

CA Fast Load® for Db2 for z/OS

Key Benefits

- **Superior performance.** High-speed loading of data into large tables.
- **Extensive formatting and data conversion options.** Loaded data can immediately be used by other applications.
- **Seamless product integration.** Load data, reorganize it, and create image copies in a single process.

Key Features

- **Performance and zIIP utilization.** Eliminates DBM1 address space usage and utilizes zIIP processors with load processing to reduce CPU overhead. Uses multiple SYSREC files to parallelize partition loads and rebuild Non-Partitioning Indexes (NPIs) using subtasking.
- **Discard record handling.** Enables you to process discards before or after the load, skip it, or leave data in read-only mode.
- **Duplicate records.** Checks only unique indexes for duplicate keys. You can also bypass these checks.
- **Flexible sort options.** Reclusters data, sorts it by OBID, and dynamically allocates the sort work data sets.
- **Flexible field selection criteria.** Lets you specify column format and location and the criteria for loading the columns. Supports multiple column selection and full Boolean logic. Accepts AND/OR connectors, column names within the expression, and data positioning.

At a Glance

CA Fast Load® for Db2 for z/OS (CA Fast Load) is a high-speed utility that helps you load large amounts of data into Db2 tables. Its high-speed performance is designed to help minimize the time that your data is unavailable by reducing data load time and loading multiple tables or multiple partitions concurrently. This utility can also create up to eight image copies and reorganize data as part of the load process.

Business Challenges

Today's Db2 database environments are typically distributed across multiple subsystems and locations. Their size and complexity are constantly growing. In such environments, retrieving and analyzing information is a significant challenge for database administrators.

Effectively managing a Db2 for z/OS system can be a rigorous, full-time responsibility for a Db2 administrator, especially if there are multiple Db2 subsystems with multiple users and departments.

Db2 environments often require you to load large amounts of data into Db2 tables. This data can originate from many places: other Db2 tables, different database management systems, or applications that generate sequential files.

Organizations desire a way to easily and quickly load data into large tables: a high-speed utility that can load data with little to no impact on system performance and make the loaded data available for immediate use by other applications.

Solution Overview

The high-speed performance of CA Fast Load is designed to load data with little to no impact on system performance and data availability. The speed is accomplished by using advanced, concurrent data processing techniques, high-speed I/O mechanisms, and sort performance optimizations. The zIIP processors are utilized with load processing to reduce CPU overhead.

The ability to load data, reorganize data, and create image copies in a single process facilitates a proactive response to individual database management situations.

What's more, CA Fast Load provides advanced capabilities such as multiple input and output formats, multitasking, and OBID conversions. It provides extensive formatting and data conversion options to make the loaded data available for immediate use by other applications.

Critical Differentiators

- **Partition Independence.** Allows you to load one or more partitions of a tablespace while providing access to those partitions that are not being loaded.
- **Increased data availability.** Creates up to eight image copies and reorganizes data as part of the load process.
- **Maximum DBA productivity.** Simplifies efforts in formatting data when loading into target environments by using flexible sort options and field selection criteria.
- **Extensive formatting and data conversion options.** Provides extensive formatting and data conversion options that help to make the loaded data available for immediate use by other applications.
- **Performance optimization.** Achieves superior performance by dynamic sort optimization and zIIP utilization.

Related Products

- **CA Fast Check® for Db2 for z/OS.** Monitors database consistency with in-depth integrity checking, managing RI, and reporting and correcting errors in tablespace or index pages.
- **CA Fast Unload® for Db2 for z/OS.** Reduces the amount of time required for processing and extraction of Db2 data, thus improving the availability of corporate data.
- **CA Quick Copy for Db2 for z/OS.** Creates fast, consistent, and accurate Db2 image copies (up to eight image copies during execution) without impacting data availability.
- **CA Rapid Reorg® for Db2 for z/OS.** Helps reclaim space used by dropped tables, reclusters data, removes overflow pointers, re-establishes free space, rebalances index trees, and reduces the number of levels required.

For more information, please visit ca.com/db2.