

Syncsort MFX ZPSaver Suite

Shift Copy, SMS Compression and Sort to zIIP engines to save money while delivering ever faster processing for your mainframe

Free up your Mainframe's TCB Time and Costs with ZPSaver Suite

The ZPSaver Suite is a set of enhanced technologies for Syncsort MFX to offload Copy, SMS Compression and Sort processing to zIIP processors, effectively reducing the workload on the main CPU.

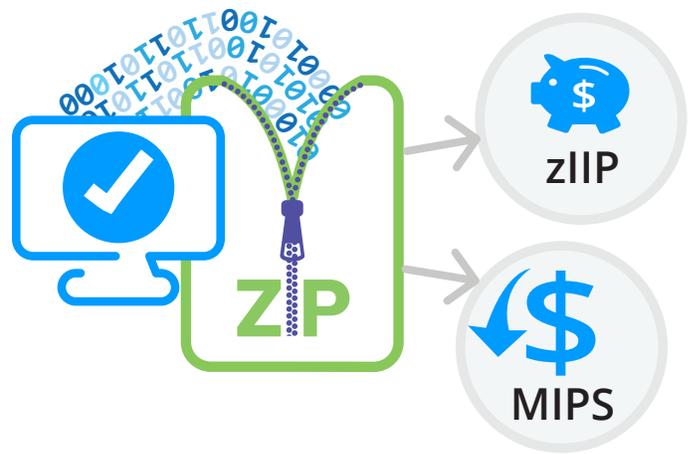
ZPSaver's performance advantages translate into significant cost savings:

- In sub-capacity pricing environments, lowering CPU utilization during the four-hour peak window is critically important for containing overall software costs.
- Saved CPU time delays hardware upgrades in the face of increasing data volumes.
- Freed-up capacity lets you do more with less by supporting new workloads with the same resources.
- More efficient processing supports more work on an MSU-capped LPAR.
- Lowering CPU time results in lower fees for organizations that are charged based on CPU utilization for mainframe hosting or outsourcing.
- The ability to meet SLAs and batch window requirements reduces risk and associated costs to the business. Process more data on MSU-capped LPARs thanks to more efficient Copy, Compression and Sort processing.

Best of all, ZPSaver Suite requires no changes to any of your existing Syncsort MFX for z/OS JCL or application.

The Impact of Copy, Compression and Sort on CPU Usage and Batch Windows

Organizations are constantly looking for ways to maximize the value of their mainframe applications while reducing software and CPU costs. Offloading expensive processing to zIIP engines provides a huge opportunity to reduce costs and free up mainframe capacity with very little effort. For years, Syncsort customers have enjoyed the unparalleled speed, efficiency and ease-of-use of Syncsort MFX for z/OS, which allows them to execute sort operations on the zIIP engines, saving valuable CPU time. However, mainframe z/OS® Sort, Copy and Compression processing can also consume hundreds of hours of CPU time annually and contribute to batch window bottlenecks. In many cases, the pervasive use of Sort, Copy and Compression steps in many z/OS batch jobs can easily escalate costs and jeopardize performance-based service level agreements (SLAs).



Get More Value from zIIP Engines with ZPSaver Suite

ZPSaver Suite offers a new Syncsort architecture to offload processing to zIIP engines. This means that for copy, SMS version 1 compression and sort processing, ZPSaver Suite offloads the maximum amount of TCB and SRB CPU time processing to the zIIP engines in most use cases. This offload lowers the workload on the main CPU, frees the CPU for other workloads and reduces the TCB processing time for the copy function.

Copy in zIIP

A high-performance, transparent enhanced replacement for MFX copy processing that executes almost all copy steps on zIIP engines.

Compression in zIIP

An enhancement that offloads to zIIP engines the CPU time that is associated with SMS compression used in MFX Sort and Copy processing.

Sort in zIIP

A high-performance, transparent enhanced replacement for sort processing that executes almost all sort steps on zIIP engine.

How ZPSaver Suite Works

Copy in zIIP is used with SORT FIELDS=COPY. Benchmark tests show significant performance advantages when using Copy in zIIP:

- Significantly reduced TCB CPU time – up to 95%
- Significantly reduced elapsed time – up to 25%

Compression in zIIP is used in most use cases when a sort or copy has SMS version 1 compression attributes on SORTIN or SORTOUT (non-VSAM, non-OUTFIL) data sets. Benchmark tests for Compression in zIIP demonstrate:

- Between 80% and 90% reduction in CPU time

Sort in zIIP is initiated with SORT FIELDS = (x, y, ZZ, A ...). Benchmark tests show significant performance advantages when using Sort in zIIP:

- Significantly reduced TCB CPU time – up to 95%.

Is ZPSaver Suite right for your Mainframe?

Determining the benefits of ZPSaver Suite is quick and simple:

1. Goto: www.syncsort.com/zpsaver
2. Request a free ROI assessment
3. Install and start saving TCB time and costs

Transparent ROI

Syncsort's ZPSaver Analysis Tool measures Sort, Copy and Compression processing TCB time and estimates the benefits of adding ZPSaver Suite.

The ZPSaver Analysis Tool reads and interprets the appropriate System Management Facility (SMF) records to report on the resources consumed and project the resource savings achieved by using ZP Saver Suite. Syncsort offers this analysis tool free of charge.

FOR MORE INFORMATION, PLEASE VISIT:
www.syncsort.com/ZPSAVER

ZPSAVER ANALYSIS FOR COPY IN ZIIP TCB TIME & COUNT*

COPY EXECUTIONS: 269,698

QUALIFYING COPIES: 232,613

MONTHLY TCB SAVINGS: \$28,002

YEARLY TCB SAVINGS: \$336,027

*Sample ROI analysis from an actual customer.

