

IBM DB2 Test Database Generator for z/OS and for Multiplatforms, Version 2.2

Highlights

- **Easily creates test data, from scratch or from existing data sources, that is tailored to meet the demands of your application**
- **Maintains referential integrity while extracting data from source databases**
- **Helps meet compliance regulations by masking sensitive production data**
- **Updates existing test data without deleting and recreating it**
- **Supports DB2 for z/OS, Linux, UNIX and Microsoft Windows**

Enables cost-effective creation of test data

IBM DB2® Test Database Generator reduces the time that database administrators spend on generating test databases—either from scratch, by mimicking real data, or using existing data sources. It is even possible to create a subset of the data.

Data privacy regulations such as the Health Insurance Portability and Accountability Act (HIPAA) are proliferating worldwide. Many companies are becoming more focused than ever on safeguarding production data that is used in development and test environments. DB2 Test Database Generator can help you comply with data privacy regulations by creating test data using generation rules to mask sensitive data, such as social security numbers, salaries and health information, thus ensuring that confidential data remains secure.

Using highly selective autonomic data extraction, creation and copying functions, DB2 Test Database Generator cuts through the intricacies of database simulation. It provides tools to swiftly find and extract, from among thousands of database objects, not only the desired data, but all its dependent objects as well.

Flexible solution for your diverse IT environment

DB2 Test Database Generator provides several options for data generation and manipulation, enabling proactive and cost-effective application management in multiple environments. It also features the flexibility of two interfaces: an Interactive System Productivity Facility (ISPF) in the z/OS® environment and a Java™-based graphical user interface in the UNIX®, Microsoft® Windows® and Linux® environments.

A key enhancement in the latest version of DB2 Test Database Generator enables you to compare and synchronize DB2 tables by automatically creating a pre-copy of the original data and comparing it with post-test data. This helps you quickly and easily revert to your original data, or determine where changes have been made during testing.

Data generation. DB2 Test Database Generator provides several ways to generate test data. You can continue to apply generation rules, to define source data, such as database tables, XML or text files, from which test data can be generated. Alternately, you can use these rules to create test data from scratch that mimics real data.

To help you better simulate the source environment in your target output, you can include the updatable optimizer-related DB2 catalog statistics of the source table with the source data so that the DB2 catalog statistics are re-created in the target.

DB2 object creation. With DB2 Test Database Generator, you can create your test data directly in an existing DB2 database. DB2 Test Database Generator automatically creates and populates DB2 objects, eliminating the need to run your own structured query language (SQL) or data definition language (DDL) before or after test data creation.

To save time and effort, you can now update your existing target data without having to delete it entirely, then recreate it. This allows you to avoid having to delete impacted data on the target tables before the load is processed.

Referential Integrity. There are multiple options for the way that Referential Integrity (RI) is treated in your test data. Option #1—RI relationships can be created in the target as they are in the source. Option #2—RI relationships that are detected can be created with database-managed RI in the target. Option #3—RI relationships that are detected will not be created with system-managed RI in the target.

Autonomic behavior. A table-grouping component of the tool—IBM DB2 Grouper Component—discovers relationships between database objects and permits application-defined relationships, making it easy to see all related tables in the test environment for inclusion. For tables

with undefined Grouper relationships, you can specify the table as the source without its associated RI. This feature allows you to select a group of tables and use them as sources so that the targets corresponding to them can be generated.

Test-data creation scheduling flexibility. The batch generation facility in DB2 Test Database Generator allows you to define test data in advance and then schedule the generation process, using your preferred scheduler, for a time when resources are not at peak usage.

If development resources are being monopolized by test environment creation, maintenance or duplication, then DB2 Test Database Generator can help ease the challenges of systems maintenance and shift the focus back to business. The tool supports IBM DB2 Universal Database™, Version 8, Fix Pack 7 and later, for Linux, UNIX and Windows environments, and DB2 Universal Database, Version 7 and later for the z/OS environment.

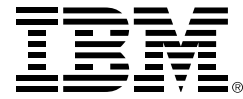
For more information

Please contact your IBM representative or IBM Business Partner, or visit our Web site for z/OS: **ibm.com/software/data/db2imstools**, or for multiplatform: **ibm.com/software/data/tools/mptools.html**.

When ordering IBM DB2 Test Database Generator, Version 2.2, please specify program numbers:

DB2 Test Database Generator for z/OS: 5697-I02

DB2 Test Database Generator for Multiplatforms: D53FYLL



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