

# Extreme Database Integration



For **THOMSON REUTERS**, a small investment in Syncsort training enables bank merger to proceed

Engineers at BETA Systems, a division of Thomson Reuters, were faced with an enormous data management dilemma – how to combine the financial holdings databases of two merging banks in the timeframe of a single weekend. The task fell to applications engineer Jeffrey Dal Santo, who framed their predicament this way: “In the best case, we’d have a three day holiday weekend to achieve the conversion, and our mocks were showing we’d have zero breathing room.”

To solve the problem, Jeff and his team drew upon a recent onsite application training course they had attended, delivered by Syncsort. He recalled that, among the many topics covered, the Syncsort trainer had explained that efficiencies could be gained by sorting subsets first and merging all data afterwards, rather than merging portions first and then sorting the massive data sets.

Dal Santo applied this in his tests and the results were staggering: **Elapsed time savings of 75%, CPU savings of 42%, and an increase in records processed of 30%.**

“The Syncsort training course was a godsend. Another even larger merger is coming up. Now we are sure we’ll be able to handle it.”

— Jeffrey Dal Santo, Thomson Reuters

Indeed, a few simple batch process changes – which were the explicit outcome of Syncsort’s training program – resulted in

significant savings of both time and money for Thomson Reuters.

Due to the fact that the databases were active, the merge process could not take place during the work week. Hence the plan prior to Syncsort training was to split the procedure into three weekends. Partially merged, it would have been complicated to deploy, and would have required substantially more labor resources. Yet after applying the solution derived from Syncsort’s training class, Thomson Reuters was able to realize significant labor savings.

Thomson Reuters also found huge value having the assurance that their process would complete within the window of a single weekend, as well as from having the merged data available sooner. Additionally, by freeing up CPU resources, there was no need to incur the cost of additional processors.

## INDUSTRY

- Finance and Insurance

## CHALLENGE

- Needed to combine the financial holdings databases of two merging banks in the timeframe of a single weekend
- Tests were showing zero breathing room
- Wanted to avoid complications from splitting the procedure over multiple weekends

## SOLUTION

- Perform aggregations fast enough to run more queries and add more summarized variables
- Applied batch process changes, which were the explicit outcome of Syncsort’s training program

## BUSINESS VALUE

- Enabled bank merger to proceed seamlessly
- Accelerated availability of merged data
- Avoided CPU purchases and labor over-time costs
- Provided assurance they could execute additional bank mergers

## About Syncsort

Syncsort is a global software company that helps the world’s most successful organizations rethink the economics of data. Syncsort provides extreme data performance and rapid time to value through easy to use data integration and data protection solutions. With over 12,000 deployments, Syncsort has transformed decision making and delivered more profitable results to thousands of customers worldwide.