

Database Utilities

Data Sheet



CDB/® Auto-Online Unload V9.0.6

CDB/Auto-Online Unload for DB2® for z/OS™ efficiently unloads data from DB2 tables into several customizable formats flexible enough to meet any DB2 enterprise needs. Through wildcard selection and built-in automation, a single unload statement could unload an entire datacenter while reducing elapsed time and CPU usage through multi-tasking and parallel processing, all while providing full availability to applications. CDB/Auto-Online Unload streamlines data management processes no matter how large DB2 tables become.

Key Benefits

- SHRLEVEL REF Unload while object remains RW
- Built-In Automation
- Reduced CPU and Elapsed time
- Flexible output formats
- Optimized multi-tasking and parallel processing through NGT Server Technology
- Extensive WHERE CLAUSE support
- Automatic Exploitation of zIIP processors

The Challenge

In a highly competitive business environment, companies increasingly require maximum availability of business-critical data. Additionally, companies must now maintain larger amounts of data with fewer resources. Speed of processing is of the essence, as is minimal disruption to the operation of the business. However, as the number of applications grows, converting necessary DB2 data to different formats, extracting various subsets of DB2 data, and moving DB2 data to other systems or platforms becomes more time consuming and labor intensive.

The CDB Solution

CDB/Auto-Online Unload is a tool that extracts data from DB2 tables and puts it in sequential files in a fraction of the time it takes the IBM DB2 sample program to do the same function. CDB/Auto-Online Unload also offers more flexibility in the areas of data formatting and conversions. CDB/Auto-Online Unload unloads your tables in SHRLEVEL REFERENCE mode while they are open to DB2 for Read-Write operations. CDB's advanced processing techniques and parallel processing saves resources and greatly reduces elapsed time.

Built-In Automation

Only CDB has automation built into each utility. All dataset sizing, allocating, and

destination media can be automated. If Unloading to Tape, your files are always stacked efficiently. CDB Automation greatly simplifies jobs and reduces errors and support calls.

Full Availability

CDB/Auto-Online Unload not only has all the features and automation but also Unloads objects while they are online to your applications. With CDB/Auto-Online Unload your tables and indexes RW 100% of the time while delivering a SHRLEVEL REFERENCE Unload.

Efficient Processing

By working completely outside of DB2, not using DB2's Buffers or Logs, we use fewer resources and do not affect, and are not affected by, any processing on any other table in your system.

Important and unique features

• Unload Output Formats

Output formats supported by CDB Unload are: DSNTIAUL, Unload, Archive, ASCIIIDEL, Report, and External. In addition, CDB offers a flexible output format to massage data as it is unloaded to create virtually any format necessary.

• Multi-tasking/parallelism

CDB Unload can, with one pass of a table,

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make up to eight different unloads with eight different Where clauses and even write different unload formats. You don't have to separate your Unloads and process the Source table multiple times. When unloading partitioned tablespaces you can read up to 32 partitions in parallel and write to one file or write those partitions to separate datasets in parallel. The performance gains this provides is astounding.

- **Extensive Where Clause support**

With CDB/Auto-Online Unload your WHERE clause can include advanced clauses such as CASE statements and Subselects that reference other tables.

- **100% RW**

You control the Sync point process eliminating outages. Quiesce is not called and your objects are not UTRO, they are RW for the duration of the Unload.

- **Next Generation Server Technology**

You don't have to separate your Unloads into multiple jobs to process them in parallel. 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.

- **Unload from Image Copy**

You can Unload from an Image Copy or DSN1COPY. Even if the object has been dropped and recreated, you just specify the alternate OBID.

- **Customizable Load Statement**

When the Load statement is generated you can easily control the options on that statement. Options like LOG NO RESUME NO REPLACE can easily be generated eliminating the need to edit the output or endure the support issues that come from forgetting.

- **Limit Rows Unloaded**

With simple parameters you can unload every Nth row and/or you can stop the unload after N rows have been unloaded.

- **EURO Currency Conversion**

CDB Unload can automatically convert currencies to/from the previous currencies of nations participating in the European Union.

- **Space management**

Dataset allocation is dynamically controlled using your rules. Whether you use SMS, Stogroups, or User Defined datasets we automate and control the allocations and extending of datasets.

- **GDGs**

Unload automation makes it easy to unload to GDGs. CDB will even create the GDG base for you if it doesn't exist, preventing support calls.

- **Outside of DB2**

CDB Unload operates on the DB2 VSAM datasets outside of DB2 while DB2 is

processing them. CDB does not use DB2's Buffers or Logs. CDB uses a fraction of the CPU that IBM and the others use. Your applications are safe and unaffected.

- **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 to and rearchitected to take operate in Enclave SRB mode to reduce CPU costs.

- **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

