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Fast-Class File

Client Data System

Volume 101: Database Rebuild

The Database Rebuild utility is designed to maintain the integrity of the indexes where your data is stored. The indexes where your data is stored can be compared to the card file in a library. When the card file is well organized, the books are easy to find – in the same way, performing a database rebuild ensures that the indexes of your database are well organized and CDS can find your data quickly and easily.

E-Z Data Database Rebuild Recommendations

For peak efficiency, a database rebuild should be performed -

- at least monthly
- when importing or converting large amounts of data

A DATABASE REBUILD IS REQUIRED WHEN UPGRADING CDS.

Before Running the Database Rebuild Utility -

- Create a secure copy of your CDS database(s).
- Ensure that all users have logged out of CDS.

Note: Since all users must be logged out of CDS during a rebuild, E-Z Data recommends that you schedule monthly rebuilds after hours or during a weekend when no users will need to log in to CDS.

To Perform a Database Rebuild:

• From the Start menu, select Programs or All Programs, Client Data System, CDS Utilities, CDS Database Utilities.

• In the **Database Utilities** window, Click the **Tools** drop-down and select **Database Rebuild**.

🖌 Database Utilities	
Databases	Tools Database Rebuild This utility is used to clean and maintain your database. Periodically database indexes may need to be recreated especially following data imports, conversions or heavy daily use. Ideally this utility should be run monthly.
Unselect All	Select All Rebuild Exit

Figure 1: The Database Utilities window



• In the **Databases** section of the **Database Utilities** window, select one database to rebuild. To deselect a database, simply click on the selected database to be deselected. Select a database in the same fashion. Important: For optimal data integrity E-Z Data recommends using only one database. However, if it becomes necessary to use multiple databases, each database must be rebuilt separately, one database at a time.

• Click the **Rebuild** button.

CDS will begin the process of rebuilding the indexes that house the data in the selected database. This can be a lengthy process depending on the size of the database. As noted earlier, no users will be able to log into CDS during a rebuild.

• As the final step in the rebuild process, CDS will display a **DBUTIL** prompt window.

💰 DBL	ITIL
?	Replace Database? If an error caused this process to stop at any time, click "No" and contact technical support, otherwise click "Yes."
	Yes No

Figure 2: The DBUTIL prompt window.

Replacing the database is an essential step in rebuilding the database. To successfully complete the process, you must replace the database.

If an error occurs during the rebuild process, the old database should not be replaced. If an error occurs, write down the error or make a screen capture of the error and contact technical support.

 If no errors occurred during the rebuild process, select Yes in the DBUTIL prompt window and replace the database.

• The Database Rebuild window will display an entry indicating that a database rebuild has been successfully completed.

🖌 Database Rebuild	
Collation sequence: 1252LATIN1 Creating system views Setting permissions on system tables and views Setting option values Initializing UltraLite deployment option Database "C:\Program Files\CDSWin\CONTACTS\tempdb\temp.db" created successfully Database rebuild successful !	
ОК	

Figure 3: The Database Rebuild window (rebuild successful)

After a successful database rebuild, users can log in to CDS as normal.

