

Idea: One to many compare

Currently, Db2 Object Comparison Tool supports only 1 to 1 compares between a source and target environment. Which means if the source is database, it can only be compared with one single database. The same applies if the source is a schema for tables.

Db2 Administration / Object Comparison Tool should be enhanced to support 1 to many compares. Which means, users should be able to specify wildcards for comparison targets. Db2 Administration / Object Comparison Tool would then look for matching target objects in the Db2 catalog.

For example:

The DBA specifies a list of source objects like this:

- Schema='DB2'
- Table names='TAB*'

The tool should look first in the source catalog for a list of matching tables, e.g.

- DB2.TAB01
- DB2.TAB02

Then it should look in the target catalog for corresponding tables in all schemas, e.g.

- V\$01.TAB01
- V\$01.TAB02
- V\$02.TAB01

Then it should compare matching objects and the matching dependent objects:

- Compare DB2.TAB01 to V\$01.TAB01 (and dependent indexes, triggers, views etc.) – and ideally parent objects too (database and table space)
- Compare DB2.TAB01 to V\$02.TAB01 (and dependent indexes, triggers, views etc.) – and ideally parent objects too (database and table space)
- Compare DB2.TAB02 to V\$01.TAB02 (and dependent indexes, triggers, views etc.) – and ideally parent objects too (database and table space)

There should also be option to suppress creation of new objects. So in this example, this option would allow or disallow Db2 Administration / Object Comparison Tool to create V\$02.TAB02 (which currently does not exist in the target).

The user should have an option to specify schema names which are excluded from the comparison.

The tool should generate one or optionally (depending on the number of job steps the DBA specifies as maximum) multiple CMBATCH jobs which run the actual comparison.

As a result the tool should generate one work statement list (WSL) and one comparison report for every source / target schema pair. Optionally the tool should combine all these WSLs into one larger WSL and report file.