



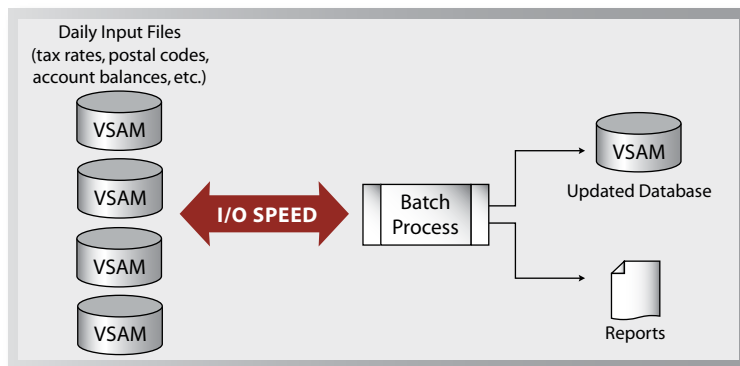
DataKinetics helps the largest bank holding company in the US to solve their batch window congestion problems:

Challenge

To minimize the processing time needed within the batch window.

Time is of the essence for our clients in the retail, banking, credit, and data processing industries. Much of their processing is time sensitive and a big portion of it is done in the off-hours, either at night or on weekends. In the mainframe world, this period of time is known as "the batch window". Because online systems are usually dependent on the completion of the batch processes before they can be ready for customer transactions, it is vital to keep this processing time as small as possible.

Consequently, the impact on the batch processing window is a major consideration when adding new functionality, introducing new products, updating customer or product accounts, creating new reports, and meeting new financial requirements. It is also affected by seasonality changes, stimulated demand, and market fluctuations.



The Challenge: Batch process limited by I/O speed

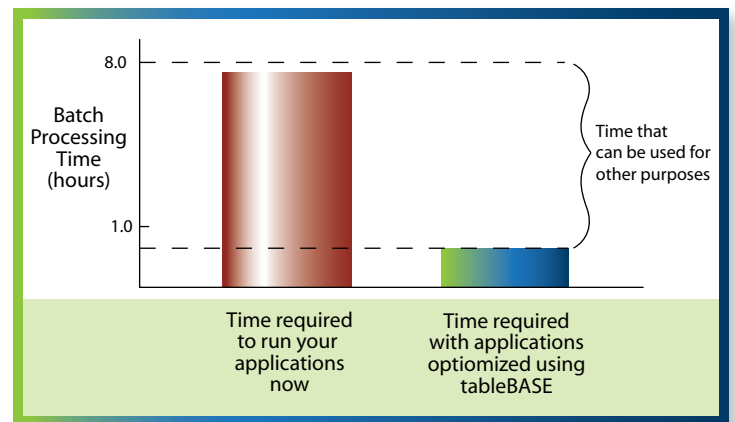
Often the batch process accesses data in VSAM files, which requires an I/O read to the VSAM index for every read request. For example, one of our bank customers had to process as many as 600,000 records a night (each with multiple read requests), and it took almost 7½ hours to complete them.

With only 30 minutes of unallocated time within their 8 hour batch window, there was little room for error, and virtually no room for growth.

Solution

Optimize batch application performance and flexibility using DataKinetics tableBASE®.

With tableBASE, memory access is substituted for I/O access. 1000 times faster than I/O, data accessed from memory allows applications to run much faster.



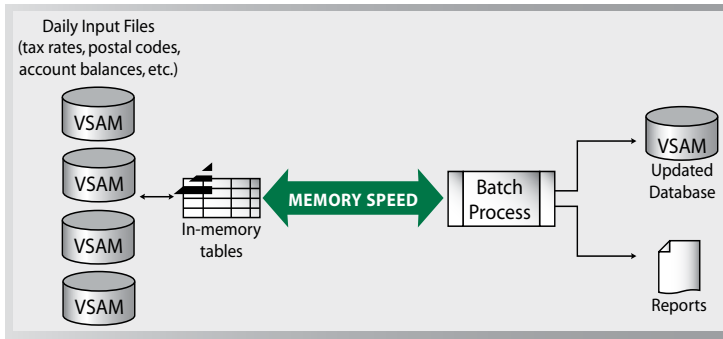
tableBASE reduces batch application run time

Batch applications that run faster take up less time in your batch window--often by as much as an order of magnitude or better.



Our customer's first solution was to beef-up their hardware; they used a dedicated disk pack on the most powerful IBM mainframe available. The result was unimpressive. The possibility of redesigning the software was not an option, because it was too risky, expensive, and time consuming.

They finally turned to DataKinetics to implement tableBASE in conjunction with their current software package, without changing any application logic.



The Solution: Batch process accelerated by memory speed

tableBASE exploits IBM's mainframe architecture by storing and manipulating data in resident memory, thus reducing the I/O calls and processing time. VSAM does not provide such a feature.

Result Result

Batch window processing time reduced by an order of magnitude.

As a result of the tableBASE implementation, the nightly process now took 15 minutes, down from 7½ hours and saved a tremendous amount of money and freed up the batch window.

With batch applications now accessing daily processing data from in-memory tables rather than accessing files on disk, their batch processing time was reduced by more than an order of magnitude.

Not only has tableBASE optimized utilization of batch window processing time, but it also makes it easier for companies to respond to market issues, industry changes, and new reporting requirements. They no longer have to be overly concerned with adversely affecting their batch process performance, because it's running at memory speeds.

Contact DataKinetics

Contact

DataKinetics®, a leader in critical information systems, enables data centers within IBM System z Mainframe (z/OS), Linux and distributed environments to achieve superior performance gains, capacity, and scale using existing applications and hardware. After 30 years of improving the mainframes of the world's top banks, insurance companies, credit card processors, brokerage houses, and retail companies—DataKinetics can help you too.

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