

Goldstar Software Inc.

Utility Program
Documentation

Table of Contents

AlterNum v1.0 for DOS	5
AlterUNF v1.1 for DOS	6
AnyUsers v1.0 for DOS	7
BldIndex v1.0 for DOS	8
Breaker v1.4 for DOS	9
Breaker v2.2 for Win32	10
ChkBFile v1.1 for DOS	11
ChkIndex v1.2 for DOS	12
ChUsrPwd v1.0 for Win32	13
ConvRpt v1.0 for DOS	14
CountExt v1.3 for DOS	15
DelDrive v1.0 for DOS	16
DelUpTo v1.1 for DOS	17
DDFAttr v1.2 for DOS	18
DDFDate v1.2 for DOS	19
DDFRSVP v2.1 for DOS	20
DDFUsers v1.0 for DOS	21
ExpAddr v1.1 for DOS	22
FileChk v1.2 for DOS	23
FindBad v1.4 for DOS	24
FindLP v1.1 for DOS	25
FixDates v1.2 for Win32	26
FLoad v2.1 for DOS	27
FSave v2.1 for DOS	28
FPrint7 v2.1 for DOS	29
FPrint v3.0 for DOS	30
FPrint v4.1 for Win32	31
Garbage V1.3 for DOS	32
Grep v2.3 for DOS	33
Grep32 v3.1 for Win32	34
GSBackup V1.2 for Win32	35
HoldOpen v1.0 for DOS	37
HoldOpen v2.0 for Win32	38
HPSet v2.5 for DOS	39

KeyCheck v1.2 for DOS	40
KeyCheck v2.5 for Win32	42
KeyMgr v1.0 for DOS	45
KillPre v1.0 for DOS	46
KillUser v1.0 for Win32	47
ListDPg v1.1 for DOS	48
ListDPg v2.0 for Win32	49
ListStat v1.4 for DOS	51
ListStat v2.6 for Win32	53
LPLookup v1.1 for DOS	57
LPLookup v2.0 for Win32	59
MakeBat v1.0 for DOS	60
MakeNum v1.0 for DOS	61
Maker v1.3 for DOS	62
Maker v2.0 for Win32	63
MakeRecs v1.1 for DOS	64
MakeUNF v1.1 for DOS	65
MoveDDF v1.1 for DOS	66
MoveRecs v1.3 for DOS	67
MrgFile v1.1 for DOS	69
MXZLExp v1.9 for Win32	70
OpenClos v1.1 for DOS	72
PATCheck v1.3 for DOS	73
PATCheck v3.0 for Win32	74
PATFix v1.6 for DOS	76
PATFix v3.1 for Win32	77
PPLookup v1.1 for DOS	78
PPLookup v2.0 for Win32	79
PSConfig v2.10 for Win32	80
ReadFile v1.3 for DOS	82
RemFile v1.0 for DOS	83
SetTrace v1.0 for Win32	84
ShowParm v1.0 for DOS	85
SQLExec v1.4 for Win32	86
UpdtRecs v1.1 for Win32	88
UpdtTabl v1.2 for DOS	89

VarCheck v1.1 for DOS.....	90
VLoad v2.0 for DOS.....	91
VSave v2.1 for DOS	92
VPrint v2.0 for DOS	93
VXRef v2.0 for DOS	94
WatchIt v1.0 for Win32.....	95
Template.....	96

AlterNum v1.0 for DOS

Program Description	<p>The AlterNum utility was created in response to a problem found in the Pervasive ActiveX Controls. We determined that data of type NUMERIC was not getting saved correctly with these controls, and instead of leading "0" characters, it was inserting NULL bytes.</p> <p>AlterNum provides a way to fix this data quickly, by exporting the data set to a UNF file, then running AlterNum on the data, and reimporting the data back in. We decided not to fix the data in-place due to unknown indexing problems that might arise if the field were an index.</p>
Platform and Package	DOS; Btrieve Utilities, Resources & Tools
Pricing	\$10 Shareware
Command Line Syntax and Help Screen	<p>AlterNUM Version 1.0: 02/26/1999 (c)1999 Goldstar Software Inc.</p> <p>Usage: ALTERNUM <Sourcefile> <Destfile> <Offset> <NumBytes></p> <p>This utility fixes NUMERIC data fields incorrectly set by ActiveX Controls by finding leading 0x00 bytes and replacing them with 0x30. <Sourcefile> is the source UNF filename. <Destfile> is the destination UNF file to be created. <Offset> is the Byte Offset within the Btrieve Record. <NumBytes> is the number of bytes to verify.</p> <p>WARNING: Incorrect usage can destroy the data file!</p>
Examples and Sample Usage	After exporting the data file to the UNF file, run the ALTERNUM command with the appropriate parameters. Then, create a new data file and re-import the data.
Other Information	<p>AlterNum is part of the Btrieve Utilities, Resources & Tools toolkit.</p> <p>A Win32 version is not yet available or planned.</p> <p>For more information on these utilities contact us at www.goldstarsoftware.com</p>
Version History	Version 1.0: First documented version
Known Problems	None.

AlterUNF v1.1 for DOS

Program Description	The AlterUNF program was created to help people make minor changes to Btrieve data structures without writing a complete conversion program. After exporting the data to a UNF file, the UNF file can be modified slightly, adding bytes or removing bytes as needed. Then, the Btrieve file can be loaded into the Maintenance Utility & also modified slightly. When the new file is created, the UNF file will be ready to load into it.
Platform and Package	DOS; Btrieve Utilities, Resources & Tools
Pricing	\$10 Shareware
Command Line Syntax and Help Screen	<p>AlterUNF Version 1.1: 06/23 (c)1999 Goldstar Software.</p> <p>Usage: ALTERUNF <Sourcefile> <Destfile> <Offset> <NumBytes> [<Value> /R]</p> <p>This utility adds bytes to a UNF file at the stated position. <Sourcefile> is the source UNF filename. <Destfile> is the destination file to be created. <Offset> is the Byte Offset within the Btrieve Record. <NumBytes> is the number of bytes to insert. <Value> is the byte value to insert in decimal. (Default=0) Use /R to remove the specified bytes.</p>
Examples and Sample Usage	<p>To convert a 2-byte ASCII year located as offset 52 to a 4-byte year, the following two commands would need to be used:</p> <pre>ALTERUNF ORIG.UNF TEMP.UNF 52 1 49 ALTERUNF TEMP.UNF NEW.UNF 53 1 57</pre> <p>Note that these commands first insert a "1" at position 52, then a "9" at 53.</p> <p>You can also use this command to remove the newly added bytes, as in:</p> <pre>ALTERUNF ORIG.UNF NEW.UNF 52 2 /R</pre>
Other Information	<p>AlterNum is part of the Btrieve Utilities, Resources & Tools toolkit.</p> <p>A Win32 version is not yet available or planned.</p> <p>For more information on these utilities contact us at www.goldstarsoftware.com</p>
Version History	Version 1.1: First documented version
Known Problems	None.

AnyUsers v1.0 for DOS

Program Description

The utility AnyUsers is a DOS-based Btrieve utility that opens up one or more Btrieve database files, as specified by a filespec, in exclusive mode, and immediately closes them again. If any of these attempts to open a file fails, then we assume that that data file is already open by another user. If the attempt succeeds, then no users currently have that file opened.

Platform and Package

DOS; Btrieve Utilities Resources & Tools

Pricing

\$10 Shareware

Command Line Syntax and Help Screen

ANYUSERS Version 1.0: 11/08 (C)2000 Goldstar Software Inc.

Usage: ANYUSERS filespec [/A|/U|/N] [/S] [/P=OwnerName]

This command opens each Btrieve file in filespec in Exclusive Mode and reports success/failure to the console.

/A Prints ALL results. [Default]

/N Prints ONLY files with no other users.

/U Prints ONLY files With other users active.

/S Prints Summary ONLY.

/P= Use this Btrieve Owner Name.

Examples and Sample Usage

An example use of AnyUsers is shown below:

```
ANYUSERS C:\PVSW\DEMADATA\*.MKD
ANYUSERS Version 1.0: 11/08 (C)2000 Goldstar Software Inc.
```

```
File \pvsw\demodata\BILLING.MKD has no users.
File \pvsw\demodata\CLASS.MKD has no users.
File \pvsw\demodata\COURSE.MKD has no users.
File \pvsw\demodata\DEPT.MKD has no users.
File \pvsw\demodata\ENROLLS.MKD has no users.
File \pvsw\demodata\FACULTY.MKD has no users.
File \pvsw\demodata\PERSON.MKD has no users.
File \pvsw\demodata\ROOM.MKD has no users.
File \pvsw\demodata\STUDENT.MKD has no users.
File \pvsw\demodata\TUITION.MKD has no users.
10 Files With No Users.
0 Files With Users Active.
```

Note that the switches can be used to quickly eliminate extraneous information. If you simply want to see which files are currently opened by users, the /U switch will show this very quickly.

Other Information

AnyUsers is a shareware DOS utility available at no cost.

A Win32 version is being considered for future development, and will likely have support for lists of files, in addition to filespecs.

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

Version History

Version 1.0: First Documented Version

Known Problems

This version of AnyUsers has a known side-effect – it opens the files in exclusive mode. While this detects that no users are in the file very easily, it can also interfere with proper operation of an application. Use with caution!

BldIndex v1.0 for DOS

Program Description	The BldIndex utility is one way of automatically correcting problems of missing indices in the INDEX.DDF file. The utility provides the ability to add the missing indices to the DDF's, based on the Btrieve file key definitions. This can cut DDF development time drastically, and can also be used to patch up a bad set of DDF files.
Platform and Package	DOS, DDF Utility & Management Package
Pricing	\$50 Licensed
Command Line Syntax and Help Screen	<p>BLDINDEX Version 1.0: 06/28 (C) 1997 Goldstar Software Inc.</p> <p>Usage: BLDINDEX TableName [/R] [/S] [/T] [/P=MasterPassword]</p> <p>This command examines the TableName table for indices which are not properly defined in INDEX.DDF and adds them to the dictionary. Use "*" for TableName to process all Tables. Use the /R option to print a comparison report only. Use the /S option to print statistics at the end. Use the /T option to print table names as they are processed. Use the /P= option to provide the database Master Password.</p>
Examples and Sample Usage	<p>The BldIndex command always works on DDF's in the current directory. This application accesses the DDF's directly, as Btrieve files, and is not recommended for use against an active database.</p> <p>One way to implement this is to create a new set of DDF's, copy the mostly-empty INDEX.DDF over to your DDF set, and then run this utility to fill in the blanks.</p> <p>As usual, a full backup of all files involved is strongly recommended!</p>
Other Information	<p>BldIndex is part of the DDF Utility & Management Package.</p> <p>A Win32 version is not yet available.</p> <p>For more information on these utilities contact us at www.goldstarsoftware.com</p>
Version History	Version 1.0: First documented version
Known Problems	None.

Breaker v1.4 for DOS

Program Description

The Breaker program splits a larger file into smaller components, suitable for copying via floppy or ZIP disk, or even for file transfers. It is NOT like PKZIP, which requires floppies, but it is not as pretty either.

The Breaker program simply reads the source file as a binary file and writes smaller chunks with the filenames of BPART.000, BPART.001, etc. The actual file name is not stored, and should be otherwise transferred.

Platform and Package

DOS; Goldstar Utility & Management Package

Pricing

FREE Shareware

Command Line Syntax and Help Screen

BREAKER Version 1.4: (C) 1997-9 Goldstar Software Inc.

Usage: BREAKER pathname [drv:] [/C] [/3 | /5] [/DD] [/T|B|L]

```
This command breaks a file into pieces to fit on a set of floppy disks.
The file pieces are written directly to the specified drive drv:, or A:.
/C Specifies Continuous operation (No Keypresses) for network use.
/3 Specifies 3½" disks. (Default)
/5 Specifies 5¼" disks.
/DD Specifies Double Density. (Default is High)
/T Specifies Tiny (32K) Parts. (Forces Continuous Mode)
/B Specifies Big (14MB) Parts. (Forces Continuous Mode)
/L Specifies LS-120 (120M) Parts.
```

Examples and Sample Usage

Breaker splits a specified file into pieces on the target drive. Specify the /C option when splitting to network or a hard drive, to avoid having to hit a key between each part.

Other Information

Breaker is part of the Goldstar Utility & Management Package.

A Win32 version is also available.

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

Version History

Version 1.4: First documented version

Known Problems

None.

Breaker v2.2 for Win32

Program Description

The Breaker program splits a larger file into smaller components, suitable for copying via floppy or ZIP disk, or even for file transfers. It is NOT like PKZIP, which requires floppies, but it is not as pretty either.

The Breaker program simply reads the source file as a binary file and writes smaller chunks with the filenames of BPART.000, BPART.001, etc. The actual file name is not stored, and should be otherwise transferred.

Platform and Package

Win32 Console; Goldstar Utility & Management Package

Pricing

FREE Shareware

Command Line Syntax and Help Screen

BREAKR32 Version 2.2: 08/12 (C)2002 Goldstar Software Inc.

Usage: BREAKR32 pathname [drv:] [/C] [/3 | /5] [/D] [/T|B|S]

```
This command breaks a file into pieces to fit on a set of floppy disks.
The file pieces are written directly to the specified drive drv:, or A:.
/C Specifies Continuous operation (No Keypresses) for network use.
/3 Specifies 3.5" disks. (Default)
/5 Specifies 5.25" disks.
/D Specifies Double Density. (Default is High)
/T Specifies Tiny (32K) Parts. (Forces Continuous Mode)
/B Specifies Big (14MB) Parts.
/S Specifies Super (140M) Parts.
/G Specifies Gigantic (650M) Parts.
```

Examples and Sample Usage

Breaker splits a specified file into pieces on the target drive. Specify the /C option when splitting to network or a hard drive, to avoid having to hit a key between each part.

Other Information

Breaker is part of the Goldstar Utility & Management Package.

