






Datasheet: SYSB-II for z/OS

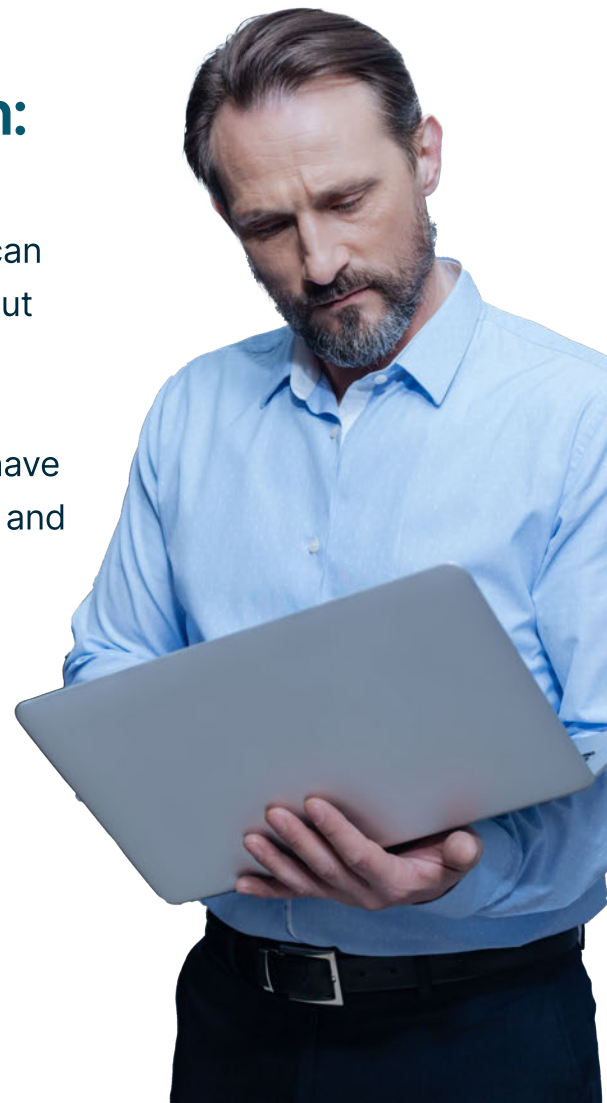
Gain a competitive edge by providing high availability for CICS applications, timely updates of batch data

SYSB-II® is mainframe software that allows CICS and batch to have concurrent access to VSAM files, while maintaining data integrity. This means you can process batch whenever needed, while CICS applications and VSAM data remain fully available for updates.

Traditionally when batch updated VSAM files, organizations had to take CICS applications offline or employ techniques like showing read-only data to CICS users. SYSB-II changes all of that.

With SYSB-II, organizations can:

-  Keep CICS applications running 24/7 so they can be available on PCs and mobile devices, without downtime.
-  Accept new business because organizations have more time both to process online transactions and run batch.
-  Expand to more time zones because CICS applications can be online during traditional “nighttime” hours.



SYSB-II provides high availability for key CICS applications

SYSB-II give you these essential capabilities.

Increase application and data availability

Using SYSB-II results in more online time, as well as VSAM data that's updated as needed.



- ✔ Users and customers make better business decisions because there's no delay in waiting for batch to update data overnight.
- ✔ In an "always on" world, users have the 24/7 access they expect to the functionality your CICS applications provide.
- ✔ Although batch is running during the day, it doesn't affect CICS availability or terminal response time.
- ✔ Recover from abends automatically to preserve high availability and reduce staff intervention time.

Improve the value of CICS applications

SYSB-II improves the value of long-serving applications.

- ✔ Leverage your existing investment in mainframe hardware, applications, and file structures.
- ✔ Institute improvements to existing CICS applications without changes to source code that might not even be accessible.
- ✔ Allow technical staff to rely on proven techniques to tune and manage CICS regions because batch jobs run like any other CICS transaction.
- ✔ Avoid the cost, risk, and complexity of migrating to a new data structure or application architecture.

Easily implement and integrate

SYSB-II's architecture takes advantage of longestablished CICS concepts and integrates into existing processes.

- ✔ Implement SYSB-II at your pace, one job step or one file at a time.
- ✔ Work with current processes to avoid lengthy installation time and testing.
- ✔ Follow data and security standards already in place.
- ✔ Integrate easily using existing skill sets to eliminate retraining.
- ✔ Continue to use current support tools.

How SYSB-II works

SYSB-II uses the documented MVS subsystem interface to intercept batch VSAM requests, translate the input/ output (I/O requests into CICS I/O protocol, and then allow CICS to perform the VSAM operation on behalf of the batch job. SYSB-II communicates between CICS and the batch job using TCP/IP, VTAM, and cross-memory services. This architecture ensures that SYSB-II is upwardly compatible with future releases of CICS Transaction Server and z/OS.



SYSB-II runs as a legitimate command-level CICS transaction, following CICS rules and standards. Batch jobs look any other CICS transaction to the CICS application.

With SYSB-II, batch can take advantage of CICS's data integrity, recovery tools, and file-locking and updating capability. SYSB-II also supports, but doesn't require, VSAM RLS, a CICSplex, a sysplex, coupling facilities, and TCP/IP and VTAM protocols.










Online performance

SYSB-II is present in the CICS address space only when file-sharing batch jobs are running, and it intercepts only the I/O requests for the batch files you specify. The result is greater control and preserved terminal response time.

You control the CICS cycles available to SYSB-II batch jobs by setting the priority of the SYSB transaction. SYSB-II also offers user-controllable buffering and performance-enhancing features that you can selectively implement on the batch jobs that need them. This provides the ability to control batch run times and react to changing processing priorities.

Additional SYSB-II features

SYSB-II includes many other valuable features such as:

-  Ability to issue sync points without application modifications.
-  Backward recovery.
-  Local and remote file access.
-  Journaling and automatic recovery for native batch.
-  Powerful batch CEMT interface.
-  Ability to start transactions from batch.
-  Support of links to CICS applications from batch.
-  Ability to run CICS applications containing familiar EXEC CICS commands in batch so programmers don't need to learn new languages and protocols.
-  Graphical user interface to view transparent SYSB-II file sharing activity.

Installation and implementation

SYSB-II typically takes only a few hours to install. Then, you simply choose to implement SYSB-II at the JCL level, through control tables, or a combination of the two. Additionally, H&W provides implementation and installation services to ensure your project goes from installation to production quickly. Companies can realize their return on investment in as little as a few weeks.

System requirements

-  Any version of z/OS with CICS Transaction Server for z/OS that IBM supports.

About H&W

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