



Business Justification



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TIAA

Broadridge Financial Solutions

Executive Summary

SYSB-II is a mainframe software solution developed by H&W Computer Systems that allows batch processing to be run any time while applications are available for users to get current batch data on demand.

SYSB-II Solutions to Batch Processing Challenges

Organizations often encounter significant batch processing issues such as CICS application downtime, manual file management, and limited access to up-to-date information for online users. These challenges can disrupt business operations, reduce customer satisfaction, and increase operational costs.

SYSB-II offers a comprehensive solution to these problems.

 Key Challenges	 SYSB-II Solutions	 Result
<p>CICS Application Downtime Organizations often need to shut down CICS applications for VSAM batch processing, which leads to reduced availability and dissatisfied customers</p>	<p>Continuous Availability allows batch processes to update CICS VSAM files while CICS applications are running</p>	<p>Helps ensure uninterrupted service</p>
<p>Manual File Management Manually managing VSAM file access between CICS and batch jobs is time-consuming and error-prone</p>	<p>Automated File Management automates the closing and opening of files within batch processes</p>	<p>Streamlines operations and reduces manual intervention to optimize resources</p>
<p>Limited Access to Up-to-Date Information Online users often cannot access current data due to batch processing constraints</p>	<p>Real-Time Updates allow batch jobs to run any time</p>	<p>Enables immediate updates to online users to ensure access to current data</p>

SYSB-II Benefits

SYSB-II offers a robust solution to the challenges of managing CICS and VSAM files in batch processing environments. This helps businesses optimize their mainframe operations and deliver better service to their customers.

- ✓ **Improved Operational Efficiency**
Reduced downtime and automated processes save time and resources.
- ✓ **Enhanced Data Availability**
Real-time updates and concurrent access to VSAM files improve data reliability.
- ✓ **Increased Customer Satisfaction**
Continuous service and up-to-date information enhance customer experience.
- ✓ **Cost Savings**
Reduced operational costs through automation and improved efficiency.
- ✓ **Competitive Advantage**
Enhanced performance and innovation drive business success.
- ✓ **Improved Reliability and Recovery**
Features like journal recovery and sync points ensure data integrity and quick recovery from job failures.

Business Justification

Solving problems with CICS application downtime, manual file management, and limited access to up-to-date information with SYSB-II can improve overall business performance in many ways.



Improved Operational Efficiency

- **Reduced Downtime:** Eliminating the need to shut down CICS applications for batch processing ensures continuous availability of critical applications. This minimizes disruptions and allows businesses to optimize resources and improve productivity.
- **Automated Processes:** Automating the closing and opening of files within batch processes reduces manual intervention, which saves time and processing power. This streamlines operations, reduces the risk of human errors, and leads to more efficient workflows.

Enhanced Data Availability

- **Real-Time Updates:** Allowing batch jobs to run any time enables immediate updates to online users. This ensures that users have access to the most current data to improve decision-making and customer experience.
- **Concurrent Access:** Allowing concurrent access to VSAM files by CICS and batch processes ensures that both online and batch jobs can access and update data simultaneously. This enhances data availability and reliability.

Increased Customer Satisfaction

- **Continuous Service:** Keeping CICS applications available 24/7 ensures that customers can access services without interruptions. This improves customer satisfaction and loyalty.
- **Up-to-Date Information:** Providing online users with access to the most current data enhances their experience and allows them to make informed decisions. This can lead to better customer engagement and retention.

↓ Cost Savings

- **Reduced Operational Costs:** Automating manual processes and reducing downtime can lead to significant cost savings. Businesses can optimize resource usage and reduce the need for manual interventions and lower operational costs.
- **Improved Efficiency:** Load-level overnight batch across the whole day. Flattening CPU spikes keeps the 4-hour-rolling-average (4HRA) below the old peak, directly lowering monthly license charges. By cutting the critical-path batch window (often in half) you reclaim night-time head-room and postpone adding z CPs.

↻ Competitive Advantage

- **Enhanced Performance:** Improving the availability of batch data and ensuring continuous availability of CICS applications helps businesses stay competitive. Organizations can provide better services and respond more quickly to market demands.
- **Innovation:** Implementing SYSB-II allows businesses to leverage advanced technology to optimize their mainframe operations. This can drive innovation and help organizations stay ahead of the competition.

🛡️ Improved Reliability and Recovery

- **Journal Recovery:** Using SYSB-II's journal recovery feature ensures quick recovery from job failures to maintain data consistency and reliability. This minimizes downtime and enhances system performance.
- **Sync point:** Enabling sync points for long-running jobs without updating batch programs reduces record-locking constraints and ensures data integrity. This improves overall system reliability.



Case Studies

Several organizations have successfully implemented SYSB-II, experiencing significant improvements in operational efficiency and data availability. These case studies highlight the impact of SYSB-II on business operations and customer satisfaction.



TIAA

[READ CASE STUDY](#)



**Broadridge Financial
Solutions**

[READ CASE STUDY](#)



CASE STUDY 1



TIAA

Problem

TIAA, a Fortune 100 financial services company, needed to offer concurrent access to data by both CICS and batch programs to manage transaction volume and shorten the nightly batch window.

Use of SYSB-II

TIAA incorporated SYSB-II to manage transaction volume, shorten the nightly batch window, and automate recovery from abends.

Solution Produced

SYSB-II allowed TIAA to run batch processes concurrently with CICS applications, reducing the batch window and ensuring continuous data availability. The journal recovery feature of SYSB-II also automated recovery from job failures.

Outcome

TIAA achieved its business goals by managing transaction volume more effectively, reducing the nightly batch window, and improving overall system reliability and efficiency



CASE STUDY 2



Broadridge Financial Solutions

Problem

Broadridge Financial Solutions, a global provider of technology solutions to the financial services industry, faced increased transaction volume due to its growing proxy voting service. This demand required increased availability of business-critical applications.

Use of SYSB-II

Broadridge implemented SYSB-II to allow CICS and batch processes to update the same VSAM files simultaneously.

Solution Produced

SYSB-II enabled Broadridge to maintain continuous availability of its CICS applications while processing batch updates, ensuring that both online and batch processes could access and update the same data concurrently.

Outcome

Broadridge successfully increased the availability of its business-critical applications, meeting the growing demand and improving overall operational efficiency



About H&W

Headquartered in Boise, Idaho, H&W has been a leading provider of quality software solutions since 1979. H&W creates reliable, technically sound solutions like SYSB-II that provide long-term value. Today, corporations worldwide, including many Global 500 companies, trust H&W for their IT software and services needs.

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