



Success Story: Swiss Bank

Swiss Bank Corporation Reduces Database Processing Time by Over 96% with SyncSort

Organizational Profile

- Founded in 1872
- Merged with Union Bank of Switzerland

Business Need

- Speed up transaction processing in the company's database file and accounting application

Environment

- SQL Server

Benefits

- Reduced database processing time by over 96%
- Cut down two hours of processing time to under four minutes
- Cleared up database bottlenecks
- Replaced front-end C programs that handled EBCDIC and packed decimal data

"...the entire process took less than four minutes, a reduction of 96%. SyncSort is giving us the kind of high performance that we need."

Michael Folley
Transaction Processing Development Group
Swiss Bank Corporation

The Challenge:

The Swiss Bank Corporation recently enhanced and migrated the part of its computer system that reconciles financial product trades. On this new system, SyncSort is helping to insure that database applications complete within critical processing windows. The new system handles 20,000 transactions a day, and the processing of these transactions must be completed at predetermined times. As members of the Transaction Processing Development Group, Christopher Essex and Michael Foley looked at a variety of ways to enhance performance.

The Solution:

The first bottleneck was a database file, which had to be loaded to another system. 37,000 rows, each of which contained 725 bytes of data, had to be ordered and aggregated after being bulk copied from the database. SyncSort did the entire ordering and aggregation in one minute and 16 seconds, a reduction of more than 85% from the previous process.

The second bottleneck was in an accounting application that ran every night. Essex analyzed the database process to see how SyncSort could help. "In this instance, we needed to process 170,000 rows in a database. Previously, using SQL Server, the job took more than two hours."

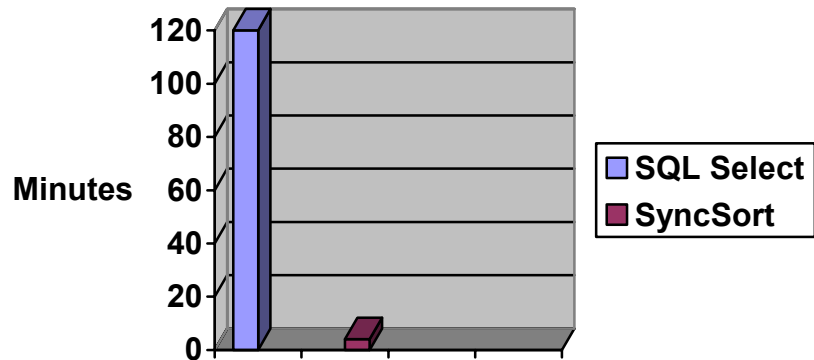
"I decided to try extracting the rows, ordering and aggregating with SyncSort, then returning the aggregated rows to the database. SyncSort took 34 seconds in elapsed time to input 170,000 rows, order and aggregate, and output 26,000 rows. We then did a subsequent ordering of the data, which took only two seconds, and loaded the data back into the database. The overhead for the extraction and load was only about three minutes, so the entire process took less than four minutes, a reduction of 96%. SyncSort is giving us the kind of high performance that we need."

The Benefits:

Swiss Bank replaced some of their front-end C programs with SyncSort. These programs handled EBCDIC and packed decimal data they received from IBM mainframe systems. "Now that SyncSort is here, we use it to do these functions more efficiently. SyncSort's data processing functions are very valuable."

The company is also using most of SyncSort's data management functions. These include selection, aggregation, multiple output, copy, conversion, and "using SyncSort to physically shrink the size of records by dropping off fields that are no longer needed," says Foley.

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SyncSort reduces database processing time by over 96%, providing Swiss Bank with the performance advantage they needed.

About SyncSort

SyncSort is a high-performance application accelerator that improves the performance of multiple applications and reduces elapsed time for a broad range of applications. It speeds ETL transactions by up to 90% and facilitates data mining and click-stream processing. SyncSort merges, aggregates, cleanses, and converts data. Other features include filtering, pattern matching, and partitioning. SyncSort will save you time in operations like data warehousing, data mining, data marts, CRM, ERP, DSS, BI, Oracle Financials, and legacy migration. Using Visual SyncSort, SyncSort applications can be created through a Windows-like GUI. For more information or to arrange for a free trial, call Syncsort at (201)930-8200 or visit www.syncsort.com.