

CA Database Copier™ for IMS for z/OS



At a Glance

CA Database Copier™ for IMS for z/OS (CA Database Copier) delivers the functionality that helps you create offline, online, **SNAPSHOT**, and incremental image copies so you can back up your data assets with greater efficiency, reliability and effectiveness.

Key Benefits/Results

- **Save resources.** Optimize backup performance without taxing IMS resources.
- **Save time.** Improve the productivity of your IMS management and administration personnel.
- **Meet service level agreements.** Create backups with minimal impact on data availability.

Key Features

- **Multiple image copy types.** Create the specific type of image copy that best fits your backup needs and data availability requirements.
- **Copy image copy.** Create an additional copy of an existing image copy.
- **Snapshot support.** This support will exploit the “mirroring” capabilities of the newer DASD devices and will provide for fast cache image copy processing of IMS databases. By using the snapshot as input normal IMS processing can continue while the backup occurs.
- **BMP pause/restart.** This facility pauses the BMP when the snapshot processing needs to get exclusive control, and automatically restarts the BMP after the snapshot function relinquishes exclusive control.
- **Database support.** Supports Full Function, HALDB and Fast Path DEDB databases.

Business Challenges

In an environment where data is an essential business resource, protecting that data is critical. The key to data protection lies in taking regular database image copies as backups. Image copies are an important part of an enterprise’s overall strategic backup and recovery plan. However, in today’s business climate, where data needs to be accessible around the clock, the task of creating current image copies can be challenging.

Many IMS databases are used 24x7 to support critical applications, resulting in a constantly shrinking window for database backup. Image copies must be created quickly, with minimal impact on data availability.

Solution Overview

CA Database Copier helps you effectively back up your IMS data and maximize the value and performance of your IMS personnel—while making image copies a core component of your enterprise’s overall backup and recovery strategy.

CA Database Copier offers a full complement of functionality that helps you protect your IMS databases. With a wide range of flexible image copy capabilities, CA Database Copier helps you create comprehensive, timely backups of the data residing in your IMS environment.

Critical Differentiators

- Image copy types include:
 - Batch image copies provide a true and exact backup with no chance of partial updates.
 - Concurrent & online image copies allow access to the database during the image copy.
- **SNAPSHOT** image copies allow a true and exact backup while the database still can be updated from concurrently running online systems. This is accomplished by image-copying a previously created **SNAPSHOT** copy of the database data set.

Critical Differentiators (continued)

- **Incremental image copies use an existing image copy**, along with a change accumulation of the IMS logs, to produce a more up-to-date batch image copy. Since an incremental image copy is created without accessing the actual IMS databases, data availability is not impacted.
- **IMS databases can be defined as groups**, including change accumulation groups, database data set groups, database groups, and database recovery groups for all database types. When a group name is used as input, CA Database Copier backs up all databases in the specified group.
- **Provides compression of the output data set** and reduces the number of tapes needed by stacking files.
- **IMS Information Repository (IIR)**. Results can be stored in the IIR. You can access this stored information to determine trends, compare threshold values to trigger actions, or do historical reporting.
- **Command Control Manager**. This common component helps you issue IMS commands in sets and across all the IMS systems in an IMSplex.

Related Products/Solutions

- **CA Database Analyzer™ for IMS for z/OS**. Integration provides complete pointer checking of the database while the image copy is produced, and to validate the integrity of the backup.
- **CA High Performance Recovery for IMS for z/OS**. CA Database Copier can also be invoked to create an up-to-date image copy after recovering database data sets.

For more information, please visit [ca.com/ims](https://www.ca.com/ims)

CA Technologies (NASDAQ: CA) creates software that fuels transformation for companies and enables them to seize the opportunities of the application economy. Software is at the heart of every business, in every industry. From planning to development to management and security, CA is working with companies worldwide to change the way we live, transact and communicate – across mobile, private and public cloud, distributed and mainframe environments. Learn more at [ca.com](https://www.ca.com).