xSeries and DB2 deliver outstanding performance with PeopleSoft 8 General Ledger benchmark

January 7, 2003 ... IBM® and PeopleSoft conducted a benchmark to measure the batch performance of the Edit (with/without Combination Editing) and Post processes in PeopleSoft 8, General Ledger, using IBM DB2® Universal Database (UDB) 7.2 on an 8-way IBM @server xSeries 440, running Microsoft® Windows® 2000 Datacenter Server. The result for the Edit and Post processes was 7 minutes 23 seconds, with the Edit process taking 4 minutes 58 seconds and the Post process taking 2 minutes 25 seconds. The result for the Edit and Post processes was 8,126,411 Journal Lines/Hour (with Combination Editing).

The benchmark measured runtimes for one standard database model representing a large organization running processes and batch jobs over a period of two years. The goal of this performance test was to obtain reference performance results for the PeopleSoft 8, General Ledger, on the x440 server, which used eight Intel® 1.6GHz/1MB Xeon^{TM} Processors and 8GB of memory.

Testing was conducted in a controlled environment with no other applications running. The tuning changes, if any, were approved by PeopleSoft Development and will be generally available in a future release or update.

PeopleSoft 8, General Ledger batch processes can be initiated either from a browser or on the server. For this benchmark, all jobs were initiated from a Web browser, which idemonstrates the direction of PeopleSoft's Internet Architecture, using the Process Scheduler to initiate the Edit and Post COBOL jobs.

The Edit and Post processes were executed in 14 (large model) parallel streams for this benchmark. In this benchmark, no errors were generated during the Journal Edit process.

Batch processes are background processes, requiring no operator intervention or interactivity. Results of these processes are automatically logged in the database. The runtimes are posted to the Process Request database table where they are stored for subsequent analysis.

PeopleSoft benchmarks demonstrate the software performance characteristics for a range of processing volumes in a specific configuration. Customers can use this information to determine the software, hardware and network configurations necessary to support their processing volumes.

PeopleSoft General Ledger is a part of PeopleSoft Financials, which enables the automation and synchronization of the entire money-management chain of an enterprise. Whether budgeting expenses, recording transactions, or forecasting revenue, you can minimize data entry and maximize the value of your financial information. PeopleSoft's fully integrated solution leverages the Internet to capture and process data and to ensure that data entered once can be analyzed in multiple ways to help you make better business decisions.

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