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

Version History

Version 2.1: First documented version

Version 2.2: Added support for Gigantic (CDROM-sized) parts.

Known Problems

None.

ChkBFile v1.1 for DOS

Program Description	ChkBFile provides a way to scan large quantities of files to determine if they are Btrieve files or not. This is useful to locate all Btrieve files on a server, regardless of their location.
Platform and Package	DOS; Btrieve Utilities, Resources & Tools
Pricing	\$10 Shareware
Command Line Syntax and Help Screen	<pre>CHKBFILE Version 1.1: 04/23 (C) 1998 Goldstar Software, Inc. Usage: CHKBFILE [/5] [/6] [/S<fields-to-skip>] [/B] [/D] [/T L] [/P] This utility reads a comma-delimited file from stdin, parses out a path and filename from the specified fields, opens the file, and checks to see if the file could possibly be in Btrieve 5.x or 6.x format. If so, it sends the input line to stdout, else it skips it. Options are: /5 Check for Btrieve 5.x Files. /6 Check for Btrieve 6.x/7.x Files. /S# Skips the first # fields in the input file. /T TimeSaving Mode-Checks File Size from COUNTEXT before opening. /L Live: TimeSaving Mode without opening files. /P Pass any Invalid Files. /B Use Bare (No Commas) Format; Overrides other Switches. /D Turn on Debugging Messages.</pre>
Examples and Sample Usage	<p>ChkBFile accepts a comma-delimited file passed from stdin. If the /B switch is used, then this file should simply be a list of paths and files, one per line, similar to the STARTBU format. If the /B switch is omitted, then the first comma-delimited field should be the path, with the second being the file name. If there are other fields at the beginning of the file, use the /S# switch to skip them.</p> <p>If the file list was created from the COUNTEXT utility, it will also have data file size information. This info can be leveraged with the /T switch – any file length not evenly divisible by 512 will be quickly skipped.</p> <p>Note that when the file is opened to check the version, this is done as a regular I/O, not as a Btrieve call, and this can adversely affect any running applications. As such, this should only be run on an idle system.</p>
Other Information	<p>ChkBFile is part of the Btrieve Utilities, Resources & Tools toolkit.</p> <p>A Win32 version is not yet available or planned.</p> <p>For more information on these utilities contact us at www.goldstarsoftware.com</p>
Version History	Version 1.1: First documented version
Known Problems	None.

ChkIndex v1.2 for DOS

Program Description	<p>The ChkIndex utility is one way of automatically detecting problems of missing or otherwise incorrect index definitions in the INDEX.DDF file. The utility compares the DDF definitions to the Btrieve files, looking for problems.</p> <p>While ChkIndex works much better than the older DDFEase, we do recommend using the Check Database Wizard provided with Pervasive.SQL 2000.</p>
Platform and Package	DOS, DDF Utility & Management Package
Pricing	\$10 Shareware
Command Line Syntax and Help Screen	<p>CHKINDEX Version 1.2: 03/11 (C)2003 Goldstar Software Inc.</p> <p>Usage: CHKINDEX TableName [/N] [/C] [/A] [/S] [/T] [/I] [/K] [/P=Password]</p> <p>This command examines the TableName table for indices which are not properly defined in INDEX.DDF and prints a report about them. Use "*" for TableName to process all Tables. Use the /N option to enable NULL flag checking. Use the /C option to enable strict field type checking. Use the /A option to enable strict ACS/Case checking. Use the /S option to print statistics at the end. Use the /T option to print table names as they are processed. Use the /I option to print index information as they are processed. Use the /K option to print Btrieve key info as they are processed. Use the /P= option to provide the database Master Password.</p>
Examples and Sample Usage	<p>ChkIndex always works on DDF's in the current directory. This application accesses the DDF's directly, as Btrieve files, and can be used against an active database.</p> <p>Use the various options to enable different levels of checking. The default checks are fairly lenient, while adding the /N, /C, and /A switches will force the most stringent checks.</p> <p>The other options modify the output to provide varying levels of information for troubleshooting purposes.</p>
Other Information	<p>ChkIndex is part of the DDF Utility & Management Package.</p> <p>A Win32 version is not yet available.</p> <p>For more information on these utilities contact us at www.goldstarsoftware.com</p>
Version History	<p>Version 1.1: First documented version</p> <p>Version 1.2: Fixed bug with Named Indices on Unique Keys.</p>
Known Problems	None.

ChUsrPwd v1.0 for Win32

Program Description	ChUsrPwd provides a way to change a user's forgotten password in a set of data dictionaries, to avoid needing to delete and recreate the user account. For this to work correctly, you MUST provide the Master user's password, and the user's password will be set to the value of the Master user's password. You should then log in as the user and change it with the SET PASSWORD command.
Platform and Package	Win32; DDF Utility & Management Package
Pricing	\$25 Shareware
Command Line Syntax and Help Screen	<p>CHUSRPWD Version 1.0: 01/13 (C)2004 Goldstar Software Inc.</p> <p>Usage: CHUSRPWD UserName MasterPwd [/D]</p> <p>This command changes a user's password to the Master Password. Use the /D option to enable DEBUG output.</p>
Examples and Sample Usage	ChUsrPwd accepts the username to change, and the Master Password. It accesses the USER.DDF file directly to change the user's password to the Master password. At this time, there is no way to specify the new password – it MUST be set to the Master password for proper operation.
Other Information	ChUsrPwd is part of the DDF Utility & Management Package toolkit. For more information on these utilities contact us at www.goldstarsoftware.com
Version History	Version 1.0: First documented version
Known Problems	None.

ConvRpt v1.0 for DOS

Program Description	<p>The ConvRpt application is designed to take a large reported created by the Pervasive Software utility VCONV (used for converting SQL views from v3 to v4 format) and extract out a simple list of success and failures.</p> <p>This utility is only useful for converting old Scalable SQL databases.</p>
Platform and Package	DOS, DDF Utility & Management Package
Pricing	FREE Shareware
Command Line Syntax and Help Screen	<p>Usage: CONVRPT VCONVOutputFile</p>
Examples and Sample Usage	<p>Run the command, specifying the VCONV report file name, and the list of converted views will be displayed to stdout.</p>
Other Information	<p>ConvRpt is part of the DDF Utility & Management Package.</p> <p>A Win32 version is also available.</p> <p>For more information on these utilities contact us at www.goldstarsoftware.com</p>
Version History	<p>Version x.x: First documented version</p>
Known Problems	<p>None.</p>

CountExt v1.3 for DOS

Program Description

The CountExt utility was originally designed as a way to determine how many different files of various extensions existed on a file server as part of a Y2K data collection project. Its uses go far beyond that, though.

Currently, CountExt can scan a file for ALL files of a given extension and return not only the path, filename, and extension, but also the size and timestamp of the file. If the filespec includes multiple extensions (i.e. *.*), then CountExt can also print a summary of all extensions found, along with the count of number of files with each extension.

Platform and Package

DOS; Goldstar Utility & Management Package

Pricing

\$25 Shareware

Command Line Syntax and Help Screen

CountExt Version 1.4: 02/22 (c)1996-2002 Goldstar Software.

Usage: COUNTTEXT <Drive:> <Filespec> [/F] [/O] [/E]

```
This utility counts the number of files, by extension, in a directory.
<Drive:> is the drive letter to scan.
<Filespec> is the specifier for files to search (e.g. *.* , *.XLS).
/F Outputs Directory, Filename, Extension in comma delimited format.
/O Outputs Other information (Date, Time, Size) in comma delimited format.
/E Displays Extension Subtotals. (***) is Total Files Scanned!
```

Examples and Sample Usage

To create a list of all files on a server volume (e.g. drive F), use this command:

```
COUNTTEXT F: *.* /F /O >C:\COUNTTEXT.RPT
```

This will create a file called COUNTTEXT.RPT with a huge comma-delimited file list. (This output file can be sent into MSEXcel, MSAccess, ChkBFile or other similar utilities for further processing.)

To simply get a list of extensions, using the format:

```
COUNTTEXT F: *.* >C:\COUNTTEXT.RPT
```

This command sends just the summary data (the extensions and their number of files) to COUNTTEXT.RPT. The extension “***” will indicate the total number of files scanned by the utility.

Other Information

CountExt is part of the Goldstar Utility & Management Package.

A Win32 version is not yet available or planned.

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

Version History

Version 1.3: First documented version

Version 1.4: Added error handling to memory allocation errors.

Known Problems

Since CountExt navigates the directory tree, it will leave the current directory set to whichever directory it scanned last.

CountExt uses the first letter of the extension as a hash key into a multiple linked list structures. As the number of extensions grows, the linear searches down each list will lengthen, and the program will get slower. This is normal. However, as the linked list grows, the memory usage will increase, possibly to the point of running out of memory. An error returns indicating any extensions not counted.

If the directory recursion gets too deep, a stack overflow error may occur.

DelDrive v1.0 for DOS

Program Description

DelDrive has one simple usage – it accepts text from stdin, removes the first two characters from each line, and echos the text to stdout.

This program allows you to easily build file lists for NetWare servers by first running a DIR /S /B command, then running DelDrive to remove the drive letter, and then use MakeBat to add the volume name at the beginning of each file.

Platform and Package

DOS; Goldstar Utility & Management Package

Pricing

\$10 Shareware

Command Line Syntax and Help Screen

DELDRIVE Version 1.0: 02/19 (C) 1998 Goldstar Software, Inc.

Usage: DELDRIVE GO

This utility reads an ASCII file from stdin, removes the first two characters, and sends the results to stdout.

Options are:

/D Turn on Debugging Messages.

Examples and Sample Usage

A sample usage would be:

```
DELDRIVE GO <FILELIST.TXT >NEWLIST.TXT
```

The “GO” keyword is there to allow running DelDrive to display the usage.

Other Information

DelDrive is part of the Goldstar Utility & Management Package.

A Win32 version is not yet available or planned.

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

Version History

Version 1.0: First documented version

Known Problems

None.

DelUpTo v1.1 for DOS

Program Description	DelUpTo gives you a way to remove old files from a directory structure. Any files found which are older then the specified date will be automatically deleted. BE CAREFUL! This program deletes data files! Use only with a full backup!!!
Platform and Package	DOS; Goldstar Utility & Management Package
Pricing	FREE Shareware
Command Line Syntax and Help Screen	<pre>DelUpto v1.1 --- Written by Steve Palm, Modified by Bill Bach USAGE: DelUpto <date> <pattern></pre> <p>This utility Deletes specified files with a date equal to or earlier than the date specified (mm/dd/yy, mm-dd-yy, mm/dd/yyyy, or mm-dd-yyyy).</p>
Examples and Sample Usage	None.
Other Information	DelUpTo is part of the Goldstar Utility & Management Package. A Win32 version is not yet available or planned. For more information on these utilities contact us at www.goldstarsoftware.com
Version History	Version 1.1: First documented version
Known Problems	None.

DDFAttr v1.2 for DOS

Program Description

DDFAttr gives Scalable SQL users the ability to quickly export a complete list of fields for every table in the database, along with their related Headings. Then, the resulting information can be edited and re-imported back into the SQL data dictionary to set the headings to new values. This is very useful for DDF internationalization.

The DDFAttr utility was designed to work with the Scalable SQL and Pervasive.SQL 7 packages only, and is NOT considered compatible with Pervasive.SQL 2000, since the SRDE does not look at the Heading attribute.

Platform and Package

DOS, DDF Utility & Management Package

Pricing

\$25 Shareware

Command Line Syntax and Help Screen

DDFATTR Version 1.2: 04/05 (C) 1997 Goldstar Software, Inc.

Usage: DDFATTR [PRINT | SET <filename>] [/P=MasterPassword]

```
This command displays or modifies the heading attributes for every
field in every file in the XQL dictionary in the current directory.
Use the /P= option to provide the database Master Password.
DDFATTR PRINT prints the Field headings to stdout.
DDFATTR SET sets the Field headings in the dictionary from the file.
```

Examples and Sample Usage

None.

Other Information

DDFAttr is part of the DDF Utility & Management Package.

A Win32 version is not yet available.

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

Version History

Version 1.2: First documented version

Known Problems

None.

DDFDate v1.2 for DOS

Program Description	DDFDate gives Scalable SQL users the ability to quickly change the Mask (stored in the SQL data dictionary) for all date fields in the database to either the American or European date formats. Additionally, it can be used to set all date masks to 4-digit years. This is very useful for DDF internationalization.
Platform and Package	DOS, DDF Utility & Management Package
Pricing	\$25 Shareware
Command Line Syntax and Help Screen	<pre>DDFDATE Version 1.2: 04/05 (C) 1997 Goldstar Software, Inc. Usage: DDFDATE [AMERICAN EUROPEAN] [/4] [/P=MasterPassword] This command modifies the masks for every date field in the data dictionary in the current directory. DDFDATE AMERICAN sets the date mask to mm/dd/yy. DDFDATE EUROPEAN sets the date mask to dd.mm.yy. Use the /P= option to provide the database Master Password. Use the /4 option to set 4 digit year (yyyy) masks.</pre>
Examples and Sample Usage	None.
Other Information	DDFDate is part of the DDF Utility & Management Package. A Win32 version is not yet available. For more information on these utilities contact us at www.goldstarsoftware.com
Version History	Version 1.2: First documented version
Known Problems	None.

DDFRSVP v2.1 for DOS

Program Description

DDFRSVP allows you to display a list of reserved keywords, for either the Pervasive.SQL 7 (Scalable SQL 4) database or the Pervasive.SQL 2000 (SRDE) database.

In addition, it offers the ability to quickly scan a set of DDF's looking for the use of any reserved words in it. Pervasive.SQL 2000 users are better off using the Check Database Wizard, as it is more robust and current.

Platform and Package

DOS, DDF Utility & Management Package

Pricing

\$10 Shareware

Command Line Syntax and Help Screen

DDFRSVP Version 2.1: 04/17 (C)2001 Goldstar Software Inc.

