

## What are you doing to address *your* batch production challenges?

Is it working for you? Like most organizations, you need an effective method to address the challenges that affect your day-to-day and long term production goals. Challenges such as missed windows, excessive runtime, limited financial and manpower resources, and escalating processing fees. What if there were a way to achieve significant:

- CPU savings
- I/O savings
- Wall clock savings

...with minimal manpower and time, translating into a measurable ROI?

### Would *that* work for you?

The SmartProduction® batch analysis and tuning software automatically locates production inefficiencies. It provides focused analysis and tuning solutions to reduce batch run time and increase system online time.

The results are dramatic, and easy to achieve.



**SmartProduction**®

*The Smart Way to Improve Batch Performance*™

**AXIOS**®

SOFTWARE • SERVICES • SOLUTIONS

*"We selected SmartProduction for the fact that it could help us delay a CPU upgrade and make our system as efficient, cost effective and clean as possible."*

*- Healthcare organization*

**Axios Products, Inc.**

353 Veterans Highway, Suite 204 • Commack, NY 11725 • (800) 877-0990 • info@axiosproducts.com • www.axios.com

# Does your current tuning process:

- **Eliminate unnecessary processing?**  
Are there jobs, steps or functions that are no longer required? **SmartProduction** helps you recover 100% of the system resource utilization and elapsed time they consume.
- **Optimize I/O?**  
I/O optimization often generates the most significant payback in any tuning project. **SmartProduction** helps you reduce the number of I/Os and perform the remaining I/Os as efficiently as possible.
- **Increase the Effectiveness of Your Operations and Backup Procedures?**  
When batch tasks requiring specific physical or logical resources are delayed or slowed, **SmartProduction** will help you optimize the use of resources and eliminate resource contention, significantly reducing elapsed time.
- **Increase Parallelism?**  
The batch workload can run much faster if tasks can be overlapped. **SmartProduction** helps you achieve this by:
  - Switching to more efficient utilities (present at the site) to copy and extract data via "smart" I/O operations
  - Making optimal use of DB2 query, CPU, and data-sharing parallelism
- **Increase Online Availability?**  
Online availability not only requires online systems to be up and active, but also that all data used by these systems is accessible. **SmartProduction** helps you optimize data sets, resulting in increased online availability and faster response time.
- **Improve the efficiency of your applications?**  
Many site developed and vendor programs and utilities are not as efficient as they can be. **SmartProduction** reports on significant inefficiencies caused by such programs, and provides tuning solutions for improvement.
- **Reduce the Frequency and Cost of Failures?**  
When jobs fail, the batch workload takes longer to complete, degrading batch performance. **SmartProduction** provides details on the frequency and impact of different types of failures, and lists jobs having poor availability.
- **Manage the state of job and data set inefficiencies?**  
Are you able to easily identify if inefficient jobs or data sets are currently being addressed, have already been modified, or should be ignored? **SmartProduction's** State Management Facility provides this state information so that all users of the product can better synchronize and track the current conditions.
- **Fine-tune existing data and newly developed applications?**  
Can you reveal inefficiencies regardless of their size and impact on your system? **SmartProduction** allows you to perform a fine-tuning analysis of your current system data, as well as new applications that are still under development and are being tested with small amounts of data.
- **Tune DB2 Applications?**  
Can you quickly and easily identify the impact of specific DB2 inefficiencies without performing a lengthy DB2 application analysis? **SmartProduction's DB2 optional feature** processes the data in DB2-generated SMF records to provide a detailed analysis and targeted solutions to the batch DB2 issues that slow down the batch window.
- **Analyze Workload Manager (WLM) Goal Mode Performance?**  
Identifying actual and potential problems under WLM Goal Mode can be a time consuming, manually intensive effort. **SmartProduction** allows WLM users to easily identify when and where WLM goals are achieved, exceeded, or missed, and provides tuning recommendations for service definitions and policies.
- **Audit UNIX Systems Services (USS) Processes?**  
**SmartProduction** automatically identifies areas of the batch workload that are using USS, providing execution statistics and analyses for jobs, STCs and TSO sessions requesting USS services.

