



BCV5 Unique Features

BCV5|6 is the tool of choice for copying DB2 data, offering unmatched functionality, ease of use and savings of up to 90% in the areas of:

- Elapsed wall-clock time
- CPU time
- Total I/O's
- Staff time and effort

The following table highlights some unique features of BCV5|6 along with its core functionality.

	BCV5 6	Unload/Load	DSN1COPY	Cloning Tool
Copy entire databases, table spaces, tables and indexes (data and object definitions)	Y	Data only, all indexes are rebuilt, no DDL	Data only, no DDL	Data only, no DDL
Compare DDL with existing objects	Y	N	N	Y
Create objects with identical attributes in target, including indexes, auxiliary objects (views, aliases, synonyms) and GRANTS?	Y	N	N	N
Save and restore GRANTS of target objects if they are dropped and recreated	Y	N	N	N
Copy into existing objects without dropping and recreating	Y	Y	Y	Y
Copy LOB table spaces	Y	V8: only < 32KB, V9: Y	Y	Y
Automatically define additional pieces	Y	Y	N	N
Automatically detects if OBID translation is required	Y	Y	N	N
Automatically translate OBIDs without having to specify them manually	Y	Y	N	Y
Automatically rebuild indexes that only exist in the target	Y	Y	N	N
Automatically switch to UNLOAD/LOAD if structure differs	Y	N/A	N	N
Select objects using rules	Y	N	N	Y (LISTDEF)
Rename objects (creator and name) using rules	Y	N	N	N
Check if renaming leads to duplicate object names	Y	N	N	N (Rename not possible)
Change bufferpool and storage group of objects	Y	N	N	N
Generate a report of structural differences between source and target before copying	Y	N	N	N

	BCV5 6	Unload/Load	DSN1COPY	Cloning Tool
Copy clusters even if there are added columns	Y	Never copies clusters	N	N
Copy clusters even if there are dropped tables in a multi-table table space	Y	Never copies clusters	N	N
Copy RUNSTATS information	Y	Inline runstats	N	N
Copy from table spaces or from image copies	Y	Y	Y	N
Copy from full and from incremental copies	Y	Y but duplicate rows may occur	Y but high manual effort required	N
Automatically select the correct image copy data sets	Y	N	N	N
Automatically choose image copy data set from previous generation or by specifying a timestamp	Y	N	N	N
90% faster than UNLOAD/LOAD	Y	N/A	Y	Y
90% less resource consumption than UNLOAD/LOAD	Y	N/A	Y	Y
90% less manual efforts when preparing and executing copies	Y	N	N	Partially
Automatically copy in parallel threads	Y	N	N	N
ISPF and graphical interface	Y	N	N	N
Ability to run jobs with a scheduler	Y	Y	Y if no changes	Y
Copy consistent data without putting source objects in read only mode	Y	N	N	N
Copy only a subset of a table space's data	Y	Y	N	N
Ability to scramble columns of a table during the copy (masking)	Y	Only if unloaded file is processed by additional tools	N	N
Convert simple to segmented table spaces	Y	Y	N	N
Convert basic to reordered row format	Y	Y	N	N
Convert to smaller DSSIZE (for copying XA to non-XA)	Y	Y	N	N
Automatically handle sliding scale allocation	Y	Y	N	N
Automatically handle MAXASSIGNED value	Y	N	N	Y

