

CA Rapid Reorg[®] for DB2 for z/OS

CA Rapid Reorg[®] for DB2 for z/OS (CA Rapid Reorg) helps you perform quick and effective DB2 data reorganizations to help increase data availability and performance and save resources.

Business Value

CA Rapid Reorg improves system availability by shortening reorganization times and enhancing application data access through efficiently organized databases. The online capability enables read and update operations to tables during the reorganization process so that application access to data is left unaffected. In addition, CA Rapid Reorg helps reduce CPU time, I/O activity and the costs associated with downtime.

Product Overview

Constant additions, deletions and updates of DB2 information may cause the data to become disorganized. CA Rapid Reorg helps you quickly reorganize DB2 data and accelerate response time. Online reorganization gives you full read/write access to DB2 data during reorganizations, while automatic space allocation facilities make it easy to redefine data sets during the reorganization, performing space management as part of the entire process.

Delivery Approach

CA Services provides a portfolio of mainframe services delivered through CA internal staff and a network of established partners chosen to help you achieve a successful deployment and get the desired business results as quickly as possible. Our standard service offerings are designed to speed deployment and accelerate the learning curve for your staff. CA's field-proven mainframe best practices and training lower risk, improve use/adoption and ultimately align the product configuration to your business requirements.

What's New, What's Compelling?

Mainframe 2.0

CA Rapid Reorg has adopted key Mainframe 2.0 features that are designed to simplify your use of CA Rapid Reorg and enable your staff to install, configure and maintain it more effectively and quickly.

- **CA Mainframe Software Manager:** The CA Mainframe Software Manager automates CA Rapid Reorg installation and maintenance and removes SMP/E complexities.
 - › The Product Acquisition Service enables you to easily move product installation packages and maintenance from CA Support Online directly to your mainframe environment and prepare them for installation.
 - › The Software Installation Service standardizes CA Rapid Reorg installation, which includes a new, streamlined Electronic Software Delivery (ESD) method that allows CA Rapid Reorg to be installed using standard utilities. This service also provides standardized SMP/E product installation and maintenance via APARs and PTFs, and simplifies SMP/E processing through an intuitive graphical user interface and an intelligent Installation Wizard.
- **Best Practices Guide:** This guide provides information on CA Rapid Reorg installation, initial configuration and deployment to shorten the learning curve for staff that is responsible for the installation and management of this product.
- **Interoperability Certification:** CA Rapid Reorg has been tested in an environment with many other CA products as part of a dedicated effort to find and resolve interoperability problems prior to release.
- **Health Checker:** The Mainframe 2.0 Health Checker provides CA Rapid Reorg Health Checks that execute under the IBM Health Checker for z/OS.

What's New in CA Rapid Reorg r12

- **Improved Partition Level Reorgs:** You can now update index partitions without affecting the DB2 buffer pool. The indexes are updated using RIDs from the table space.
- **Support for DB2 for z/OS Version 9:** This release of CA Rapid Reorg provides support for additional DB2 for z/OS version 9 features.

Features

CA Rapid Reorg provides:

- **Reorganization Processing:** You need both versatility and control to perform efficient and effective reorganization of DB2 objects. CA Rapid Reorg provides multiple ways to reorganize your objects, which help you design reorganizations to help meet your specific needs.
 - › **Offline Reorganization:** This method provides exclusive access to the object and performs a standard, offline reorganization, enabling you to use existing IBM utility JCL to run CA Rapid Reorg with only minor changes. The data is unloaded, sorted and reloaded, and indexes are rebuilt. The standard mode of reorganization understands CA Fast Load for DB2 for z/OS (CA Fast Load) output, allowing you to perform a load of new data and reorganization in one step.
 - › **Read Only Access:** This executes the same type of standard reorganization as offline reorganization, but allows read access to the data during the reorganization process.
 - › **Extended Mode:** Extended reorganization mode helps you improve performance, lower EXCPs, sort more efficiently and access DB2 objects during and immediately after the reorganization. In addition, it lets you control clustering and sorting so that you can make separate decisions regarding the reorganization of your table data, clustering index and non-clustering indexes. Extended mode can be used with both offline and read only reorganization processing.

- › **CA Database Analyzer:** CA Database Analyzer works with CA Rapid Reorg to determine when reorganization is necessary and calls CA Rapid Reorg to begin reorganization if values fall within a specified range. CA Rapid Reorg can invoke the statistics collection capability of CA Database Analyzer to gather and update catalog and PDASTATS information.
- › **CA Fast Load:** CA Rapid Reorg understands CA Fast Load output, allowing you to perform a load and reorganization in one step.

Benefits

CA Rapid Reorg is designed to perform quick and effective DB2 data reorganizations, which helps increase data availability and performance and saves resources. It improves system availability by shortening reorganization times, thereby helping to reduce the costs associated with downtime. CA Rapid Reorg also enhances application data access through efficiently organized databases.

The online capability enables read and update operations to tables during the reorganization process so that application access to data is left unaffected. By allowing you to reorganize data at any time, CA Rapid Reorg helps improve productivity and helps you utilize DBA resources cost-effectively and efficiently.

Automatic space allocation facilities make it easy to redefine data sets during the reorganization, performing space management as part of the entire process. CA Rapid Reorg manages all related reorganization processing — including producing up to eight image copies and collecting and updating DB2 catalog statistics in one execution — with just one pass of the data.

Why CA

A key component of both CA's Mainframe 2.0 strategy and Enterprise IT Management (EITM) vision, CA Rapid Reorg is a member of the CA Database Management Solutions for DB2 for z/OS family. Using these solutions helps you to optimize performance and reduce database downtime, as well as enhance the overall business value provided by DB2 applications.

The CA Database Management Solutions for DB2 for z/OS are part of a family of database products that support both mainframe and distributed environments. This family of products helps you reduce the amount of time, effort and human error that is involved in implementing, maintaining and maximizing the availability of efficient database applications. Organized into three solution areas comprised of Database Administration, Database Performance Management and Database Backup and Recovery, these products help DBAs to be more productive, accurate and efficient.

CA Database Management is an integral part of EITM, providing products that help manage the total cost of database ownership by automating day-to-day operations and increasing overall service responsiveness. From DB2 and IMS on the mainframe, to Oracle, DB2 and SQL Server on distributed servers, CA Database Management provides advanced technology and integration to manage increasingly large and complex databases.

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