Usage: DDFRSVP [/R] [/2] [/P=MasterPassword]

This command scans the DDF files looking for invalid characters or reserved words used in Table names or Field names.

Use the /R option to print a list of reserved words.

Use the /2 option to use Pervasive.SQL 2000i Keywords.

Use the /P= option to provide the database Master Password.

Examples and Sample Usage

Use the command "DDFRSVP /?" to display the above information.

Use "DDFRSVP/R" to display a list of reserved words for Scalable SQL 4.

Use "DDFRSVP/R /2" to display reserved words in the SRDE.

Use "DDFRSVP" by itself to run the check of your DDF's against the SSQL4 keywords. Add the /2 switch to check against the SRDE keyword list.

Other Information

DDFRSVP is part of the DDF Utility & Management Package.

A Win32 version is not yet available.

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

Version History

Version 2.1: First documented version

Known Problems

None.

DDFUsers v1.0 for DOS

Program Description	The DDFUsers application was created to allow you to better manage and document the user access rights in your SQL database. This utility reads the DDF files directly and displays the current rights definitions in a report format to stdout.
Platform and Package	DOS, DDF Utility & Management Package
Pricing	\$10 Shareware
Command Line Syntax and Help Screen	<p>DDFUSERS Version 1.0: 08/31 (C) 1998 Goldstar Software Inc.</p> <p>Usage: DDFUSERS [PRINT OUT <filename> SET <filename>] [/P=MasterPassword]</p> <p>This command displays or modifies the users and user rights assigned within the data dictionary in the current directory. Use the /P= option to provide the database Master Password. DDFUSERS PRINT prints the user information to stdout. DDFUSERS OUT dumps the data into a reloadable file for SET. *****ERS SET sets the user information in the dictionary from the file.</p>
Examples and Sample Usage	The command “DDFUSERS PRINT /P=masterpassword” will display a list of users and their access rights by reading it directly from the DDF’s
Other Information	<p>DDFUsers is part of the DDF Utility & Management Package.</p> <p>A Win32 version is not yet available.</p> <p>For more information on these utilities contact us at www.goldstarsoftware.com</p>
Version History	Version 1.0: First documented version
Known Problems	<p>The ability to SET the information from a dump file was never completed.</p> <p>Currently, the OUT option sends data to stdout, but just in binary format.</p> <p>The program was written against SSQL and may not generate proper results for Pervasive.SQL 2000. Some re-testing and tuning may be required.</p>

ExpAddr v1.1 for DOS

Program Description	ExpAddr was written to export addresses from the CompuServe WinCIM address book, which can later be edited and imported into another address book.
Platform and Package	DOS; Goldstar Utility & Management Package
Pricing	FREE Shareware
Command Line Syntax and Help Screen	<pre>ExpAddr Version 1.1: 03/15 (c)1999 Goldstar Software Inc. Usage: ExpAddr <filename> [/R] This utility extracts addresses from a CompuServe Address Book. /R does an IMPORT TO ADDRBOOK.DAT from <stdin>.</pre>
Examples and Sample Usage	<p>This command exports the data:</p> <pre>expaddr c:\cserve\support\addrbook.dat</pre>
Other Information	<p>ExpAddr is part of the Goldstar Utility & Management Package.</p> <p>A Win32 version is not yet available or planned.</p> <p>For more information on these utilities contact us at www.goldstarsoftware.com</p>
Version History	Version 1.1: First documented version
Known Problems	None.

FileChk v1.2 for DOS

Program Description	FileChk provides a rapid way to compare the contents of two directories from the command line. This utility is outdated as the Shareware program <i>Beyond Compare</i> (www.scootersoftware.com) provides far superior capabilities.
Platform and Package	DOS; Goldstar Utility & Management Package
Pricing	FREE Shareware
Command Line Syntax and Help Screen	<pre>FILECHK Version 1.2: 02/22 (C)2002 Goldstar Software Inc. Usage: FILECHK <filespec> <directory> This utility compares Dates and Times from the files specified with the specified directory. It generates a report to stdout which details the differences between the files.</pre>
Examples and Sample Usage	None. Use <i>Beyond Compare</i> instead!
Other Information	FileChk is part of the Goldstar Utility & Management Package. A Win32 version is not yet available or planned. For more information on these utilities contact us at www.goldstarsoftware.com
Version History	Version 1.2: First documented version
Known Problems	None.

FindBad v1.4 for DOS

Program Description

The FindBad utility, part of the Btrieve Datafile Recovery ToolKit, is used to locate the first bad data page or data page pointer in a data file.

It works by using Btrieve to scan the data file in physical order until it hits a non-zero status. At this time, it displays the terminating status, the position of the last valid record retrieved (logical position as well as a calculated physical position), and it saves the last record accessed to a file called LASTREC.DMP.

This information can then be used to manually examine a file to determine the location and cause of the corruption, and hopefully to allow it to be fixed.

Platform and Package

DOS; Btrieve Administrators Recovery ToolKit

Pricing

\$25 Shareware

Command Line Syntax and Help Screen

FINDBAD Version 1.4: 03/11 (C)2003 Goldstar Software Inc.

Usage: FINDBAD SrcFile [/K] [/B] [/D]

```
This utility STEPs through a file until it hits an error other
than EOF. Then, it displays the location of the last valid record.
Use the /K option to specify a key (Default=Physical).
Use the /B option to scan backwards from the end.
Use the /D option to enable DEBUG mode.
```

Examples and Sample Usage

When a problem is detected in a file, FindBad can help quickly locate it. When finished, it will display the number of records scanned (so that you know how far into the file a recovery will work), and the final Btrieve Position (as returned by the GetPosition operation). If the file is a 5.x file, this provides the final physical position. If the file is a Btrieve 6.x file, it then breaks the position into a Logical Page and Offset. If the file is 7.x, it determines the Logical Page and Record Number. In the latter two cases, a PAT lookup is done to determine the location of the final physical page, and the final physical position is displayed.

Other Information

FindBad is part of the Btrieve Datafile Recovery ToolKit.

A Win32 version is being considered for future development.

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

Version History

Version 1.2: First Documented Version

Version 1.3: Fixed Issues Relating to PAT Bitmap on 6.x Files

Version 1.4: Added ability to search by a specified key to find a bad index.

Known Problems

If FindBad hits a Status 2, the previous record position is displayed and dumped to the file. If FindBad hits a Status 22 or 54, however, the previous record position is still displayed, but the CURRENT record is saved.

FindBad for DOS cannot handle record sizes over 16K.

FindLP v1.1 for DOS

Program Description

The FindLP utility, part of the Btrieve Datafile Recovery ToolKit, is used to locate a logical page within a Btrieve 6.x or 7.x file.

It works by scanning the data file, page by page, looking for the specified logical page number. When it is found, it displays the physical position of the match and keeps looking for more matches. Note that due to shadow paging, it is quite likely that FindLP will locate multiple physical pages containing a logical page.

This information can then be used to manually examine a file to determine the location and cause of the corruption, and hopefully to allow it to be fixed.

Platform and Package

DOS; Btrieve Advanced Recovery ToolKit

Pricing

\$50 Licensed

Command Line Syntax and Help Screen

FINDLP Version 1.1: 04/02 (C)2001 Goldstar Software Inc.

Usage: FINDLP SrcFile LogicalPage

This utility looks up the provided logical page signature and returns the corresponding physical file offset of all copies.
Specify the LogicalPage as a swapped 4-byte hex value (0x...).
Order the bytes in TRUE big-endian order (PageCode/PageNumber).

Examples and Sample Usage

The following is the output from the command

```
findlp custinfo.btr 000a
```

FINDLP Version 1.1: 04/02 (C)2001 Goldstar Software Inc.

```
Logical Page 0x0000000a is at Physical Location 0x00015000.  
Logical Page 0x0000000a is at Physical Location 0x0001c000.  
Logical Page 0x0000000a is at Physical Location 0x0001e000.
```

Note that the logical page number is provided in hexadecimal. The "0x" prefix is optional, and has been left off in this case. In the example above, just the logical page number was provided, and we could have eliminated the leading zeroes as well. If you know the entire page ID (including the page code – 0x8900000A in the example above), then the entire value can be provided, and the search will be slightly faster.

Other Information

FindLP is part of the Btrieve Advanced Recovery ToolKit.

The Win32 utility ListDPg replaces this old DOS version.

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

Version History

Version 1.1: First documented version

Known Problems

FindLP will not work on 7.x extended files.

FindLP does not currently display the Usage Count of the pages involved; this is a valid enhancement.

Use the Win32 utility ListDPg with the /L switch to avoid these limitations.

FixDates v1.2 for Win32

Program Description	FixDates provides a quick way of scanning a file for invalid Btrieve dates. The invalid date fields, which can cause problems from ODBC queries, can be set to one of four valid dates at this time.
Platform and Package	Win32 Console; Btrieve Utilities, Resources & Tools
Pricing	\$50 Shareware
Command Line Syntax and Help Screen	<pre>FIXDATES Version 1.2: 11/21 (C)2003 Goldstar Software Inc. *** Registered 32-Bit Version *** Usage: FIXDATES Filename Offset [/N##] [/Z] [/S] [/O=Owner] [/D] This command scans the Btrieve file for invalid dates & fixes them. Specify the offset at which the Date Field resides in the Btrieve Record. (Multiple offsets can be specified with commas, as in 14,89,114.) Use the /N# option to specify a new date value from this list. 1 = 00/00/0000 (Default) 2 = 01/01/1901 3 = 01/01/1980 4 = 01/01/1000 Use the /Z option to correct ZERO Dates (00/00/0000) also. Use the /S option to disable Status reporting. Use the /O= option to provide an owner name. Use the /D option to enable DEBUG mode.</pre>
Examples and Sample Usage	<p>To fix all of the date fields located at offset 165 in the Btrieve file, setting all invalid dates to 01/01/1901 and correcting 0-dates as well:</p> <pre>FIXDATES DATAFILE.BTR 165 /N2 /Z</pre> <p>No locking is currently done on the file, so this process should be done with the file otherwise unused. Also, NO UNDO is possible with this utility! If you specify an incorrect offset, it will DESTROY your data. Be sure to have a valid and tested backup before proceeding.</p> <p>If you wish to correct multiple date fields in a single pass through the file (a great time-saver), then provide the Offset value as a comma-delimited list of offset values, with NO spaces in between. An example would be:</p> <pre>FIXDATES DATAFILE.BTR 165,228,532 /N4 /Z</pre>
Other Information	FixDates for Win32 is provided as a registered program only. Goldstar Software can provide customized changes or other options to this program to registered users upon request. For more information, contact Goldstar Software Inc. at www.goldstarsoftware.com
Version History	Version 1.0: First documented version Version 1.1: Added support for the date 01/01/1000. Version 1.2: Added support for multiple offsets in a single run.
Known Problems	None.

FLoad v2.1 for DOS

Program Description

The FLoad application takes a file definition that was exported from the data dictionary by FSave and re-imports it back into a new data dictionary.

The current FLoad application is Scalable SQL based and will not work on a Pervasive.SQL 2000 database.

Platform and Package

DOS, DDF Utility & Management Package

Pricing

FREE Shareware

Command Line Syntax and Help Screen

FLOAD Version 2.1(2.0 Files): 04/05 (C) 1997 Goldstar Software, Inc.

Usage: FLOAD <FileSpec> ["/L=Location["]] ["/P=MasterPassword] ["/F]

This utility loads a description of the specified table into the Data Dictionary in the current working directory. The file includes the table name, fields, attributes, indexes, and other information. Wildcards may be used for <FileSpec> to load multiple files. If <Location> is omitted, the table is restored with its original path. Use the /P= option to provide the database Master Password. If the /F flag is used, invalid chars are converted to underscores.

Examples and Sample Usage

The command "FLOAD MYDATA.FIL" reads the MYDATA.FIL and recreates the DDF definition (in DDFs in the current directory) from the information contained therein.

Other Information

FLoad is part of the DDF Utility & Management Package.

A Win32 version is not yet available.

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

Version History

Version 2.1: First documented version

Known Problems

This version works on Scalable SQL 3 and Scalable SQL 4 (Pervasive.SQL 7) engines only. No support for Pervasive.SQL 2000 exists at this time.

FSave v2.1 for DOS

Program Description

The FSave application takes a file definition from the data dictionary and dumps the information into a FIL file. This data can later be imported into another data dictionary by FLoad.

The current FSave application is Scalable SQL based and will not work on a Pervasive.SQL 2000 database.

Platform and Package

DOS, DDF Utility & Management Package

Pricing

FREE Shareware

Command Line Syntax and Help Screen

FSAVE Version 2.1(2.0 Files): 04/05 (C) 1997 Goldstar Software, Inc.

Usage: FSAVE ["<TableName>"] [<DOSFileName>] [/P=MasterPassword]

This command saves a description of the specified table from the Data Dictionary in the current working directory. This file includes table name, fields, attributes, indexes, and other information. The data is written to <DOSFileName> (if specified), or to TableName.FIL. The quotes are necessary only if the table name includes spaces. Use the /P= option to provide the database Master Password. If <TableName> is *, EVERY TABLE is saved in numbered files, e.g. 1.FIL.

Examples and Sample Usage

The command "FSAVE MYDATA" reads the DDF definition of the MYDATA table and creates the MYDATA.FIL file with the definition information.

Other Information

FSave is part of the DDF Utility & Management Package.

A Win32 version is not yet available.

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

Version History

Version 2.1: First documented version

Known Problems

This version works on Scalable SQL 3 and Scalable SQL 4 (Pervasive.SQL 7) engines only. No support for Pervasive.SQL 2000 exists at this time.

FPrint7 v2.1 for DOS

Program Description

The FPrint7 application reads a file definition from the data dictionary via Scalable SQL calls (specifically, XQL) and dumps the information to stdout in a usable report format. There are numerous switch options to support different output formats.

The current FPrint7 application is Scalable SQL based and will not work on a Pervasive.SQL 2000 database.

