

Garbage V2.01 for Win32

Program Description

The Garbage program is a garbage collection processor for Btrieve-based relational databases.

In any relational database, it is possible to have one file in the database get out of sync with other files in the database, causing orphaned records. While this shouldn't happen in theory, it often does occur in practice. These orphaned records cannot easily be eliminated without detailed knowledge of the data structures. However, if this information is available, then tools are available to handle this. The first tool that should be considered is an SQL query, since a simple query can read the DDF's and may be able to properly clean out the files regardless of indexes. The downside to this method is performance, which may be very bad on a large data set, and scalability, since large sets of data cannot easily be cleared due to the Pervasive transaction scheme.

To get around this, the Garbage program can be used. It scans a given file (SRCFILE) by a specified key (/K). For each record it finds, it then extracts a set number of bytes (/L) from a given byte offset (/O). Finally, it generates a Btrieve GetEqual request against the second data file (DESTFILE) on the indicated key (/I). If the record does not exist in DESTFILE, the current record is removed from SRCFILE.

This utility was originally written for Zurich Kemper Life, and the defaults are customized for their Cybertek application.

Platform and Package

Win32; Btrieve Utilities Resources & Tools; GSLic

Pricing

\$50 Single-User License; \$100 Site License

Command Line Syntax and Help Screen

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Usage: GARBAGE SrcFile DestFile [/K##] [/I##] [/O##] [/L##] [/S] [/D]

```
This command scans one Btrieve File looking for orphaned records that
don't exist in the second, then it deletes any orphans.
/K## specifies a key to traverse in SrcFile (Default=-1).
/I## specifies an index to look up in DestFile (Default=0).
/O## specifies an offset in the SrcFile for the Key value (Default=13).
/L## specifies a length of the key value (Default=10).
/S enables SCAN mode: Do not delete, just report totals.
/D enables DEBUG mode.
```

NOTE: Defaults customized for ZKL StatusRequirements & Policy!

Examples and Sample Usage

None.

The GarbageT program is available to work with a text file as DESTFILE.

Other Information

Garbage is part of the Btrieve Utilities, Resources, & Tools toolkit.

A DOS version is also available.

For more information on these utilities contact us at www.goldstarsoftware.com

Version History

Version 1.3: First documented version

Version 2.0: Compiled as Win32 and added GSLic capability.

Version 2.01: Updated licensing code.

Known Problems

The current version is limited to an 57K record size only.

