IBM posts first performance results on new industry-standard TPC-App benchmark

June 21, 2005 ... IBM® has achieved another first in performance in the high-end Intel® server market. The IBM @server® xSeries® 366 server, using the latest Intel Xeon™ Processor MP, has delivered the first results on the TPC Benchmark™ App (TPC-App), the newest addition to the industry-standard TPC benchmarks. TPC-App showcases the performance capabilities of application servers and provides a means for comparing the performance of Java and .NET application servers.

The system under test used one x366 system as the Microsoft .NET application server, which achieved 174.9 SIPS (Web Service Interactions per Second) at $327.41/SIPS. (1) The x366 server used four 64-bit Intel Xeon 3.66GHz Processors MP with a 1MB L2 cache, and ran Microsoft® Windows® Server 2003 Standard Edition. One xSeries 346 system was used as the database server, which was configured with one Intel Xeon 3.60GHz processor with 2MB L2 cache and ran Microsoft SQL Server 2000 and Microsoft Windows Server 2003 Standard Edition.

Ideal as a consolidation platform for managing application servers, the x366 has the capability to simultaneously support hundreds of Web service interactions, secure (SSL) connections, messages to message queues, and the database access activity typical of a B2B distributed environment.

About TPC-App

TPC Benchmark App (TPC-App) is an application server and Web services benchmark. The workload is performed in a managed environment that simulates the activities of a business-to-business transactional application server operating in a 24x7 environment. TPC-App showcases the performance capabilities of application server systems. The workload exercises commercially available application server products, messaging products, and databases associated with such environments.

Two performance metrics are reported by TPC-App. The first is the Web Service Interactions per second (SIPS) per Application Server system. The second is the Total SIPS, which is the total number of SIPS for the entire tested configuration (SUT). Multiple Web Service Interactions are used to simulate the business activity of an online supplier, and each interaction is subject to a response time constraint.

All references to TPC-App results must include the primary metrics, which are the SIPS per Application Server SYSTEM, Total SIPS, the associated price per SIPS (e.g., $USD/SIPS) and the Availability Date of the priced configuration.

(1) Price/performance of $327.41/SIPS and total solution Availability Date of June 21, 2005.
(2) Results referenced are current as of June 21, 2005. To view all TPC results, visit www.tpc.org.

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