Platform and Package

DOS, DDF Utility & Management Package

Pricing

FREE Shareware

Command Line Syntax and Help Screen

FPRINT Version 2.1: 04/05 (C) 1997 Goldstar Software, Inc.

Usage: FPRINT ["<TableName>"] [/P=masterpassword] [/<OptionList>]

This utility prints a description of the specified table from the Data Dictionary in the current working directory. This report will include fields, types, lengths, indexes, and other information.

The quotes are necessary only if <TableName> includes spaces.

If <TableName> is *, a report for EVERY TABLE will be produced.

Use the /P= option to provide the database Master Password.

The option list may contain any of the following options:

B - Display the Btrieve File Information.

F - Display the Field Information.

M - Display Field Masks. (Implies /F)

H - Display Field Headings. (Implies /F)

I - Display the Index Information.

U - Display Unique Values for Indexes. (Implies /I)

A - Display All of the Above.

X - Display XQL File Information.

N - Display Table Names Only (Ignores All Other Flags).

Examples and Sample Usage

The options affect how the final display will look. Most of the above are self-explanatory, and will be documented upon request.

The command "FPRINT7 * -N" will simply display a list of all table names in the dictionary. The command "FPRINT7 * -A >FILES.TXT" will dump a printer-suitable report to the file FILES.TXT. Note that the printer must support 132 columns or more to print correctly.

Other Information

FPrint7 is part of the DDF Utility & Management Package.

A Win32 version is not yet available.

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

Version History

Version 2.1: First documented version

Known Problems

This version works on Scalable SQL 3 and Scalable SQL 4 (Pervasive.SQL 7) engines only. No support for Pervasive.SQL 2000 exists at this time.

FPrint v3.0 for DOS

Program Description

The FPrint application reads a file definition from the data dictionary directly and dumps the information about a table to stdout in a usable report format. There are numerous switch options to support different output formats.

This version of FPrint is Btrieve-based and will work on any Pervasive database, including Pervasive.SQL 2000.

Platform and Package

DOS, DDF Utility & Management Package

Pricing

\$25 Shareware

Command Line Syntax and Help Screen

FPRINT Version 3.0: 06/26 (C)2001 Goldstar Software Inc.

Usage: FPRINT ["<TableName>"] [/P=masterpassword] [/<OptionList>]

This utility prints a description of the specified table from the Data Dictionary in the current working directory. This report will include fields, types, lengths, indexes, and other information.

The quotes are necessary only if <TableName> includes spaces.

If <TableName> is *, a report for EVERY TABLE will be produced.

Use the /P= option to provide the database Master Password.

The option list may contain any of the following options:

B - Display Btrieve File Information.

F - Display Field Information.

O - Display Fields Location as Offset. (Default = Position)

C - Display Constraint Information.

I - Display Index Information.

A - Display All of the Above.

X - Include System Tables In Wildcards.

N - Show Table Names Only (Ignores All Other Flags).

Examples and Sample Usage

The options affect how the final display will look. Most of the above are self-explanatory, and will be documented upon request.

The command "FPRINT * -N" will simply display a list of all table names in the dictionary. The command "FPRINT * -A >FILES.TXT" will dump a printer-suitable report to the file FILES.TXT, with formfeeds between each table.

Other Information

FPrint is part of the DDF Utility & Management Package.

A Win32 version is also available.

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

Version History

Version 3.0: First documented version

Known Problems

None.

FPrint v4.1 for Win32

Program Description

The FPrint application reads a file definition from the data dictionary directly and dumps the information about a table to stdout in a usable report format. There are numerous switch options to support different output formats.

This Win32 version of FPrint is Btrieve-based and will work on any Pervasive database, including Pervasive.SQL 2000i. It has been updated to show Pervasive.SQL 2000i Nullable Field indicators.

Platform and Package

Win32, DDF Utility & Management Package

Pricing

\$50 Shareware

Command Line Syntax and Help Screen

FPRINT Version 4.1: 07/20 (C)2003 Goldstar Software Inc.

Usage: FPRINT ["<TableName>"] [/P=masterpassword] [/<OptionList>]

This utility prints a description of the specified table from the Data Dictionary in the current working directory. This report will include fields, types, lengths, indexes, and other information.

The quotes are necessary only if <TableName> includes spaces.

If <TableName> is *, a report for EVERY TABLE will be produced.

Use the /P= option to provide the database Master Password.

The option list may contain any of the following options:

B - Display Btrieve File Information.

F - Display Field Information.

O - Display Fields Location as Offset. (Default = Position)

C - Display Constraint Information.

I - Display Index Information.

A - Display All of the Above.

X - Include System Tables In Wildcards.

N - Show Table Names Only (Ignores All Other Flags).

Examples and Sample Usage

The options affect how the final display will look. Most of the above are self-explanatory, and will be documented upon request.

The command "FPRINT * -N" will simply display a list of all table names in the dictionary. The command "FPRINT * -A >FILES.TXT" will dump a printer-suitable report to the file FILES.TXT, with formfeeds between each table.

Other Information

FPrint is part of the DDF Utility & Management Package.

A DOS version is also available.

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

Version History

Version 4.0: First documented version recompiled for Win32.

Version 4.1: Fixed bug in handling table names with embedded spaces.

Known Problems

None.

Garbage V1.3 for DOS

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

DOS; Btrieve Utilities Resources & Tools

Pricing

\$50 Licensed

Command Line Syntax and Help Screen

GARBAGE Version 1.3: 09/21 (C)2000 Goldstar Software Inc.

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 Win32 version is being considered for future development.

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

Version History

Version 1.3: First documented version

Known Problems

The current DOS version is limited to an 8K record size only.

Grep v2.3 for DOS

Program Description

Grep is similar to the Unix grep utility, but is designed for DOS searches of text files only, and has a different option package. In some senses, it is more limited than grep, but in others it can be more useful.

Grep allows you to scan for text in a set of text files or application source code. This utility supports searching for one keyword or multiple keywords simultaneous, in one filespec or in a list of files. Grep can recurse subdirectories when needed and supports several output formats.

Platform and Package

DOS; Goldstar Utility & Management Package

Pricing

FREE Shareware

Command Line Syntax and Help Screen

GREP Version 2.3: 09/09 (C) 1998 Goldstar Software, Inc.

Usage:GREP <KeyWord> <FileSpec> [/F] [/W] [/B] [/C] [/CS] [/S] [/D] [/MF] [/MK]

This utility searches for one or more strings within ASCII text files.
<KeyWord> is word or phrase for which to search.
<FileSpec> is file to search (Wildcards may be used).
/F indicates print file names only.
/W indicates leading whitespace should be removed.
/B indicates brief output for chaining another GREP.
/C will display a count of total lines processed.
/CO indicates a compact display (found text only).
/CS indicates a case sensitive search.
/S will recurse subdirectories during the search.
/D will print the directory in which the file was found.
/MF indicates FileSpec is a filename containing multiple files to search.
/MK indicates KeyWord is a filename containing multiple keywords.

Examples and Sample Usage

Docs to be completed upon request.

Other Information

Grep is part of the Goldstar Utility & Management Package.

A Win32 version is also available.

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

Version History

Version 2.3: First documented version

Known Problems

None.

Grep32 v3.1 for Win32

Program Description	<p>Grep32 is similar to the Unix grep utility, but is designed for Windows console searches of text and binary files, and has a different option package. In some senses, it is more limited than grep, but in others it can be more useful.</p> <p>Grep32 allows you to scan for text in a set of text files or application source or binary code. This utility supports searching for one keyword or multiple keywords simultaneous, in one filespec or in a list of files. Grep32 can recurse subdirectories when needed and supports several output formats.</p>
Platform and Package	Win32 Console; Goldstar Utility & Management Package
Pricing	\$25 Shareware
Command Line Syntax and Help Screen	<p>GREP32 Version 3.1: 07/21 (C)2002 Goldstar Software Inc.</p> <p>Usage: GREP32 <KeyWord> <FileSpec> {/options}</p> <p>This utility searches for one or more strings within ASCII text files. Separate options on the command line with spaces. <KeyWord> is word or phrase for which to search. <FileSpec> is file to search (Wildcards may be used). /F indicates print file names only. /W indicates leading whitespace should be removed. /B indicates brief output for chaining another GREP. /C will display a count of total lines processed. /CS indicates a case sensitive search. /S will recurse subdirectories during the search. /D will print the directory in which the file was found. /DEBUG will print each file name as it is encountered. /BIN will search files in binary mode, in 1024-byte chunks. /MF indicates FileSpec is a filename containing multiple files to search. /MK indicates KeyWord is a filename containing multiple keywords.</p>
Examples and Sample Usage	Docs to be completed upon request.
Other Information	<p>Grep32 is part of the Goldstar Utility & Management Package.</p> <p>For more information on these utilities contact us at www.goldstarsoftware.com</p>
Version History	<p>Version 3.0: First documented version</p> <p>Version 3.1: Fixed display bug with printing directories.</p>
Known Problems	None.

GSBackup V1.2 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.)

Platform and Package

Win32; Btrieve Utilities Resources & Tools

Pricing

\$100 Licensed

Command Line Syntax and Help Screen

```
GSBACKUP Version 1.1: 08/19 (C)2003 Goldstar Software Inc.  
*** Registered 32-Bit Version ***.
```

```
Usage: GSBACKUP <filespec> [/B] [/O] [/M] [/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.  
/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
```

This command removes any files from GSBackup mode.

```
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.

Known Problems

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

HoldOpen v1.0 for DOS

Program Description

The HoldOpen utility, part of the Btrieve Administrators Resource ToolKit, is very simple – it takes a list of data files and opens them up until the user exits the program.

Holding files open may be necessary to resolve problems with files that were in continuous operations when the server crashed. It can also be used to increase security on the files and prevent workstation engines or Microsoft Word (or other desktop applications) from accessing the data files.

Platform and Package

DOS; Btrieve Utilities Resources & Tools

Pricing

\$10 Shareware

Command Line Syntax and Help Screen

HOLDOPEN Version 1.0: 10/20 (C)2001 Goldstar Software Inc.

Usage: HOLDOPEN Filename

This command opens the list of files.

Examples and Sample Usage

The HoldOpen program accepts a list of file pathnames, in a format identical to that used by the continuous operations command, BUTIL -STARTBU. Once the command is executed, the program loops until both shift keys are pressed, at which time the files are closed and the program exits.

HOLDOPEN Version 1.0: 10/20 (C)2001 Goldstar Software Inc.

```
Opening Data Files from List in list.txt...
Error Opening <c:\pvsw\demodata\junk.ttt>: Status 12
Opened 3 Files
Press both SHIFT Keys to Close Files & Exit.
Files Closed!
```

Note the “file not found” error (Status 12) reported in the above example. Since the BUTIL command will not tell you on which file the command failed, you can also use HoldOpen as a way to validate your STARTBU file list.

Other Information

HoldOpen is part of the Btrieve Administrators Resource ToolKit.

A Win32 version is available.

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

Version History

Version 1.0: First documented version

Known Problems

The DOS version enters a tight loop, which uses all available CPU time on the computer. Fix: Use the Win32 version.

HoldOpen v2.0 for Win32

Program Description

The HoldOpen utility, part of the Btrieve Administrators Resource ToolKit, is very simple – it takes a list of data files and opens them up until the user exits the program.

Holding files open may be necessary to resolve problems with files that were in continuous operations when the server crashed. It can also be used to increase security on the files and prevent workstation engines or Microsoft Word (or other desktop applications) from accessing the data files.

Platform and Package

Win32 Console; Btrieve Utilities Resources & Tools

Pricing

\$10 Shareware

Command Line Syntax and Help Screen

HOLDOPEN 32-Bit Version 2.0: 01/28 (C)2002 Goldstar Software Inc.

Usage: HOLDOPEN Filename

This command opens the list of files and then waits.

Examples and Sample Usage

The HoldOpen program accepts a list of file pathnames, in a format identical to that used by the continuous operations command, BUTIL -STARTBU. Once the command is executed, the program loops until Control-C is pressed, at which time the files are closed and the program exits.

HOLDOPEN 32-Bit Version 2.0: 01/28 (C)2002 Goldstar Software Inc.

