

CA RC/Compare™ for DB2 for z/OS



At a Glance

CA RC/Compare™ for DB2 for z/OS (CA RC/Compare) helps you to compare and synchronize DB2 structures that reside on different subsystems.

Key Benefits/Results

- **Move DB2 test structures.** Move test structures into production without compromising the structure of the production subsystem, or the data.
- **Compare DDL.** Compare a logical database design (DDL) file to a physical database structure.
- **Automation.** Helps you simplify database administration tasks to reduce risk and increase DBA productivity.

Key Features

- **Comparison options.** Provides extensive database comparison options: subsystem-to-subsystem, DDL-to-subsystem, DDL-to-DDL comparisons, one-to-many, and automapping.
- **Advanced synchronization options.** Provides advanced features that automate the repetitive and time-consuming database administration activities that are involved in comparing and synchronizing database structures across multiple subsystems. This automation streamlines database administration activities, helping to save time and effort.
- **Mapping and filters.** Provides filters and object mapping criteria to be used during comparisons. This facility provides more flexibility when comparing database objects and their dependencies between subsystems.

Business Challenges

With CA RC/Compare, you can move a test structure into production without compromising the unique differences of the production subsystem. This task can be performed in real time or scheduled for off-hour execution, improving both database administrator productivity and data availability.

Solution Overview

For many organizations, the size and complexity of their DB2 database environment has significantly increased in recent years. CA RC/Compare provides the ability to compare and synchronize DB2 structures across different subsystems. After the comparison is performed, CA RC/Compare generates the synchronization script that is used by CA RC/Migrator™ for DB2 for z/OS (CA RC/Migrator) to update the destination database environment to provide matches to the source database.

Critical Differentiators

The comparison options provided by CA RC/Compare provide the flexibility to compare and synchronize various source and target structures:

- **Subsystem-to-subsystem.** Moves an application's changes from a test subsystem to a production subsystem and merge changes from the source into the target environment without impacting the existing object's structure or data.
- **DDL-to-subsystem.** Compares the DDL generated from logical database design tools against the physical subsystem, and generates the changes required to match the target subsystem with the DDL file automatically.

Critical Differentiators (continued)

- **DDL-to-DDL.** Provides syntax validity. Since most activities do not require DB2 access, this type of comparison saves time and system resources.
- **One-to-many.** Eliminates the need to perform individual comparisons whenever multiple production target subsystems exist.
- **Automapping.** Takes advantage of naming conventions and standards established in the design phase and migrates them to the production system. As a result, the software code that is required to promote the changes from the logical design to the physical design is generated with minimal input from the user.

Related Products/Solutions

CA Compare integrates with these CA Technologies products:

- **CA RC/Migrator™ for DB2 for z/OS (CA RC/Migrator).** CA RC/Migrator invokes CA RC/Compare to help compare and analyze the differences between two or more database schemas. CA RC/Compare then generates the script to be used to synchronize these schemas.

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

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