

GSBackup V2.01 for Win32

Program Description

The GSBackup utility was written as a way to simplify the use of Continuous Mode operations (ContOps) for database administrators.

Whereas the normal BUTIL application requires a clean list of files, GSBACKUP can actually leverage filespecs (including *.*) to build its own list of files for ContOps. This greatly eases the burden on system administrators for applications which create and destroy files periodically, such as every day or month, but still need to use ContOps for proper backups.

There are two modes of operation, Single File and Block. The Single File mode will process each file independently, such that if there is an error, it can be safely ignored, and the rest of the database is still protected. However, this means that multiple files in the same database may be put into ContOps at slightly different times, resulting in a potential RI problem. Block mode protects against this, but suffers from errors if duplicate base filenames are encountered. The /O switch can be used to test all files (by opening them) to verify that they are Btrieve files before adding them to the block.

(Note: Even in block mode, the program can only send 57K of filename data to the database at one time, so it is possible for a large block to still be split across multiple calls, encountering RI problems. If this is a worry for you, limit the size of the filespec results or use BUTIL for maximum control.)

The NetWare option offers support for building a dynamic list of files for a NetWare server based on a filespec. This option helps you to easily create a list of database files that can be sent to BUTIL on the server console (via CRON).

Platform and Package

Win32; Btrieve Utilities Resources & Tools; GSLic

Pricing

\$100 Single-Server; \$250 Site License

Command Line Syntax and Help Screen

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```
Usage: GSBACKUP <filespec> [/B] [/O] [/M] [/N<VolName>] [/S]
This command places each Btrieve file from <filespec> into Continuous Mode.
/B ==> Processes Blocks of Files (Default is One File at a Time).
/O ==> Open Each File While Scanning (Slower, but less prone to errors).
/M ==> Displays File Names (Messages) During Processing.
/N ==> NetWare Mode: Send a file list to StdOut with provided Volume name.
/S ==> Recurses Subdirectories Looking for <filespec>.
```

```
Usage: GSBACKUP /E
The second form of the command removes all GSBACKUP files from Continuous Mode.
/E ==> Removes All Files From Continuous Mode.
```

Examples and Sample Usage

The following command puts all MKD files in the current directory into ContOps, one at a time. This is the best way to prevent errors, since it just ignores any files that error out, but it can suffer from RI problems in rare cases:

```
GSBACKUP *.MKD
```

This command uses block-mode ContOps calls for all files in all subdirectories from the current location, and tries to protect against problems with RI. Note the use of the /O switch to validate (open) each data file prior to adding it to the block. This is much safer, but slower.

```
GSBACKUP *.MKD /S /B /O
```

For NetWare servers, GSBackup cannot run directly on the server. However, this is no longer a limitation with v1.3! If you scan a remote drive letter and provide the /Nvolume switch, it will simply output the proper filenames (with the volume

name header) to stdout, allowing you to redirect that output to a file list. This file list can then be used directly by BUTIL –STARTBU on the server! The proper command to scan the J: drive which is mapped to the server’s VOL1 directory, outputting all filenames that match a *.MKD filespec to the VOL1:FILES.LST file would look like the following:

```
GSBACKUP J:\*.MKD /S /NVOL1 >J:\FILES.LST
```

Once this command runs, the command line on the server “BUTIL –STARTBU @VOL1:FILES.LST” can be executed. Done with proper scheduling of tasks on the client (for GSBackup) and the server (BUTIL) can result in a variable (and automated) backup process! Use it with the /O option for best results. (Note that you can NOT use the /B switch with this option.)

This command removes any files from GSBackup mode. (Use BUTIL for NetWare servers.)

```
GSBACKUP /E
```

Other Information

GSBackup is part of the Btrieve Utilities Resource & Tools package.

A future version that also copies the targeted data files to another directory is planned, but not yet implemented.

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

Version History

Version 1.0: First documented version

Version 1.1: Added Block and FileOpen capabilities.

Version 1.2: Added code for Trial release.

Version 1.3: Added support for NetWare option.

Version 2.0: Added GSLic capability; Created Evaluation Download

Version 2.01: Updated licensing code.

Known Problems

The block mode will fail if it encounters a duplicate base file name.