BCV4™
FAST SUBSYSTEM CLONING

BCV4 duplicates DB2 and IMS subsystems running under the z/OS operating system. It sets the standard for creating DB2 subsystem clones. Making, setting up, and executing SAP Homogeneous System Copies, PeopleSoft test environments, QA system refreshes, and general DB2 applications testing are simple job streams. BCV4 is the preferred solution for creating SAP/DB2 and Peoplesoft/DB2 test environments. BCV4 is an essential tool for IT staff implementing DB2 version upgrades.

BCV4 supports "single" and "shared" environments and is compatible with copy services such as native ADRDSSU, Flashcopy, Snapshot, ShadowImage, etc. BCV4 also clones complex systems including combined IMS/DB2 environments. It automates the complete 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

Easy to install and execute: the user selects from a list of cloning configurations and navigates a short series of intuitive definition steps. Only required information that BCV4 cannot find by itself is solicited from the user. For each cloning project, BCV4 creates a job stream that goes from start to finish. It is executed either using the company scheduler or under the manual control of the operational staff. After running the first task, all other jobs automatically execute following the successful completion of their predecessors.. Of course, it is also possible to submit each job manually.

Each and every step necessary to clone a DB2 subsystem is included in the job chain. The pitfalls of labor intensive and error prone tasks are eliminated. The time lost to reruns are a thing of the past. Once set up, a clone definition may be re-used as often as desired. Subsequent executions eliminate the need for tedious setup tasks and expert DB2/IMS staff coordination. DB2 cloning is accomplished with the "push of a button."
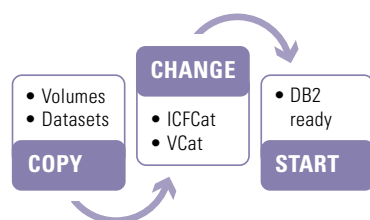
How BCV4 Clones

Cloning is about copying and renaming many items and the faster the better. BCV4 uses installed hardware fast copying 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 runs specialized programs to make the necessary name changes required by the DB2 Catalog. It uses neither SQL nor any DB2 utility to perform these changes. This is the source of its speed. Time savings of 90% and higher are commonly reported by users. When the target DB2 subsystem is brought up at the end of this process, it has re-newed data and is ready to use. It is not magic, but solid craftsmanship with careful attention to detail that yields these performance boosts.

Contact ESAI at: 1-866-464-3724 or sales@ESAIGroup.com

BCV4™ – FAST SUBSYSTEM CLONING

» *Amazing speed and simplicity – saves a whole day on each clone.* «

In Summary

Subsystem cloning no longer requires tying up valuable DB2 experts with a time consuming, tedious job 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, go from start to finish in minutes not days.

- Avoid labor intensive and error prone manual work.
- Reduce DB2 clone creation from days to minutes.
- Clone DB2 subsystems in a 24x7 environment.
- Eliminate the need for system downtime.

Benefits

- *Quickly clones entire DB2 and IMS systems*
- *Automates the cloning process*
- *Reduces all manual tasks to a minimum*
- *Eliminates keystroke errors and other user miscues*
- *Compatible with Timefinder, Snapshot, Flashcopy, ShadowImage etc.*
- *Creates SAP/Peoplesoft/DB2 clones for test environments*
- *Creates test-beds for release changes, upgrades and new versions*
- *Allows cloning DB2 systems in a non-stop 24x7 environment*
- *Simple setup and execution yields clones at benchmark setting speeds*

```
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 pre-defined 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: DB8G
CMD  SSID
     DB7G
     DB8C
s    DB8G
     DB8H
     DB8I
```

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      DB8G             GUHT
Version 815
BSDS1    DSN810.BSDS01    GUHDBT.BSDS01
BSDS1    DSN810.BSDS01    GUHDBT.BSDS01
            Active Log Datasets
   Type Source              Target
   LG1  DSN810.LOGCOPY1.DS01  GUHDBT.LOGCOPY1.DS01
   LG1  DSN810.LOGCOPY1.DS02  GUHDBT.LOGCOPY1.DS02
   LG1  DSN810.LOGCOPY1.DS03  GUHDBT.LOGCOPY1.DS03
   LG2  DSN810.LOGCOPY2.DS01  GUHDBT.LOGCOPY2.DS01
   LG2  DSN810.LOGCOPY2.DS02  GUHDBT.LOGCOPY2.DS02
   LG2  DSN810.LOGCOPY2.DS03  GUHDBT.LOGCOPY2.DS03
```

The BCV4 clone definition facility finds all source information. Since the better part of cloning involves renaming, BCV4 provides an easy means to build the target names. It applies simple rules to the source values.

BCV4™ – FAST SUBSYSTEM CLONING

» *Making a new clone is now easy,*
affordable and reliable. «

Features

- *Uses installed fast copying facilities when available*
- *Renames and re-catalogs all datasets in minutes*
- *Renames DB2 Directory and Catalog entries in standard naming conventions*
- *Handles additional modifications, e.g. DDF related changes*
- *Makes BSDS active Log modifications*
- *Brings up a ready to use target subsystem*
- *Automatically builds volume lists from SMS Storage Groups*
- *IMS cloning included*
- *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*
- *Presets all source parameter values based on the source environment's actual values*

The DB2 High-End Product Line:

BCV4™
Full DB2 Subsystem Clones in minutes versus days

BCV5™
Save 90% CPU & Run Time with each DB2 copy

BCV6™
Log enhanced copies for 24x7 DB2 refresh/migration

BPA4DB2™
Premier advisor for DB2 buffer pool optimization

ULT4DB2™
Easily identify & restore unwanted changes of DB2 data

TUC4DB2™
RTS & Policy driven automation of DB2 data maintenance

XM4DB2™
Pro-active surveillance for a greater DB2 availability
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Contact Us For More Information
We offer a free 30-day trial evaluation as well as private web demo. Learn more about BCV4 and our complete line of DB2 z/OS products at:

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