

CA RC/Extract™ for DB2 for z/OS



At a Glance

CA RC/Extract™ for DB2 for z/OS (CA RC/Extract) is a comprehensive data extraction utility that helps you build test environments and simplify data archiving. The product automates the act of extracting a subset of referentially intact data from one set of DB2 objects and loading it into another set of objects.

Key Benefits/Results

- **Extracting RI data.** CA RC/Extract automates the labor-intensive task of extracting referentially related data.
- **Advanced data extraction and loading.** The menu-driven data extraction and loading features along with data filtration capabilities help simplify test environment creation, administration tasks, reduce database downtime and increase DBA productivity.

Key Features

- **Data extract capabilities.** CA RC/Extract simplifies data extraction and movement from one environment to another in online as well as batch, offering RI support, data filtration, external key file support, image copy as an extract source, extract from DB2 views, partial key support and unlike key mapping.
- **Data archiving.** CA RC/Extract archives old or inactive data. By automating this task, you can more quickly and easily speed archives, increase performance and reduce the amount of data in your tables.
- **Advanced features.** CA RC/Extract increases productivity when creating related data subsystems, offering: parallel data loading, ability to easily switch between multiple DB2 subsystems or DB2 versions, a help wizard, built-in ABEND handling routine, the ability to mask sensitive extracted data and overwrite data controls. In addition, the extended extract facility supports one or more RIs with different starting points within the RI structure. This feature ensures that your complex test data requirements are met with valid parent to child relations during data extraction.

Business Challenges

In today's IT environment, not only are DB2 database environments spread across multiple subsystems and locations, but the sizes of these databases are also constantly growing. Consequently, manipulation of data is a significant challenge. Manually extracting and moving related data from one environment to another is a cumbersome, resource-intensive and error-prone task, particularly due to the time and complexity involved in manually mapping out the parent and child table relationships. If you are using both system- and application-defined referential integrity (RI) in the system, it becomes even more difficult to manage the data movement or extraction process.

Solution Overview

CA RC/Extract automates the labor-intensive task of extracting referentially related data by leveraging advanced rules for complex extractions that help you extract the exact data subset needed for archiving or creating new tables. CA RC/Extract provides the flexibility to work with referential relationships that are defined by DB2 or enforced by the application. Its menu-driven interface and advanced data extraction and loading features help simplify administration tasks, reduce database downtime and increase DBA productivity. CA RC/Extract extracts data in both online and batch. These extract and load definitions can be saved and used over and over again without recreating every time you need test data.

Critical Differentiators

- Extracting data from one system to another helps in creating test data set up. Sensitive data masking is available to protect sensitive data.
- Data archiving features are available to help in managing growth and scale of data.
- Various criteria and filtering options are available for extracting the data as well as loading it in a target environment.
- Remote extract and load is available in both online and batch.
- Advanced data selection, duplicate elimination rules help in extracting the right set of data for effective downstream processing in data warehousing, analytics and reporting.
- CA RC/Extract can be embedded in application processing and eliminate user programming effort for data extraction/selection and loading processes.

Related Products/Solutions

- **CA RC/Migrator™ for DB2 for z/OS** invokes CA RC/Extract to extract data from one or more DB2 objects on one system to other DB2 objects.
- **CA Fast Unload® for DB2 for z/OS and CA Fast Load for DB2 for z/OS** provide an option to retrieve data from the source environment and load data into target environments.
- **RI Manager functionality in the Value Pack (no charge options)** provides an interactive facility for viewing, creating, modifying and deleting system-defined and application-managed RI relationships. This component can convert application-managed RI to system-defined RI and system-defined RI to application-managed RI. It also reports and optionally corrects obsolete table and key column references in application-managed RI.

For more information, please visit [ca.com/db2](https://www.ca.com/db2)

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