Partition Management

Data Sheet

CDB Software, Inc.

CDB/®Auto-RePart V7.4.0

CDB/Auto-RePart for DB2® for z/OS™ handles all of your partition management needs. CDB/Auto-RePart can rebalance, add, drop or split partitions based on automatically generated or manually created limitkeys. Simple or Segmented tables can be automatically converted to any size partition tablespace. Auto-RePart provides the flexibility to perform powerful "What If" processing while leaving the DB2 object available for application processing so that the final repartitioning creates no surprises and fits the environments needs.

Key Benefits

•Singe Step Repartitioning

•Online What-If Processing

•Flexible methods to determine new limitkeys

•Simple and Segmented Tablespace conversion

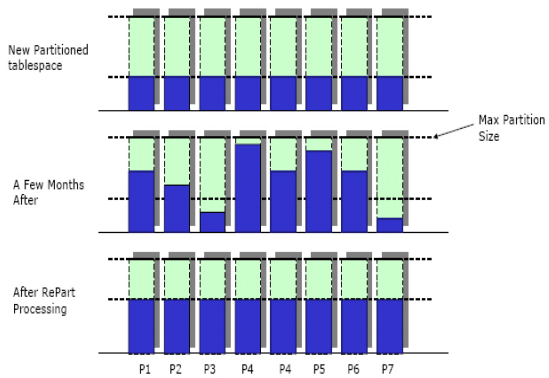
•Fast No-Sort Technique

The Challenge

Not all partitions grow at the same rate, some or all may be reaching their physical limit. A long and painful outage is required to attempt to repartition the tablespace.

If you want to change the DSSIZE of the partitions you have to drop and create everything.

Before you can attempt to rebalance you have to choose the new limitkeys. This can be tricky, especially with non-unique partitioning indexes. If you choose limitkeys incorrectly and then upon Reorg reach a datasets size limit you can't finish the Reorg or update the limitkeys!



The CDB Solution

CDB/Auto-RePart calculates the new partition boundaries to balance all or a range of partitions based on all columns of the key or any subset of the columns of the key. CDB/Auto-RePart then repartions the data while reorganizing, copying, collecting Runstats, and converts the datasets to Large or different DSSIZE if requested.

Flexible

With CDB's built-in automation you can easily make the partitions unbalanced to suit your needs or leave empty partitions at the end for growth. Limitkeys can be specified based on any application logic necessary. You can even split individual partitions into multiple partitions. CDB/Auto-RePart will convert non-partitioned tablespaces to any size partitioned tablespace. It also gives the user the option to run "What-If" processing in Read-Write mode to analyze the object and determine the final outcome with different factors.

Easy-to-Use

Partitions are balanced, reorganized and datasets made large with one step that uses our extremely fast and safe No-Sort techniques. Your objects are not dropped. If you want to add partitions or convert a Segmented Tablespace to Partitioned a drop and create is required and will be generated to be run in the middle of the Repart job.

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Fast
Through efficient I/O techniques that remove the need to sort the data and streamline the initial analysis phase, the entire repartitioning project is taken from several man-hours and SORT intensive DB2 Reorgs to minutes of a hands-free CDB/Auto-RePart job.

Safe
CDB/Auto-RePart will always calculate the correct limitkeys based on the portion of the key you want and will leave you with a way to get back to your original table and data quickly if errors occur.

Important and Unique features

- **New Limitkeys**
  CDB/Auto-RePart will automatically determine the new limitkeys based on physical size or row count and then give you the opportunity to change them using CDB's built-in automation.

- **Non-partitioned Tablespaces**
  CDB/Auto-RePart will even convert Simple Tablespaces to Partitioned Tablespaces, balanced and reorganized.

- **USE Keyword**
  The optional USE keyword allows the DBA to create enough partitions for future growth of an application, but have CDB/Auto-RePart "USE" only X number of partitions to rebalance. The end result is a rebalanced X part tablespace with empty 1 track partitions available for future repartitions.

- **Archive/Purge**
  CDB/Auto-RePart can, based on simple SQL, purge or archive data during the repartitioning of the Tablespace.

- **Integrity Checks**
  CDB/Auto-RePart performs extensive integrity checks including the Index RID check that is performed by DB2's Check Index. CDB will not mask but will point out existing data integrity issues.

- **Data Compression**
  CDB/Auto-RePart will automatically rebuild each parts compression dictionary.

- **Rename**
  CDB/Auto-RePart can rename the Tablespace, can specify a different Database to put it in, and can rename the Table and Index Creator.

- **What-If Processing**
  CDB/Auto-RePart can optionally run just the analysis phase while leaving the object in RW status and available to applications. This gives the user to run several different scenarios to determine the best fit for the applications.

- **No Sort Technique**
  Sort is expensive and slow. A sort of a multi-hundred million row tablespace would require massive amounts of SORT DASD and time that are not available in a 24X7 environment.

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