```
Opening Data Files from List in list.txt...
Error Opening <c:\pvsw\demodata\junk.ttt>: Status 12
Opened 3 Files
Press Control-C to Close Files & Exit.
```

Note the “file not found” error (Status 12) reported in the above example. Since the BUTIL command will not tell you on which file the command failed, you can also use HoldOpen as a way to validate your STARTBU file list.

Other Information

HoldOpen is part of the Btrieve Administrators Resource ToolKit.

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

Version History

Version 2.0: First documented version

Known Problems

None.

HPSet v2.5 for DOS

Program Description

HPSet simply sends the appropriate PCL printer codes to your Hewlett Packard printer to put that printer into a specific font for output. It should be used immediately prior to, and in the same print job as, your text data.

Platform and Package

DOS; Goldstar Utility & Management Package

Pricing

FREE Shareware

Command Line Syntax and Help Screen

HPSET Version 2.5: 01/16/2000 Goldstar Software Inc.

Usage: HPSET [BIG | SMALL | LAND | TINY]

```
This utility sets the font on an HP LaserJet printer.
HPSET BIG sets a portrait 12.00 CPI, 66 LPP font.
HPSET LAND sets a landscape 16.67 CPI font.
HPSET SMALL sets a portrait 16.67 CPI, 66 LPP font.
HPSET CAM sets a portrait 16.67 CPI, 60 LPP font, 6LPI.
HPSET TINY sets a portrait 16.67 CPI, 80 LPP font.
```

Examples and Sample Usage

“HPSET TINY” provides an 80 lines-per-page output format, ideal for cramming lots of text on a page to save paper.

“HPSET CAM” sets the printer to a 6LPI format with ½-inch margins on the top and bottom, useful for printing labels.

Other Information

HPSet is part of the Goldstar Utility & Management Package.

A Win32 version is not yet available.

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

Version History

Version 2.5: First documented version

Known Problems

None.

KeyCheck v1.2 for DOS

Program Description

KeyCheck is a straightforward, DOS-based, Btrieve file consistency checker. It was created to provide a simple method of validating key structures within an existing Btrieve/Pervasive.SQL file. It reads the file, first in physical order, then in order by each key. If an error is detected, the error is displayed, along with the total number of records read on that key path.

If a different number of records is detected on a given key path, an error will also be displayed. This can indicate a corrupted key. Note that an active file (records being inserted & deleted) will flag this as an error, as will NULL keys. This is normal and should NOT be construed to indicate an error condition.

Platform and Package

DOS; Btrieve Utilities Resources & Tools

Pricing

\$10 Shareware

Command Line Syntax and Help Screen

KEYCHECK Version 1.2: 07/29 (C)2001 Goldstar Software Inc.

ShareWare Version -- Contact Goldstar Software to Register and to obtain the latest revision of this package, which may include extended operations for better performance.

Usage: KEYCHECK Filename [/K##] [/R] [/D]

This command scans the Btrieve file for corrupted keys.
Use the /K option to specify a single key to traverse (or -1).
Use the /R option to traverse in reverse.
Use the /S option to disable status reporting.
Use the /E option to enable extended operations.
Use the /D option to enable DEBUG mode.

Examples and Sample Usage

KEYCHECK is functionally equivalent to the following:

```
BUTIL -RECOVER filename NUL  
BUTIL -SAVE filename NUL n 1  
BUTIL -SAVE filename NUL n 2  
BUTIL -SAVE filename NUL n 3  
...  
BUTIL -SAVE filename NUL n lastkey
```

KEYCHECK /R is functionally equivalent to the following:

```
BUTIL -RECOVER filename NUL /J  
BUTIL -SAVE filename NUL n 1 /J  
BUTIL -SAVE filename NUL n 2 /J  
BUTIL -SAVE filename NUL n 3 /J  
...  
BUTIL -SAVE filename NUL n lastkey /J
```

Other Information

KeyCheck is a shareware DOS utility available at no cost. Goldstar Software also provides a registered version of KeyCheck that includes both the DOS version and a Win32 version, suitable for use with Btrieve 6.15 and newer database engines. The Win32 version also has several additional command-line options to improve usage and performance.

For more information on these utilities contact Goldstar Software Inc. at www.goldstarsoftware.com

Version History

Version 1.2: First Documented Version

Known Problems

- * NULL keys will likely flag a Key Count Mismatch. Fix: Win32 version detects NULL keys and ignores any mismatches. Workaround: Ignore mismatches on NULL keys.
- * Files with dropped keys will not properly scan all keys. Fix: Win32 version addresses this issue. Workaround: Use the "/K#" switch to scan other keys

manually.

- * DOS-Based application requires BREQUEST and the SPX protocol. Fix: Use the Win32 version. Workaround: Use BTRBOX to provide TCP support.
- * Performance is slow. Fix: Performance improvements have been made in the Win32 version. Workaround: Run on a faster PC or on the server console.

KeyCheck v2.5 for Win32

Program Description

KeyCheck is a straightforward, DOS-based, Btrieve file consistency checker. It was created to provide a simple method of validating key structures within an existing Btrieve/Pervasive.SQL file. It reads the file, first in physical order, then in order by each key. If an error is detected, the error is displayed, along with the total number of records read on that key path.

If a different number of records is detected on a given key path, an error will also be displayed. This can indicate a corrupted key. Note that an active file (records being inserted & deleted) will flag this as an error, as will NULL keys. This is normal and should NOT be construed to indicate an error condition.

Platform and Package

Win32 Console; Btrieve Utilities Resources & Tools

Pricing

\$25 Licensed

Command Line Syntax and Help Screen

```
KEYCHECK Version 2.5: 10/07 (C)2003 Goldstar Software Inc.  
*** Registered 32-Bit Version ***
```

```
Usage:  KEYCHECK Filename [/K##] [/R] [/S] [/E] [/Q] [/W] [/O=Owner] [/D]
```

```
This command scans the Btrieve file for corrupted keys.  
Use the /K option to specify a single Key to traverse (or -1).  
Use the /R option to traverse records in Reverse order.  
Use the /S option to disable Status reporting.  
Use the /E option to exit on the first error encountered.  
Use the /Q option to enable QuickRead (4-Byte Record Reads).  
Use the /B option to identify missing (Status 2) records on each key path.  
Use the /W option to output statistics in CGI format.  
Use the /O= option to provide an owner name.  
Use the /D option to enable DEBUG mode.
```

Examples and Sample Usage

KEYCHECK is functionally equivalent to the following:

```
BUTIL -RECOVER filename NUL  
BUTIL -SAVE filename NUL n 1  
BUTIL -SAVE filename NUL n 2  
BUTIL -SAVE filename NUL n 3  
...  
BUTIL -SAVE filename NUL n lastkey
```

KEYCHECK /R is functionally equivalent to the following:

```
BUTIL -RECOVER filename NUL /J  
BUTIL -SAVE filename NUL n 1 /J  
BUTIL -SAVE filename NUL n 2 /J  
BUTIL -SAVE filename NUL n 3 /J  
...  
BUTIL -SAVE filename NUL n lastkey /J
```

The command line options are defined below:

/E: Exit after first error is found.

By default, KeyCheck scans all keys looking for errors. If you are scripting this via a batch file, it is often helpful to know what error occurred, if any. However, this error may not be returned from KeyCheck if it is not the LAST error encountered. Use this switch to exit immediately with the appropriate status code when an error is found.

/K: Specify a key to traverse.

Normally, KeyCheck will process ALL keys in a given file, in order from -1 (physical order) to the last key available. Use the /K switch if you wish to scan only ONE specific key. Provide the key number immediately after the "K" on the command line, as in "/K3".

/R: Scan in reverse order.

By default, Keycheck will scan all indices in forward order. It is possible that a key structure could have become corrupted on a reverse pointer only. Use the "/R" option (after a successful forward run) to scan backwards as well.

/S: Disable status reporting.

KeyCheck reports periodically on its progress. First, it displays a "twirly" after every 50 records it processes. This allows you to see that it is working. Second, it displays a percentage complete number. It will do this every 10% of the way through small files (under 100,000 records) or every 1% for large files (over 100,000 records). To improve performance this status reporting should be disabled with the "/S" flag. (Automatically done with CGI output.)

/Q: Enable QuickRead scanning.

By default, KeyCheck will read EVERY byte of every record (up to 63K). While this is the most effective way to check an entire file, it is possible to increase performance (at the expense of less stringent checking) by adding the "/Q" switch. When this is enabled, KeyCheck will only read 4 bytes from each record instead of the whole record. The performance difference, especially across a networked connection, can be dramatic.

/B: Identify "Bad" Records On Key Path

When data files get corrupted due to a server crash that damages data pages, it is then impossible to extract those records. This option attempts to determine the key value along each key path that corresponds to the missing records. If successful, it reports the key value information to the screen of the missing record. If two records fail in a row, the system is not able to continue and it stops processing that key path. Specify the /K switch to scan one key only.

/W: Enable Web (CGI) output.

Normally, KeyCheck will dump its scanning data to the screen (stdout). However, it may be advantageous to be able to run KeyCheck on a web server to check files from a remote location. To use this, simply create a link:

```
<A  
REF="http://www.webserver.com/scripts/keycheck.exe?c:\pvsw\demodata\billing.mkd%  
20/w" target="_blank">BILLING.MKD</A>
```

This link will call the KEYCHECK.EXE file (in the server's SCRIPTS directory) and pass it the name of the BILLING.MKD file, as well as the "/W" switch.

/O: Provide an Owner Name.

Some database files are protected via an owner name and cannot be opened without this name. If you encounter a file which is protected in this manner, you can use the "/O" switch to provide the owner name. For example, if the owner name is "FRED", the proper parameter is "/O=FRED". Please note that the owner name, like most passwords, is case sensitive.

KeyCheck 2.3 and above return the following ErrorLevel values:

- 4 Out of Memory
- 3 Invalid Specified Key Number Value
- 2 Unable to Parse Owner Name from Command Line
- 1 No Parameters Specified (Help Screen Printed)
- ### Btrieve Status Code Returned

Batch files can check ERRORLEVEL and handle issues. Status 9 will indicate a

proper EndOfFile condition, while Status codes 2, 30, and 54 indicate problems. You may need to use the /E flag to ensure that a valid error is returned, since some errors may exist on some keys, but not on all.

Other Information

KeyCheck for Win32 is provided as a registered program only. Goldstar Software can provide customized changes or other options to this program to registered users upon request. For more information, contact Goldstar Software Inc. at www.goldstarsoftware.com

Version History

Version 2.2: First Documented Version

Version 2.3: Added /E switch and improved error detection and reporting.

Version 2.4: Fixed a bug in the handling of owner-protected files.

Version 2.5: Added ability to report on missing records from data pages with the /B switch.

Known Problems

None

KeyMgr v1.0 for DOS

Program Description

The KeyMgr program, part of the Btrieve Administrators Resource ToolKit, is designed to help maintain the database keys of existing files. It has the ability to drop the keys of a file *en masse* and store the key information in a KEY file. Then, it can read the KEY file and re-create those keys at a later time.

This utility can be useful for altering keys and for rapid rebuilding of data files.

Platform and Package

DOS; Btrieve Utilities Resources & Tools

Pricing

N/A

Command Line Syntax and Help Screen

KEYMGR Version 1.0: 05/02 (C)1999 Goldstar Software Inc.

Usage: KEYMGR [DROP|BUILD] filename [options] [/O=owner]

The DROP command is used to drop existing keys. Key information are stored in a file with the .KEY extension. Valid options are:

/S: Stat Only -- Do not drop the keys.

/K#: Drop only Key Number # and do not renumber.

/R: Renumber Keys Automatically.

/U: Drop all unique keys only.

/N: Drop all non-unique keys only.

The BUILD command is used to re-add previous keys from a .KEY file
Valid options are:

/K#: Build only previous Key Number # as the same number.

/R/#: Build only previous Key Number # as a new Key Number #.

/U: Build all unique keys only as their original key numbers.

/N: Build all non-unique keys only as their original key numbers.

Examples and Sample Usage

Needs to be completed and tested!

Other Information

KeyMgr is part of the Btrieve Administrators Resource ToolKit.

A Win32 version is not yet available.

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

Version History

Version 1.0: Semi-Completed Application – Needs work.

Known Problems

Not yet completed nor tested.

KillPre v1.0 for DOS

Program Description

When upgrading a system from Btrieve 5.x files to 6.x or newer files, it is important to properly convert all data files. The presence of extraneous pre-image files (PRE) can possibly cause problems with the data conversion, and they need to be cleaned up prior to the conversion itself.

The KillPre application uses the procedure recommended by Pervasive Software to eliminate the PRE files by opening the file in exclusive mode, reading the first record, updating that record, and then closing the file.

Any PRE files remaining after this process can be safely deleted.

Platform and Package

DOS; Btrieve Utilities Resources & Tools

Pricing

FREE Shareware

Command Line Syntax and Help Screen

KILLPRE Version 1.0: 03/17 (C)1999 Goldstar Software Inc.

Usage: KILLPRE filespec [/B=BufferSize] [/P=OwnerName]

```
This command opens up Btrieve files with the intent to zap any existing
pre-image file, using the recommended methods.
/B= sets the maximum buffer size (Default=16K).
/P= sets the Btrieve Owner Name.
```

Examples and Sample Usage

Note that this program is run on the primary Btrieve file, NOT the PRE file. Use wildcards (like *.BTR) to process large sets of files.

Other Information

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

A Win32 version is not yet available or planned.

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

Version History

Version 1.0: First documented version

Known Problems

The DOS version of KillPre may have problems if the first record is extremely large, due to DOS memory requirements. Workaround: Use the Pervasive Function Executor.

KillUser v1.0 for Win32

Program Description	KillUser is a sub-application of PSConfig, which specifically is used to kill users from a database. Its limited functionality provides users with a taste of the PSConfig power, but users should use the full utility for additional options.
Platform and Package	Win32; Btrieve Utilities Resources & Tools
Pricing	\$10 Shareware
Command Line Syntax and Help Screen	<pre>KillUser Version 1.3: 05/24 (C)2002 Goldstar Software Inc. Usage: KILLUSER [/options] These options can be used with this command. Use /KS to kill all SRDE connections. Use /KM to kill all MKDE connections. Use /Sserver to specify a server to contact (Default=localhost). Use /User to specify a username to use (Default=none). Use /Ppassword to specify a password to use (Default=none). Use /H to output results in HTML format. Use /D to enable Diagnostic output.</pre>
Examples and Sample Usage	The command KILLUSER /KM will disconnect all MKDE users from the database in a single command. Provide the server, user, and password for remote server engines.
Other Information	KillUser is part of the Btrieve Utilities, Resources & Tools toolkit. For more information on these utilities contact us at www.goldstarsoftware.com
Version History	Version 1.3: First documented version
Known Problems	There are a limited number of options to KillUser. The PSConfig application provides much more power and flexibility.

ListDPg v1.1 for DOS

Program Description

ListDPg searches through Btrieve files and locates all Data pages in the file, displaying their location to StdOut in either text or comma-delimited format. This is quite useful to see how many data pages may be in a data file.

Another feature of ListDPg is the Auto-Number feature. This DESTRUCTIVE feature will automatically give each data page a new page number, such that ANY data page containing valid data will be recoverable. Note, though, that this feature will DESTROY the data file, making it unusable. Since ListDPg does not correct the PATs themselves, you must use DataSave98 in Dynamic PAT mode to recover data from a file once it is mangled in this way. Also, this feature will likely generate numerous duplicate records, so it is imperative to have a unique key available to filter out the duplicates.

Platform and Package

DOS; Btrieve Advanced Recovery ToolKit

Pricing

\$50 Licensed

Command Line Syntax and Help Screen

```
LISTDPG Version 1.1: 09/24 (C)2002 Goldstar Software Inc.
```

```
Usage: LISTDPG SrcFile [/C] [/A]
```

```
This utility scans SrcFile and reports all data pages to StdOut  
Use /C to output the data in comma-delimited format.  
Use /A to auto-number ALL data pages (useful for data recovery).
```

```
WARNING: Using /A will DESTROY the file and require DATASAVE98!.  
After Repairing the file, duplicates MUST then be filtered by a UNIQUE Key!.
```

Examples and Sample Usage

This example simply displays the data pages as they are found.

