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IBM Business Partner

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BCV4™ FAST SUBSYSTEM CLONING

Full Db2 Subsystem Clones in minutes versus days

BCV4 duplicates Db2 and IMS subsystems running on the z/OS operating system. With BCV4, setting up and executing SAP homogeneous system copies, PeopleSoft test environments, and general QA system refreshes become simple job streams.

BCV4 is also an essential tool for IT staff implementing Db2 version upgrades.

BCV4 supports stand alone Db2 subsystems and data sharing groups and is compatible with copy services such as native ADRDSSU, Flashcopy, Snapshot, Shadow- Image, etc. BCV4 also clones complex systems, including combined IMS/Db2 environments. It automates the entire process: renames datasets, changes VTOCs and VVDS', creates new catalogs, re-catalogs all files and makes the new Db2 subsystem clone immediately usable.

Substantial Benefits

BCV4 is easy to install and execute: For each cloning task, you select from a list of configurations and navigate a short series of intuitive definition steps. Then, BCV4 does the rest, and creates the entire job stream from start to finish.

You can execute it using either the company scheduler or manually. You can also set it up so that after you submit the first job, all other jobs are automatically executed following the successful completion of their predecessors. It is also possible to submit each job manually.

Every step necessary to clone a Db2 subsystem is included in the job chain. The drawbacks of labor intensive, error prone tasks are eliminated and time lost due to reruns is a thing of the past. Once set up, a clone definition may be reused as often as desired. Subsequent executions eliminate the need for tedious setup tasks and expert Db2/IMS staff coordination.

Db2 cloning is accomplished with just the "push of a button."

How BCV4 Clones

Cloning is about copying and renaming many items as fast as possible.
BCV4 uses installed hardware assisted fast copy tools, standard ADRDSSU, or existing backups to create copies of volumes and datasets from the source Db2 or IMS subsystems. It executes specialized programs to rename and re-catalog all datasets on the target volumes.
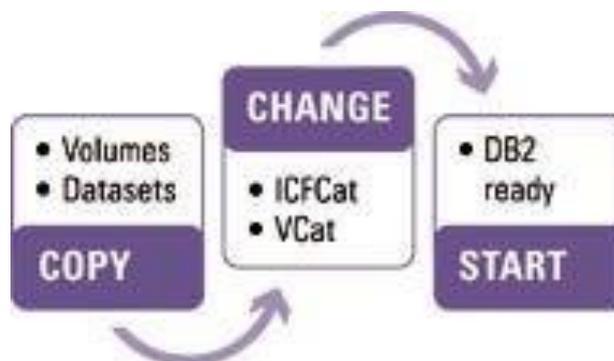It completes this task in a fraction of the time needed by the standard utilities.
After all source data is copied and available, BCV4 also changes the references to those names in the Db2 catalog, BSDS and log. It uses neither SQL nor any Db2 utility to perform these changes, and that's what makes it so fast.
Users commonly report time savings of 90% and higher.
When the target Db2 subsystem is brought up at the end of this process, it has renewed data and is ready to use. It is not magic, but solid craftsmanship with careful attention to detail that yields these performance boosts.

In Summary

Subsystem cloning no longer requires tying up valuable Db2 experts with a time consuming, tedious process that takes many hours or even days to complete.
Get a zero RC every time and enjoy the luxury of having an automated and scheduler driven process.
BCV4 makes »push button cloning« a reality. And best of all, it goes from start to finish in minutes instead of days.
• Avoid labor intensive and error prone manual work
• Reduce Db2 clone creation time from days to minutes
• Clone Db2 subsystems in a 24x7 environment
• Eliminate the need for system downtime

BCV4 – Select Clone Type

ID . . . . : 21
Task Description ===>
Db2P to Db2T daliy clone

Clone Type 1
1. Db2 Clone volume based
2. Db2 Clone dataset based
3. Db2-IMS Clone volume based
4. Db2-IMS Clone dataset based
5. IMS Clone volume based
6. IMS Clone dataset based
7. Volume clone

Select from seven predefined clone types and let the application provide step by step guidance with easy to use definition screens. This process yields a flawless clone definition. No more guesswork.
All the required parameters are provided in ready-to-execute streams.

Select source Db2 subsystem.

Selected: DBBG
CMD   SSID
        DBAG
        DBBC
s   DBBG
        DBCH
        DBCI

During the clone definition process, BCV4 lists all Db2 subsystems and retrieves all information required to complete the cloning definition. There is no need to remember or look up library names, BSDS names, active log names, ICF catalog names, aliases, volume names, etc. BCV4's expert engine finds them all.

Specify rename rules.

	SOURCE	TARGET
SSID	DBBG	GUHT
Version 1118		
BSDS1	DSNB10.BSDS01	GUHDBT.BSDS01
BSDS1	DSNB10.BSDS01	GUHDBT.BSDS01

		Active Log Datasets	
Type	Source		Target
LG1	DSNB10.LOGCOPY1.DS01		GUHDBT.LOGCOPY1.DS01
LG1	DSNB10.LOGCOPY1.DS02		GUHDBT.LOGCOPY1.DS02
LG1	DSNB10.LOGCOPY1.DS03		GUHDBT.LOGCOPY1.DS03
LG2	DSNB10.LOGCOPY2.DS01		GUHDBT.LOGCOPY2.DS01
LG2	DSNB10.LOGCOPY2.DS02		GUHDBT.LOGCOPY2.DS02
LG2	DSNB10.LOGCOPY2.DS03		GUHDBT.LOGCOPY2.DS03

Since the better part of cloning involves renaming, BCV4 provides an easy way to derive the target names from the source names using a set of simple rules.

BENEFITS

• Clones entire Db2 and IMS systems at benchmark setting speeds
• Automates the cloning process
• Reduces manual tasks to a minimum
• Eliminates keystroke errors
• Compatible with Timefinder, Snapshot, Flashcopy, ShadowImage etc.
• Creates SAP/Peoplesoft/Db2 clones for test environments
• Creates testbeds for release changes, upgrades, new versions and function levels
• Allows cloning of Db2 systems in non-stop 24x7 environment

FEATURES

• Uses installed fast copy facilities when available
• Renames and re-catalogs all datasets in minutes
• Renames Db2 directory and catalog entries according to your naming conventions
• Handles additional modifications, like DDF settings
• Makes BSDS and active log modifications
• Brings up a ready-to-use target subsystem
• Automatically builds volume lists from SMS storage groups
• Includes IMS cloning
• Offers an automated submit mode to run a self contained job chain
• Provides easy to use definition screens
• Guides the user through all required definition items

For information please visit **www.dbasistemi.it** or email **info@dbasistemi.it**

DBA Sistemi Srl - Software per i Sistemi Informatici
Head Office: Via della Casanova 3 - 50012 Bagno a Ripoli (Firenze); Tel.+39 055 600636
North Italy Branch: Via Baranzate 47A - 20026 Novate Milanese (Milano)
e-mail: **info@dbasistemi.it**; web: **www.dbasistemi.it**