

CA Fast Recover™ for DB2 for z/OS



At a Glance

CA Fast Recover™ for DB2 for z/OS (CA Fast Recover) provides the ability to quickly recover DB2 data (table spaces and indexes) after a disaster or system failure, while minimizing CPU cycles, service units and EXCPs. CA Fast Recover offers significant performance advantages over other utilities, incorporating multiple advanced features that differentiate it from competitive offerings.

Key Benefits/Results

- **Enhanced Performance.** High-speed recovery of DB2 tablespaces and indexes.
- **Reliability.** Getting your systems back online reliably.
- **Data availability.** Recovery of DB2 data to alternate files.

Key Features

- **Preprocessed logs.** Uses preprocessed log record data sets produced by a change accumulation process.
- **SNAPSHOT capabilities.** Improves recovery performance by offering INSTANT recovery.
- **In-line copy.** Produces an image copy of the tablespaces, written directly from the SORTLOG process.
- **Close integration with other CA Technologies products.** Ensures easy definition and management of recovery scenario.

Business Challenges

The ability to recover is critical in any DB2 shop. Without ready recovery capabilities, tables, tablespaces, databases, and entire DB2 subsystems can be offline for costly amounts of time. CA Fast Recover can get your DB2 systems back online quickly and reliably.

Designed for high performance, CA Fast Recover processes exceptionally quick recoveries of DB2 tablespaces and index spaces. Fewer CPU cycles, service units, and EXCPs significantly reduce the cost of recovery. In addition to offering an online interface that simplifies job generation, it integrates with the CA Database Backup and Recovery solution for DB2 for z/OS, conserving time and effort through superior standalone functionality—while working together to exploit each other's features.

The CA Database Backup and Recovery solution integration provides significant backup and recovery performance, speed and efficiency.

Solution Overview

CA Fast Recover performs rapid recoveries, helping database administrators get systems back online quickly and reliably.

Standard IBM Recover utility syntax is used whenever possible, helping to simplify conversions.

Depending on what is most suitable, CA Fast Recover enables you to select from a number of data recovery methods:

- **Multiple-step recovery.** Recovers objects in several individual steps, improving flexibility when planning a recovery.
- **Single-step recovery.** Recovers multiple tablespaces (and associated indexes) concurrently in one job step.
- **Accelerated recovery.** Leverages the IN-LINE copy function to produce an image copy of the tablespaces written directly from the SORTLOG process, further reducing processing time.
- **Flash copy recovery.** Leverages intelligent hardware SNAPSHOT capabilities.
- **Tracker site support.** Recovers into tracker DB2 sites for users leveraging IBM's Tracker Site Recovery.
- **LOB support.** Recovers LOB components.

Critical Differentiators

CA Fast Recover provides the following extended features:

- Quickly recover critical data:
 - Use preprocessed log record data sets produced by the Change Accumulation component of CA Merge/Modify™ for DB2 for z/OS.
 - Recover DB2 data to alternate files, leaving the original data available for read-only access until recovery completion.
 - SNAPSHOT support significantly improves recovery performance (INSTANT recovery).
- Recover data with different internal identifiers, not matching what DB2 expects:
 - Use image copies to recover dropped objects
 - Migrate tablespace from one DB2 subsystem to another.
- Recovery from non-DB2 backups:
 - Recover DB2 data from the DB2 log created by non-DB2 backup utilities.
- Ease of use:
 - Wildcards for object names simplifies JCL coding
 - Dynamic allocation of input and output data sets
- Use log labels to identify log points for point-in-time recoveries with convenience
- Recover predefined lists of objects created with the Object List Manager
- Upfront required resources identification: PREVIEW resources (image copies, log records to apply, number and estimated size of sort work data sets) needed for an actual recovery.

Related Products/Solutions

CA Fast Recover integrates with these CA Technologies products.

- **CA Merge/Modify™ for DB2 for z/OS.** Creates accumulation files and copies from log accumulation process.
- **CA Quick Copy™ for DB2 for z/OS.** Provides SNAPSHOT usable for INSTANT recovery.
- **CA Recovery Analyzer™ for DB2 for z/OS.** Creates recovery jobs that CA Fast Recover performs.

For more information, please visit ca.com/db2

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