```
C:\Develop\BUTILS>listdpg custinfo.btr
```

```
LISTDPG Version 1.1: 09/24 (C)2002 Goldstar Software Inc.
```

```
Data Page 0x00000011 is at Physical Location 0x00006000.  
Data Page 0x00000011 is at Physical Location 0x00008000.  
Data Page 0x00000011 is at Physical Location 0x00019000.
```

Other Information

ListDPg is part of the Btrieve Advanced Recovery ToolKit.

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

Version History

Version 1.1: First documented version

Known Problems

The DOS version of ListDPg will not work on extended files or V8 files.

ListDPg v2.0 for Win32

Program Description

ListDPg searches through Btrieve files and locates all Data pages in the file, displaying their location to StdOut in either text or comma-delimited format. This is quite useful to see how many data pages may be in a data file.

ListDPg can also search for a single logical page and display all of its locations only. (This used to be done by the utility FindLP.) To use this option, specify the /L switch and immediately follow it with the hexadecimal page number.

Another feature of ListDPg is the Auto-Number feature. This DESTRUCTIVE feature will automatically give each data page a new page number, such that ANY data page containing valid data will be recoverable. Note, though, that this feature will DESTROY the data file, making it unusable. Since ListDPg does not correct the PATs themselves, you must use DataSave98 in Dynamic PAT mode to recover data from a file once it is mangled in this way. Also, this feature will likely generate numerous duplicate records, so it is imperative to have a unique key available to filter out the duplicates.

Platform and Package

Win32; Btrieve Advanced Recovery ToolKit

Pricing

\$50 Licensed

Command Line Syntax and Help Screen

```
LISTDPG Version 2.0: 08/02 (C)2003 Goldstar Software Inc.
```

```
Using Low-Level File I/O Version 0.2
```

```
Usage: LISTDPG SrcFile [/LLogicalPage] [/C] [/A]
```

```
This utility scans SrcFile and reports all data pages to StdOut
Use /L to specify a single logical page number for which to look.
Specify LogicalPage as a swapped 4-byte hex value (0x...) in Big-Endian.
Use /C to output the data in comma-delimited format.
Use /A to auto-number ALL data pages (useful for data recovery).
```

```
WARNING: Using /A will DESTROY the file and require DATASAVE98!.
After Repairing the file, duplicates MUST then be filtered by a UNIQUE Key!.
```

Examples and Sample Usage

This example simply displays the data pages as they are found.

```
C:\PVSW\demodata>listdpg course.mkd
LISTDPG Version 2.0: 08/02 (C)2003 Goldstar Software Inc.
```

```
Page (0044)00000004 in File 0 at Phys Location 0000f000 with Usage 8000.
Page (0044)00000004 in File 0 at Phys Location 00011000 with Usage 802c.
Page (0044)00000002 in File 0 at Phys Location 00012000 with Usage 802b.
Page (0044)00000001 in File 0 at Phys Location 00013000 with Usage 802b.
Page (0044)00000005 in File 0 at Phys Location 00015000 with Usage 800c.
```

This example shows the use of the single page function, with SDF output.

```
C:\PVSW\demodata>listdpg course.mkd /L03 /C
LISTDPG Version 2.0: 08/02 (C)2003 Goldstar Software Inc.
```

```
Page Type,Logical Page,File Number,Offset,Usage
0x8002,0x00000003,0,0x0000e000,0x0000
0x8002,0x00000003,0,0x00014000,0x0091
```

Other Information

ListDPg is part of the Btrieve Advanced Recovery ToolKit.

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

Version History

Version 2.0: Rewritten to use Win32 LowLevel I/O routines; included functionality from old FINDLP utility; added support for extended files, as well as V8 files; added display of usage count

Known Problems

If you auto-number the pages of a V8 file, they are unrecoverable, since DataSave98 does not currently support this format.

ListStat v1.4 for DOS

Program Description

ListStat is a direct replacement for BUTIL -STAT. In addition to being fewer characters to type, the ListStat output is more compact and often will eliminate the need to use "|MORE" when you use it.

For normal use, use the command format:

```
LISTSTAT filename
```

Additionally, ListStat has the capabilities to perform STAT calls across a series of filenames using wildcards in the filespec.

For example, to display statistics for all .BTR files, use:

```
LISTSTAT *.BTR
```

Finally, ListStat can be used to extract out only specific pieces of information from the STAT report, based on options provided on the command line.

Platform and Package

DOS; Btrieve Utilities Resources & Tools

Pricing

\$25 Shareware

Command Line Syntax and Help Screen

LISTSTAT Version 1.4: 03/13 (C)2000 Goldstar Software Inc.

Usage: LISTSTAT filespec [/Options] [/P=OwnerName]

This command STATs each Btrieve file in filespec and displays that information to the console.

```
/A Prints ALL Statistics. [Default]
/F Prints File Formats.
/S Prints Page Sizes.
/R Prints Record Count Information.
/L Prints Record Length Information.
/V Prints Variable Record Information.
/T Prints Key Total Information.
/K Prints Detailed Key Information.
/C Outputs Data in Comma-Delimited Format.
/M Suppresses 'Processing' Messages.
/P= Use this Btrieve Owner Name.
```

Examples and Sample Usage

For example, if you wanted to find out the file formats of all DDF files:

```
LISTSTAT *.DDF /F
```

This command displays:

LISTSTAT Version 1.4: 03/13 (C)2000 Goldstar Software Inc.

```
Processing File n:\pvsw\demodata\ATTRIB.DDF...
n:\pvsw\demodata\ATTRIB.DDF: File Version = 7.00
```

```
Processing File n:\pvsw\demodata\FIELD.DDF...
n:\pvsw\demodata\FIELD.DDF: File Version = 7.00
```

```
Processing File n:\pvsw\demodata\FILE.DDF...
n:\pvsw\demodata\FILE.DDF: File Version = 7.00
```

```
Processing File n:\pvsw\demodata\INDEX.DDF...
n:\pvsw\demodata\INDEX.DDF: File Version = 7.00
```

Statistical Output Complete.

To display a quick list of the records in each DDF File, try:

```
LISTSTAT *.DDF /R
```

This results in the following output:

LISTSTAT Version 1.4: 03/13 (C)2000 Goldstar Software Inc.

```
Processing File n:\pvsw\demodata\ATTRIB.DDF...
n:\pvsw\demodata\ATTRIB.DDF: Total Number of Records = 35
```

```
Processing File n:\pvsw\demodata\FIELD.DDF...
n:\pvsw\demodata\FIELD.DDF: Total Number of Records = 101
```

```
Processing File n:\pvsw\demodata\FILE.DDF...
n:\pvsw\demodata\FILE.DDF: Total Number of Records = 14
```

```
Processing File n:\pvsw\demodata\INDEX.DDF...
n:\pvsw\demodata\INDEX.DDF: Total Number of Records = 58
```

Statistical Output Complete.

For dumping data into a spreadsheet, add the /C option to output in comma-delimited format, and the /M to eliminate the "Processing" messages:

```
LISTSTAT *.DDF /R /M /C
```

This results in the following output:

```
LISTSTAT Version 1.4: 03/13 (C)2000 Goldstar Software Inc.
```

```
n:\pvsw\demodata\ATTRIB.DDF,35,
n:\pvsw\demodata\FIELD.DDF,101,
n:\pvsw\demodata\FILE.DDF,14,
n:\pvsw\demodata\INDEX.DDF,58,
```

Statistical Output Complete.

You will note that the processing messages, header, and footer are all sent to STDERR, so that these will not be visible if you redirect STDOUT.

Other Information

LISTSTAT is a shareware DOS utility available at no cost. Goldstar Software also provides a registered version of ListStat that includes both the DOS version and a Win32 version, suitable for use with Btrieve 6.15 and newer database engines. The Win32 also has several additional command-line options to improve usage.

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

Version History

Version 1.4: First Documented Version

Known Problems

None.

ListStat v2.6 for Win32

Program Description

The program LISTSTAT was designed to provide a better, more customizable interface to the Btrieve File Statistics information, better known as BUTIL -STAT information. The BUTIL -STAT command provides a display of the file's statistics, but it has some major problems, including a poor display (requiring the use of MORE to see the important details) and the complete lack of multi-file and wildcard support.

ListStat is a direct replacement for BUTIL -STAT. In addition to being fewer characters to type, the ListStat output is more compact and often will eliminate the need to use "|MORE" when you use it.

For normal use, use the command format:

```
LISTSTAT filename
```

Additionally, ListStat has the capabilities to perform STAT calls across a series of filenames using wildcards in the filespec.

For example, to display statistics for all .BTR files, use:

```
LISTSTAT *.BTR
```

Finally, ListStat can be used to extract out only specific pieces of information from the STAT report, based on options provided on the command line.

Platform and Package

Win32 Console; Btrieve Utilities Resources & Tools

Pricing

\$25 Licensed

Command Line Syntax and Help Screen

```
LISTSTAT Version 2.6: 12/16 (C)2002 Goldstar Software Inc.  
*** Registered 32-Bit Version ***.
```

```
Usage: LISTSTAT filespec [/options] [/O=OwnerName]  
This command STATs each Btrieve file and displays the data to the console  
/A Prints ALL Statistics. [Default]  
/E Prints Extended Stat Information.  
/F Prints File Formats.  
/G Generates Empty CREATE TABLE Statements.  
/P Prints Page Sizes.  
/R Prints Record Count Information.  
/L Prints Record Length Information.  
/V Prints Variable Record Information.  
/T Prints Key Total Information.  
/K Prints Detailed Key Information.  
/C Outputs Data in Comma-Delimited Format.  
/M Suppresses 'Processing' Messages.  
/N Starts each file's output segment on a New page (formfeeds).  
/S Recurses All Subdirectories.  
/O= Use this Btrieve Owner Name.
```

Also, the following 'macro' options have been defined:

```
/1 -> /AMN: Easily Generates printed STAT reports.  
/2 -> /FPRCM: Generates delimited report prior to data conversions.  
/3 -> /RM: Quickly checks record counts.
```

```
*** LISTSTAT COMMAND OPTIONS ***
```

The LISTSTAT program is even more powerful, though, since it allows a complete filespec to be used, instead of just a filename as the command line parameter. This filespec supports all standard DOS wildcards and pathing, so that you can simply specify *.BTR to get information on all BTR files. LISTSTAT will process these files in the order in which they are found. You can also specify a directory in which to search, as in:

```
LISTSTAT F:\PVS\W\DEMODATA\*.MKD  
LISTSTAT K:*.DAT
```

Examples and Sample Usage

These wildcards will save you loads of time when trying to analyze a system, especially when planning an upgrade where file conversion will be required. Of course, this is only half the fun! The other half comes when looking into the various options and features built into this powerful utility. These options can be used alone or in conjunction with other parameters, so that you can customize your LISTSTAT report to provide you with the exact information you need, with no extra text to clutter your screen. As you'll see, you can also set options to write the data to a comma-delimited file, excellent for importing into a spreadsheet!

*** LISTSTAT DISPLAY OPTIONS ***

There are several options that can alter the display of information by LISTSTAT. These options can be provided on the command line individually, or concatenated together. For example, the following command:

```
LISTSTAT filename /F /P /V
```

will produce the exact same output as the easier-to-type version:

```
LISTSTAT filename /FPV
```

There are also a few short-cut options, which function as macros, for the most common options. These are listed below the full set of options.

Let's examine the display options first, one by one.

/A (All Statistics): This option displays all file statistics to the screen, very similar to the output from a normal BUTIL -STAT function call, and it is the default. While not really invoking ALL functions, this option is the same as invoking the options: /FPRLVTK

/E (Extended Information): This option adds the extended filenames and system data and logging key information to the display. While this data is normally ignored, it can be useful when analyzing a data set for Replication.

/F (File Formats): This option displays the file version information. It properly reports file versions as old as 3.x, although all versions prior to 6.x are called "pre-6.x" by the BUTIL program. This just indicates the OLDEST version of Btrieve required to properly access the file.

/G (Generate CREATE TABLE Statements): This option was added specifically for working with Pervasive's DataExchange product, where new DDF's would need to be built to protect the current DDF's from getting mangled by any vendor modification. This option simple outputs a series of CREATE TABLE statements which can be captured into a script.

/P (Page Sizes): This option displays the page size of the file.

/R (Record Count Information): This option displays the number of records currently in the file.

/V (Variable Record Information): This option displays the information about Data Compression, Variable Length Records, VATs, Blank Truncation, and Free Space Threshold, if appropriate.

/T (Key Total Information): This option simply provides the total number of keys and segments for the file.

/K (Detailed Key Information): This option enables the display of the key/index information in the file. An example is shown below:

Key	Seg	Position	Length	Type	Flags	Nulls	Unique	Values	ACS
0	1	1	20	String	I M	--		22	--

1	1	28	25	String	IRMD	--	22	--
1	2	53	4	Unsigned	RMD	--	22	--
2	1	57	8	Unsigned	M	--	22	--

You'll note that there is NO legend for the key flags. The legend from BUTIL can be used, which includes the following:

