries products, services and support is located at ibm.com/pc/ww/eserver/xseries.

Results referenced are current as of February 21, 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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