

# Database Utilities

## Data Sheet



## CDB/®Auto-Load V9.0.6

CDB/Auto-Load for DB2® for z/OS™ is a high performance easy-to-use utility to populate DB2 tables. Designed with flexible options, CDB/Auto-Load can meet any requirements as far as performance and availability. CDB/Auto-Load SORTs the input data so DBAs do not have to run multiple steps to populate their DB2 tables. CDB/Auto-Load streamlines the Load process through advanced processing techniques and built-in intelligence providing more availability and control no matter how much data is managed or how many rows need to be loaded.

### Key Benefits

- Extensive zIIP exploitation for reduced CPU costs
- Built-In Automation
- Reduced CPU and Elapsed time
- Optional Online Load Resume
- Optimized multi-tasking and parallel processing through CDB/Server Technology
- Built-In SORT eliminates the need to preprocess the data

### The Challenge

Load utilities run too long and consume too many resources.

You want to use the Load utility to get records into tables faster than Insert applications and use fewer resources. But Load makes your tables unavailable and when Loads fail they can leave you with a mess; data partially loaded and indexes out of sync. Then you must perform a lengthy recovery of Tablespace and then Indexes just to get back to where you started.

### The CDB Solution

When using the traditional Load Replace or Resume, or the online SHRLEVEL CHANGE RESUME YES load where your data remains updateable during the load, CDB is significantly faster than the native DB2 Load.

### Efficient

CDB/Auto-Restore uses efficient I/O techniques directly to the DB2 VSAM datasets. Your Loads will run faster and use fewer resources.

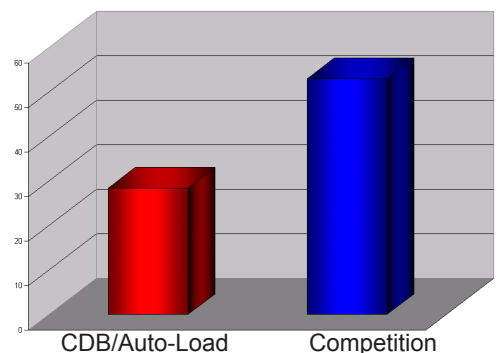
### Flexible

CDB/Auto-Load allows for several different input formats for all application needs. Besides accepting DSNTIAUL, Unload and Archive formatted data, CDB/Auto-Load performs extensive data conversions eliminating preprocessors.

### Fast

Through advanced internal techniques and implementation of CDB Next Generation Technology, CDB/Auto-Load is capable of loading the largest amounts of data at incredible speeds. Through CDB Server Technology, throughput is maximized with optimal parallelism across a sysplex environment.

CDB/Auto-Load with NGT is even faster than previous versions which had become the industry benchmark for data loading performance.



\*Benchmarks made on 33 Million row 30 partition tablespace with 5 NPIs in DB2 V8

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### Important and unique features

#### • Safe

In the event of an error CDB/Auto-Load can instantly put your table back to the way it was prior to the load. No more lengthy recoveries and outages.

#### • Flexible Input Data Format

Besides accepting DSNTIAUL, Unload, and Archive formatted data, CDB/Auto-Load performs more extensive data conversions than the IBM Load utility. CDB Load recognizes input data as numeric and performs needed conversions eliminating the need for separate preprocessing jobs.

#### • Limit messages

You can limit the number of Duplicate or Discard messages so the load doesn't generate millions of lines of output and cause system issues.

#### • Data Cleaning

As an option, CDB/Auto-Load can create a "cleaned-up" version of the input data with duplicate keys and discards removed. This dataset can then be used in other processes, and may save you the need to unload the data after a load.

#### • CDB/eSORT of Input Data

CDB/Auto-Load will invoke a proprietary SORT for your input data. CDB/Auto-Load will generate the SORT based on the definition of the Clustering Index. CDB/eSORT is designed specifically for CDB tasks so it is tailored to the needs of the program providing the highest possible efficiency. Variable keys are sorted without being padded.

#### • Conditional Processing

CDB Load accepts all relational operators not just WHEN, CONTINUEIF, NULLIF, and DEFAULTIF clauses.

#### • Rowid Column support

When loading DSNTIAUL format data for ROWID columns that are defined as NOT NULL GENERATED ALWAYS, CDB/Auto-Load will generate valid ROWIDs at load time.

#### • Next Generation Server Technology

CDB automatically processes objects in parallel and gives you the ability to control the degree of parallelism and resources used.

A single job spawns multiple address spaces to better manage throughput and maximize parallelism. Work is automatically spread across address spaces to manage memory and avoid bottlenecks. Return codes are passed back to the submitted job for easy maintenance.

#### • Automatic zIIP Exploitation

All work that is able to be processed by a zIIP processor is automatically assigned to zIIP for processing. Internal processes have been specifically written and rearchitected to take operate in Enclave SRB mode to reduce CPU costs.

#### • Online Load Resume

As an option, CDB/Auto-Load can process a Load Resume while leaving the object available in RW status for application processing.

#### • Windows Based Management Console

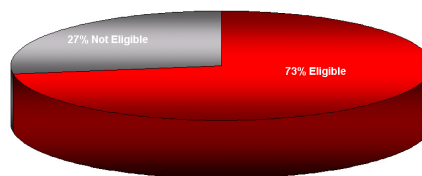
Utilities can be monitored through a Windows based management console to easily track and manage tens of thousands of objects. View output, track statistics and RTS, and easily diagnose problems with the click of the mouse.

### About CDB Software

CDB Software, Inc. is a leader in data management solutions for DB2 z/OS. CDB focuses its business on DB2 for z/OS to provide unique and innovative solutions that enable companies to expand their DB2 system to meet business needs while controlling the overall cost of the mainframe. Founded in 1985, CDB is a privately held corporation based in Houston, Texas with offices worldwide.

For more information, visit:  
[www.cdbsoftware.com](http://www.cdbsoftware.com)

CDB/Auto-Load 9.0.6 CPU  
zIIP Eligibility



\*Benchmarks made on 42 Million row  
10 partition tablespace with 2 NPIs in  
DB2 V8