```
Legend:
< = Descending Order
D = Duplicates Allowed
I = Case Insensitive
M = Modifiable
R = Repeat Duplicate
A = Any Segment (Manual)
L = All Segments (Null)
-- = Not Specified
```

/N (Start Output on a New Page): This option forces a FORMFEED character to the output screen after each file is processed. This provides a very simple way to create printed reports.

In addition to these command options, the following macro options are defined:

/1 (/AMN): This option generates printed STAT reports very easily.

/2 (/FPRCM): This option generates a comma-delimited file containing common data needed to review a data set prior to a file conversion. This data includes the file name, file version/format, record count, and page size.

/3 (/RM): This option is used to quickly generate a list of files with their record counts.

*** LISTSTAT PROCESSING OPTIONS ***

These options affect the way that LISTSTAT handles its search for files and how it handles the data once it finds a file.

/M (Suppress 'Processing' Messages): LISTSTAT sends its output to the console, otherwise known by developers as stdout. It also sends periodic progress information to the error console, or stderr. When you are dumping a large amount of file statistics, you can redirect stdout to a data file by using the redirection command, as shown below:

```
LISTSTAT filename /A >REPORT.TXT
```

This command dumps the information to the file REPORT.TXT. (You can go directly to a printer on LPT1 by using ">LPT1:" instead.) The other data, which is sent to stderr, is still visible on the screen so that you can watch the systems' progress. However, this gets very annoying if you just want to view something on the screen. Use the /M switch to disable these messages.

/S (Recurse Subdirectories): When the /S option is used, the given filespec will be applied to the current (or specified location) and all subdirectories of that directory. This adds another level of power to the system, since the command:

```
LISTSTAT F:\*.* /S /2
```

will scan an entire file server looking for Btrieve files. Of course, this will take some time to complete, but the resulting data will include all Btrieve files that could be found and their versions, page size, and more! Use this option with caution...

/O (Use this Btrieve Owner Name): Some Btrieve applications are distributed with owner names applied to the data files. In these cases, you may get a Status 51 (Invalid Owner) when you attempt to open the data file. The workaround to this

is to provide the owner name to LISTSTAT so that it can properly open the file. The proper syntax is:

```
LISTSTAT filename /A /O=Owner
```

You'll note that the /O option can NOT be concatenated with other options. You will also see that the "=" is required. The owner name provided must be less than 8 characters (longer ones will be chopped) and are case sensitive.

/C (Output in Comma-Delimited Format): Last, but certainly not least, is this option that completely reformats the output from LISTSTAT. Instead of a report-like format, the information is displayed in comma-delimited format. As an example, the command:

```
LISTSTAT dept.mkd /CFPR
```

will result in the output of:

```
dept.mkd,7.00,4096,22,
```

While not all that valuable in itself outside of saving bytes written to the screen, this is extremely powerful when used with wildcards, as in:

```
billing.mkd,7.00,4096,1315,  
class.mkd,7.00,4096,211,  
course.mkd,7.00,4096,145,  
dept.mkd,7.00,4096,22,  
enrolls.mkd,7.00,4096,6570,  
faculty.mkd,7.00,4096,96,  
room.mkd,7.00,4096,149,  
student.mkd,7.00,4096,1288,  
tuition.mkd,7.00,4096,8,  
person.mkd,7.00,4096,1500,
```

This output data can be quickly imported into an Excel spreadsheet, where the file version, page size, and record count can be put into columns for further processing. You'll note that the data is always output in the same order (refer to a full report for the order of information), regardless of the order of the parameters on the command line.

Other Information

ListStat for Win32 is provided as a registered program only. Goldstar Software can provide customized changes or other options to this program to registered users upon request. For more information, contact Goldstar Software Inc. at www.goldstarsoftware.com

Version History

Version 2.3: First Documented Version

Version 2.4: Minor Bugs Fixed When Using Owner Names

Version 2.5: Added support for Extended Filename Display (/E) and the display of System Key Information (also /E) and addressed another owner name issue.

Version 2.6: Added support for /G switch for creating DDF's with DataExchange.

Known Problems

None.

LogSplit v1.1 for Win32

Program Description

One of the shortcomings with the Pervasive DataExchange application is the log file system that is used. All log records are dumped into a single log, which is great in terms of simplicity, but it can be quite complex to actually interpret. Luckily, this log splitter can bring some order into the analysis of these logs.

The LogSplit utility parses out the DataExchange log files and creates a separate log file for each DX replication session. This allows you to clearly see what has transpired for any one replication session without having to manually interpret messages from multiple sessions simultaneously. LogSplit also provides an easy way to scan these log files for error messages, warnings, or informational messages, or any combination of the three.

Platform and Package

Win32

Pricing

\$200 for Single-DX License, \$800 for LAN Site License

Command Line Syntax and Help Screen

```
LogSplit Version 1.1: 02/24 (C)2004 Goldstar Software Inc.  
*** Registered 32-Bit Version ***.
```

```
Usage: LOGSPLIT DRElogfile [/options]  
Splits the given DRElogfile into multiple logfiles by replication session.  
/C Output Comma-Delimited.  
/S Split Log to Separate Files [Default is output to Stdout.  
/E Exclude ERROR Log Entries in Output.  
/W Exclude WARNING Log Entries in Output.  
/I Exclude INFORMATIONAL Log Entries in Output.  
/T Print Totals When Finished.
```

Examples and Sample Usage

The most obvious usage for this program is to split the logfile into separate log files for each replication session:

```
LOGSPLIT DRE.LOG /S
```

Another useful feature is to simply extract messages of the type ERROR from the log and display them on the screen, along with the total number of errors:

```
LOGSPLIT DRE.LOG /W /I /T
```

If you have too many errors to fit on the screen, you can redirect the output to a file and further analyze the file with this command:

```
LOGSPLIT DRE.LOG /W /I /T >dxerrors.log
```

Finally, if you prefer to analyze the logs in a database package, you can add the /C option to output all data in a comma-delimited format. This data can then be loaded into Excel, Access, or even a Pervasive.SQL database for further analysis. A scheduled batch file can be used to capture all DX log output each day, and our utilities SQLEXEC and MAKEBAT can be quite helpful in automatically importing the data as well.

Other Information

LogSplitter is a standalone tool.

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

Version History

Version 1.0: First documented version in Win32.

Version 1.1: Added ability to filter on Errors, Warnings, and Informationals.

Known Problems

None

LPLookup v1.1 for DOS

Program Description

Part of the Btrieve Advanced Recovery Toolkit, the LPLookup application accepts a logical page number (in hex), looks up the current location of that logical page in the PAT and returns both the physical location and physical page number.

This utility can be used with FindLP to cross-reference all occurrences of a given logical page with the location at which the PAT currently believes the logical page to be.

Platform and Package

DOS; Btrieve Advanced Recovery ToolKit

Pricing

\$25 Licensed

Command Line Syntax and Help Screen

LPLOOKUP Version 1.1: 04/02 (C)2001 Goldstar Software Inc.

Usage: LPLOOKUP SrcFile LogicalPage

This utility looks up the provided logical page number and returns the corresponding physical file offset.
Specify the LogicalPage as either Decimal or Hex (0x...).

Examples and Sample Usage

The LogicalPage value on the command line can be provided in either Decimal (normal numbers) or Hexadecimal (preceded by "0x"). If the "0x" is left off and you provide a hex value (with characters in the range A-F), you will receive a parsing error. It is unknown why decimal values were ever accepted.

For example, the command: *llookup custinfo.btr 0x00a* can return

```
LPLOOKUP Version 1.1: 04/02 (C)2001 Goldstar Software Inc.
```

```
File Version is 600.  
Logical Page 0x0000000a is at Physical Location 0x0001e000.  
This is Physical Page Number 0x0000001e.
```

Other Information

LPLookup is part of the Btrieve Advanced Recovery Toolkit.

A Win32 version is not yet available or planned.

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

Version History

Version 1.1: First documented version

Known Problems

This version will not yet work on 7.x extended files.

LPLookup v2.0 for Win32

Program Description

Part of the Btrieve Advanced Recovery Toolkit, the LPLookup application accepts a logical page number (in hex), looks up the current location of that logical page in the PAT and returns both the physical location and physical page number.

This utility can be used with FindLP to cross-reference all occurrences of a given logical page with the location at which the PAT currently believes the logical page to be.

Platform and Package

Win32; Btrieve Advanced Recovery ToolKit

Pricing

\$50 Licensed

Command Line Syntax and Help Screen

```
LPLOOKUP Version 2.0: 07/25 (C)2003 Goldstar Software Inc.
```

```
Using Low-Level File I/O Version 0.2
```

```
Usage: LPLOOKUP SrcFile LogicalPage
```

```
    This utility looks up the provided logical page number and returns
    the corresponding physical file offset.
    Specify the LogicalPage as either Decimal or Hex (0x...).
```

Examples and Sample Usage

The LogicalPage value on the command line can be provided in either Decimal (normal numbers) or Hexadecimal (preceded by "0x"). If the "0x" is left off and you provide a hex value (with characters in the range A-F), you will receive a parsing error. It is unknown why decimal values were ever accepted.

For example, the command: *llookup person.mkd 0x00a* can return

