

Scotiabank Uses SmartProduction to Improve Batch Processing

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Scotia Intek, an internal division of Scotiabank, searched the marketplace for a productivity tool that would help them further improve the efficiency of their MVS batch processing. Productivity improvement was not new to Scotiabank, being the perennial leader of the Canadian banks in this discipline. They chose the **SmartProduction®** batch analysis and tuning tool to address their needs.

Scotiabank evaluated **SmartProduction** in order to address the existing runtime availability and resource consumption for their 20,000+ critical batch jobs executed on a daily basis. **SmartProduction** analyzed Scotiabank data, located delays and bottlenecks in their systems, and provided examples of documented savings they could achieve using the product. **SmartProduction** also examined production batch VSAM datasets occupying more than 400 gigabytes of online real storage space per batch cycle.

The analysis revealed a 10-15% improvement opportunity in online storage space utilization and a 15-20% reduction (100,000,000 I/O) in Scotiabank's daily batch processing cycle. These results would dramatically extend the life of their existing batch hardware resources. The estimated cost savings they could achieve in DASD and I/O consumption alone was enough to justify acquiring the product.

In addition, Scotiabank used **SmartProduction** to identify other areas for improvement consistent with prudent and optimal data processing standards, and further improved the performance of their production batch workload. "**SmartProduction** identified many high-use inefficient block size data sets that, once addressed, significantly improved our operations," says Art Neilans, Senior Technical Analyst at Scotiabank. "By optimizing the blocksize of a high-use data set, we were able to show an 800% I/O savings and eliminate 1.8 billion annualized excps."

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During analysis of their batch credit application, **SmartProduction** identified 184 jobs that were using an existing utility inefficiently. Using **SmartProduction's** recommended solutions and replacing IDCAMS REPRO executions with SYNCSORT, they achieved a 60-minute savings in the elapsed batch flow, 24% reduction in CPU time, 23% I/O savings and 28% DASD sortwork savings.

SmartProduction has continued to surpass Scotiabank's expectations in the reduction of their overall I/O, CPU and DASD consumption. "The benefits we continue to achieve by using **SmartProduction** to maintain our MVS batch productivity are well worth the investment we made in the Product," says Neilans. "**SmartProduction** has proven its strength and remains an important part of our batch tuning tool set."

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