

Keep your production and testing
database environments running in parallel



IBM DB2 Object Comparison Tool for z/OS



Highlights

- **Enables you to keep your IBM DB2® test and production catalogs synchronized**
- **Uses version files for comparison, providing increased flexibility**
- **Accounts for intentional differences and/or naming discrepancies between two sets of objects**
- **Runs as an extension of IBM DB2 Administration Tool for OS/390®, Version 2.1**

In sync and in business.

When you're relying on IBM DB2 Universal Database™ for OS/390 and z/OS®, Version 7 as your production database for business-critical information, it makes sense to have a duplicate system for testing and development. But keeping these two systems as mirror images can be challenging because new applications, application modifications or errors can trigger changes in the attributes of DB2 objects in one system but possibly not the other. That's why IBM offers IBM DB2 Object Comparison Tool for z/OS, a high-performance, yet highly affordable database administration tool.

With a rich set of functions, DB2 Object Comparison Tool makes it easy to compare objects (and dependent objects) from different sources and subsequently synchronize these sources.

Multilevel match-ups.

Using DB2 Object Comparison Tool, you can compare:

- *Objects from a DB2 catalog to objects residing in another DB2 catalog*
- *A file with data definition language (DDL) to another file with DDL*
- *A file with DDL to objects in a DB2 catalog.*

Whether you specify objects at the database level, the tablespace level or the table level, all dependent objects, such as views and indexes, are included in the comparison. Once you select an object, that object and its dependents are extracted from the catalog or DDL file and placed in a sequential data set, creating a version file (the source). You can then select the object to which the source should be compared. This object is then extracted from its catalog and placed in a separate sequential data set (the target).

A comparison of the source and target data sets results in the creation of a difference file. DB2 Object Comparison Tool generates a report of these differences for your review. Upon reviewing the report, you can direct the DDL generated to bring the target up to the same level as the source.

By using version files for comparison, you can:

- *Restore application objects to a previous version (backout)*
- *Compare a new version with several production versions (clones) of the objects.*

The tool's masking and ignore files—which address intentional differences and/or naming conventions—allow you to compare only the real differences that might exist between objects.

Features for your critical needs.

DB2 Object Comparison Tool supports both the z/OS and IBM OS/390 environments and runs as an extension to IBM DB2 Administration Tool for OS/390, Version 2.1, enabling you to take advantage of the functions in DB2 Administration Tool.

DB2 Object Comparison Tool consists of:

- *An interactive system productivity facility (ISPF) front end for specification of the objects to be compared*
- *A DB2 catalog extract function that pulls definitions from the catalog into a version file to support the comparison process*
- *A DDL extract function that reads DDL statements and converts them into a version file*
- *A batch compare function that compares two version files, produces a report describing the differences found and generates the information needed to apply changes to the target*
- *A batch job generator that provides everything necessary to apply the changes to the target.*

IBM tools for database administration.

DB2 Object Comparison Tool is one of a wide variety of database administration tools available from IBM designed to help you maximize system availability. Priced to meet your budgetary requirements while offering the features you need, IBM database administration tools are available for both DB2 and IBM IMS™ environments.

For more information.

Please contact your IBM marketing representative or IBM Business Partner, or call 1-800 IBM CALL within the U.S. Also, visit our Web site at ibm.com/software/data/db2imstools

When ordering DB2 Object Comparison Tool for z/OS, please refer to the following program number: 5697-G64.



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