```
LPLOOKUP Version 2.0: 07/25 (C)2003 Goldstar Software Inc.
```

```
File Version is 800.
```

```
PAT indicates Logical Page 0x0000000a is Physical Page 0x0000001b.
Physical Page 0x0000001b is at Physical Offset 0x0001b000.
```

Other Information

LPLookup is part of the Btrieve Advanced Recovery Toolkit.

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

Version History

Version 2.0: First documented version in Win32, Supports 7.x and 8.x files, as well as extended files.

Known Problems

None

MakeBat v1.0 for DOS

Program Description	MakeBat is a utility that accepts text as input and for each line of that text, puts an optional prefix and suffix on it. Its primary purpose is to create batch files from the output of other commands.
Platform and Package	DOS; Goldstar Utility & Management Package
Pricing	\$10 Shareware
Command Line Syntax and Help Screen	<p>MAKEBAT Version 1.0: 04/05 (C) 1997 Goldstar Software, Inc.</p> <p>Usage: MAKEBAT "Prefix" ["Suffix"]</p> <p>This utility reads a file from stdin, adds the prefix and optional suffix, and writes the results to stdout. Use quotes around the text to include spaces or other special characters. Specify "" for the Prefix if you only want to add the Suffix.</p>
Examples and Sample Usage	<p>To create a batch file which makes a backup of all BTR files in a directory to a subdirectory called BACKUP:</p> <pre>DIR *.BTR /B MAKEBAT "XCOPY " " BACKUP" >BACKUP.BAT</pre> <p>Note that the DIR command creates the list of files, and the MAKEBAT command adds the COPY command and the destination. The output of MakeBat is sent to the BACKUP.BAT file, which is now ready to use.</p>
Other Information	<p>MakeBat is part of the Goldstar Utility & Management Package.</p> <p>A Win32 version is not yet available.</p> <p>For more information on these utilities contact us at www.goldstarsoftware.com</p>
Version History	Version 1.0: First documented version
Known Problems	None.

MakeNum v1.0 for DOS

Program Description	The MakeNum utility outputs a range of numbers, one per line to stdout. This information can be piped to MakeBat to create batch files with numbered lines, useful for stress-testing of processes.
Platform and Package	DOS; Goldstar Utility & Management Package
Pricing	\$10 Shareware
Command Line Syntax and Help Screen	<pre>MAKENUM Version 1.0: 04/11 (C) 1997 Goldstar Software, Inc. Usage: MAKENUM Start End This utility outputs sequential numbers from Start to End to stdout. Use with MAKEBAT to create sequentially numbered batch files.</pre>
Examples and Sample Usage	<p>To create a file containing a list of numbers from 10 to 50:</p> <pre>MAKENUM 10 50 >NUMBERS.TXT</pre>
Other Information	<p>MakeNum is part of the Goldstar Utility & Management Package.</p> <p>A Win32 version is not yet available.</p> <p>For more information on these utilities contact us at www.goldstarsoftware.com</p>
Version History	Version 1.0: First documented version
Known Problems	None.

Maker v1.3 for DOS

Program Description	The Maker program accepts BPART files created by the Breaker utility and reassembles them back into their original file.
Platform and Package	DOS; Goldstar Utility & Management Package
Pricing	FREE Shareware
Command Line Syntax and Help Screen	<pre>MAKER Version 1.3: (C) 1997-1999 Goldstar Software Inc. Usage: MAKER drv: pathname [/C] This command puts together a file broken down by the BREAKER. The file pieces are read from the specified drive drv:. (Default is A:) /C Specifies Continuous operation (No Keypresses) for network use.</pre>
Examples and Sample Usage	Specify the /C option when the BPART files are on a network or hard drive to avoid having to hit a key between each part.
Other Information	Maker is part of the Goldstar Utility & Management Package. A Win32 version is also available. For more information on these utilities contact us at www.goldstarsoftware.com
Version History	Version 1.3: First documented version
Known Problems	None.

Maker v2.0 for Win32

Program Description	The Maker program accepts BPART files created by the Breaker utility and reassembles them back into their original file.
Platform and Package	Win32 Console; Goldstar Utility & Management Package
Pricing	FREE Shareware
Command Line Syntax and Help Screen	<pre>MAKER32 Version 2.0: (C) 1998 Goldstar Software Inc. Usage: MAKER32 drv: pathname [/C] This command puts together a file broken down by the BREAKER. The file pieces are read from the specified drive drv:. (Default is A:) /C Specifies Continuous operation (No Keypresses) for network use.</pre>
Examples and Sample Usage	Specify the /C option when the BPART files are on a network or hard drive to avoid having to hit a key between each part.
Other Information	Maker is part of the Goldstar Utility & Management Package. For more information on these utilities contact us at www.goldstarsoftware.com
Version History	Version 2.0: First documented version
Known Problems	None.

MakeRecs v1.1 for DOS

Program Description	The MakeRecs application is a Btrieve debugging and stress testing tool. It allows you to rapidly insert records of a specified size into a data file at high speed.
Platform and Package	DOS; Btrieve Utilities, Resources & Tools
Pricing	FREE Shareware
Command Line Syntax and Help Screen	<pre>MAKERECS Version 1.1: 09/27 (C)2001 Goldstar Software Inc. Usage: MAKERECS RecSize DestFile [/N##] [/D] This command inserts records into a Btrieve File by inserting junk records with all NULLs. File cannot have UNIQUE keys except AutoInc! Use the /N option to insert ## records. Use the /D option to enable DEBUG mode.</pre>
Examples and Sample Usage	<p>After the data file is created (which can easily be done with the Function Executor), use MakeRecs to insert empty records into the file. An example, using 1000-byte records, is shown below.</p> <pre>MAKERECS 1000 TESTFILE.BTR</pre> <p>If you add the optional /N switch, then only that number of records will be inserted. This can be used to test performance of various files or options. If the /N is not included, then the process will insert records continuously until the user stops it by holding down both Shift keys.</p>
Other Information	<p>MakeRecs is part of the Btrieve Utilities, Resources & Tools toolkit.</p> <p>A Win32 version is not yet available.</p> <p>For more information on these utilities contact us at www.goldstarsoftware.com</p>
Version History	Version 1.1: First documented version
Known Problems	The DOS version of MakeRecs cannot insert records larger than 8192, due to DOS memory requirements. Workaround: Use the Pervasive Function Executor.

MakeUNF v1.1 for DOS

Program Description	MakeUNF allows you to grab data from a flat binary file and create a UNF file containing the data for import into Btrieve. It was originally written to grab data from a Great Plains archive file, but, like most utilities, it has found other uses since then.
Platform and Package	DOS; Btrieve Utilities, Resources & Tools
Pricing	\$10 Licensed
Command Line Syntax and Help Screen	<pre>MakeUNF Version 1.0: 04/05 (c)2000 Goldstar Software Inc. Usage: MAKEUNF <Sourcefile> <Destfile> <NumBytes> This utility takes a binary file, grabs NumBytes at a time from it, and writes them to DestFile, which will be formatted as a UNF. <Sourcefile> is the source UNF filename. <Destfile> is the destination file to be created. <NumBytes> is the number of bytes to insert.</pre>
Examples and Sample Usage	<p>If a binary file consists of repeating records, each 93 bytes long, then this command will create a UNF for with the data:</p> <pre>MAKEUNF DATA.BIN DATA.UNF 93</pre>
Other Information	<p>MakeUNF is part of the Btrieve Utilities, Resources & Tools toolkit.</p> <p>A Win32 version is not yet available or planned.</p> <p>For more information on these utilities contact us at www.goldstarsoftware.com</p>
Version History	<p>Version 1.0: First documented version</p> <p>Version 1.1: Added EOF Marker (Ctrl-Z) to Output File</p>
Known Problems	None.

MoveDDF v1.1 for DOS

Program Description	The MoveDDF application is a native Btrieve application which reads information from one set of DDF's and deposits that information into another set, handling the renumbering of file and field ID's on the way. It is similar to the older FSave and FLoad utilities, but it is faster and does not rely on Scalable SQL.
Platform and Package	DOS, DDF Utility & Management Package
Pricing	\$50 Licensed
Command Line Syntax and Help Screen	<p>MOVEDDF Version 1.1: 01/17 (C)2002 Goldstar Software Inc.</p> <p>Usage: MOVEDDF TableName [/D] [/P=Password]</p> <p>This command moves the TableName table information from one set of DDF's to another. The Destination set should reside in the current directory, while the Source DDF's should reside in the SOURCE subdir. Use "*" for TableName to process all Tables. Use the /D option to enable Debugging Output. Use the /P= option to provide the database Master Password.</p> <p>WARNING: SOURCE DDF's are DESTROYED By this process! Have a backup!</p>
Examples and Sample Usage	<p>The command "MOVEDDF *" will read file definitions from the DDF's in the SOURCE subdirectory and write them into the DDF's in the current directory. The end result is that all table definitions can be easily moved to a new set of DDF's, which can be useful when repairing the DDF structure itself.</p> <p>Note that the records are actually recursively handled from the SOURCE DDF's, and they are deleted to ensure proper operation. This means that all work must be done on a backup copy of the SOURCE DDF's, as they are destroyed in this process.</p> <p>The only DDF records actually processed are File, Field, Index, and Attrib. Data in any other DDF's relating to this table will NOT be transferred. This includes any views, user access rights, comments, relational integrity constraints, etc.</p> <p>As for Attrib, if the source file exists, then the destination ATTRIB.DDF file MUST exist. To prevent data loss, this is currently a fatal error and causes the program to terminate. If the source ATTRIB.DDF file does not exist but the destination DDF set has an ATTRIB.DDF file, this is not an error.</p>
Other Information	<p>MoveDDF is part of the DDF Utility & Management Package.</p> <p>A Win32 version is not yet available.</p> <p>For more information on these utilities contact us at www.goldstarsoftware.com</p>
Version History	Version 1.1: First documented version
Known Problems	Warning: The source DDF's are destroyed by the MOVEDDF process. You MUST have a backup of the source DDF's before beginning this process!

MoveRecs v1.3 for DOS

Program Description

The MoveRecs application allows you to either move or copy records from one Btrieve file to another. During this process, the source records are properly locked to prevent users from accessing the records as they are moved.

One option it can leverage is to only copy missing records, which can be quite helpful if a data file corruption results in lost records, yet most of these records can be recovered from another file on backup tape.

Platform and Package

DOS; Btrieve Utilities, Resources & Tools

Pricing

\$50 Licensed

Command Line Syntax and Help Screen

MOVERECS Version 1.3: 03/21 (C)2002 Goldstar Software Inc.

Usage: MOVERECS SrcFile DestFile [/N##] [/R] [/5] [/K##] [/U] [/C] [/D]

This command moves records from one Btrieve File to another by locking a record, inserting it to the new file, then deleting the original.

Use the /N option to copy only ## records.

Use the /R option to copy in reverse order (starting at end).

Use the /5 option to ignore Status 5's on the Inserts.

Use the /K option to specify a key to traverse (or -1).

Use the /U option to only process records which do not exist in DestFile.

Use the /C option to COPY instead of MOVE records.

Use the /D option to enable DEBUG mode.

Examples and Sample Usage

The basic form of the MoveRecs command line simply moves all records from the source file to the destination file:

```
MOVERECS ORIGFILE.BTR NEWFILE.BTR
```

In addition to this, the following command-line options are provided:

/N (Number of Records): This option specifies the number of records to move. If omitted, MoveRecs will move all records. This can be useful to “unload” data from an active file while users are using it.

/K (Key to Traverse): This option informs the application to access records based on the specified key path. This can be useful to remove the oldest records (i.e. by a date key) from a data file.

/U (Unique Records Only): This switch informs the program to only copy records which do not currently exist. This switch activates a linear scan, and so will slow down the move as the destination file gets larger and larger. When checking a record, since it cannot determine a valid key to use, it does a full comparison between the two records. This is useful for restoring data from a backup after a file corruption causes some data loss of older records.

/C (Copy): The normal operation is to move records, which deletes them from the source file after inserting them into the destination. This switch eliminates the delete operation, resulting in a copy instead of a move. It is similar to a BUTIL - COPY, but also supports the /N and /K switches.

Other Information

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

A Win32 version is not yet available.

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

Version History

Version 1.2: First documented version

Version 1.3: Added support for the /R and /5 options.

Known Problems

The DOS version of MoveRecs cannot handle records larger than 8192, due to DOS memory requirements. Workaround: None.

MrgFile v1.1 for DOS

Program Description	MrgFile takes a comma-delimited file containing a pathname and file name as separate fields and creates a single output line with JUST the full pathname.
Platform and Package	DOS; Goldstar Utility & Management Package
Pricing	\$10 Shareware
Command Line Syntax and Help Screen	<pre>MRGFILE Version 1.1: 02/22 (C)1998-2002 Goldstar Software, Inc. Usage: MRGFILE [/S<fields-to-skip>] [/B] This utility reads a comma-delimited file from stdin, parses out a path and filename from the specified fields, and writes the combined file & path in one string to the output. Options are: /S# Skips the first # fields in the input file. /B Use Bare (No Commas) Format; Overrides other Switches.</pre>
Examples and Sample Usage	Use MrgFile to take a COUNTTEXT output file and create a simple list of filenames. Then can be used to quickly create a file list, compatible with BUTIL – STARTBU, or for piping through MAKEBAT to create batch files.
Other Information	MrgFile is part of the Goldstar Utility & Management Package. A Win32 version is not yet available. For more information on these utilities contact us at www.goldstarsoftware.com
Version History	Version 1.1: First documented version
Known Problems	None.

MXZLExp v1.9 for Win32

Program Description The application MXZLExp was created to read the file MXZL.MAX from the MicroMRP MAX application and export the corresponding MSWord and other documents to individual files.

Platform and Package Win32 Console; Standalone Utility

Pricing \$200 Single-Use (90 day License)

\$800 Permanent License (For Maximizer Consultants and Resellers)

Command Line Syntax and Help Screen

MXZLEXP Version 1.9: 10/01 (C)2003 Goldstar Software Inc.

Usage: MXZLEXP Filename [/F] [/T] [/C] [/Lx] [/D]

This command exports the MXZL data files...
Use the /F option to display currently supported file types and exit.
Use the /T option to use the TXT extension for MXW Files.
Use the /C option to export Contact ID with Document Filenane.
Use the /Lx option to Enable the Linked Document Processor.
/LL = Export Long Names. (Default)
/LS = Export Short (8.3) Names.
/LC = Copy Data Files From Source Location.
/LW = Create Windows ShortCuts (LNK files).
Use the /D option to enable DEBUG mode.

Examples and Sample Usage

MXZLEXP MXZL.MAX

Adding the /F option to the command line will have the program display a list of the supported file types that can likely be extracted without difficulty.

Normally, Maximizer Word Processing (MaxWP) documents are exported with an extension of MXW. If you prefer to have these sent out with a TXT extension, use the /T switch. Note that this does NOT save the files in TXT format – it just uses this extension instead of MXW. You will still be required to have MaxWP to view these files.

If you want to keep track of which contact each document has come from, include the /C switch. This will add the contact ID as the leading part of the filename, allowing you to keep track of which document is which in the export directory.

Please note that there is no handling for duplicate filenames in a directory, and the last file with a given name will overwrite all other versions. If this is a critical feature, please request it for the next release of MXZLEXP.

The /L switch will enable you to extract Linked Documents. A linked document is defined as a shortcut that is stored inside the MXZL file. There are 4 options. The /LW option exports the Windows shortcut only – giving you a LNK file. This is best for an extract on the host system with limited disk space. The two options /LL and /LS create a text file that contains only the file name path of the linked file. These are useful for working on an external system (on which the original linked files are not accessible), and will be used more by consultants or VARs performing a text extract. The last option, /LC will locate the original file on the network (based on the shortcut data) and copy the file to the local export directory. Note that this option can consume a large amount of disk space, and should not be attempted unless sufficient space is available!

Other Information

MXZLExp is a standalone utility from Goldstar Software Inc.

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

Version History

Version 1.0: First documented version

Version 1.1: Added support for file dates by extracting the date from the record and setting the date accordingly.

Version 1.2: Added Btrieve Chunking support to handle records of any arbitrary size.

Version 1.3 through 1.6: Added support for /T option to use TXT instead of MXW extensions for MAXWord files. Added /C option to export not only the company GUID, but also the contact GUID (after a semicolon) where available. Redesigned the file extension detection code to use an array & added additional file types. Added the /F option to display supported file types. Added ability to handle Linked files (not just embedded). The /LS and /LL options allow the export of the linked filename to a .LINK extension, whereas the /LC actually locates the original data file and copies it into the current directory, if possible.

Version 1.7 through 1.8: Improved help text and background processing.

Version 1.9 Fixed a bug with improper handling of filenames with question marks.

Known Problems

Not all records types are correctly exported. All are saved in the Btrieve file as OLE data blocks, and only Maximizer WP and MSOffice files seem to be perfectly accessible once they are exported. Excel spreadsheets may have to be "Unhidden" to be usable, but many are OK. Visio docs may or may not export correctly. MSAccess databases and other unusual data types may not be accessible at all. Shortcuts to linked documents are properly handled by newer versions.

OpenClos v1.1 for DOS

Program Description	This stress-testing utility simply opens and closes a Btrieve data file as fast as it can, over and over, until the user chooses to exit.
Platform and Package	DOS; Btrieve Utilities, Resources & Tools
Pricing	FREE Shareware
Command Line Syntax and Help Screen	<pre>OPENCLOSE Version 1.1: 07/24 (C)2001 Goldstar Software Inc. Usage: OPENCLOS Filename This command continuously opens & closes the Btrieve file.</pre>
Examples and Sample Usage	None.
Other Information	<p>OpenClos is part of the Btrieve Utilities, Resources & Tools toolkit.</p> <p>A Win32 version is not yet available.</p> <p>For more information on these utilities contact us at www.goldstarsoftware.com</p>
Version History	Version 1.1: First documented version
Known Problems	None.

PATCheck v1.3 for DOS

Program Description

The PATCheck application opens the Btrieve 6.x or 7.x database file as a standard binary file. As it works, it loops over all valid Logical Page numbers, looks up the corresponding physical location for each logical page, and verifies the logical page signature located at that physical location.

While PATCheck only validates the integrity of the PAT pages themselves, it can be used to review the basic integrity of a file more quickly than KeyCheck.

Platform and Package

DOS; Btrieve Advanced Recovery ToolKit

Pricing

\$25 Shareware

Command Line Syntax and Help Screen

PATCHECK Version 1.3: 10/30 (C)2001 Goldstar Software Inc.

Usage: PATCHECK SrcFile [/F] [/R]

This utility scans a file's Page Allocation Table and reports any inconsistencies which it finds.

Use the /R Flag to suppress progress reporting every 1000 pages.

Use the /F Flag to automatically fix any problems. (Registered Only)

Note: Use of this program without a proper BACKUP is prohibited.

Examples and Sample Usage

The following text is an example run on a file with a corrupted PAT entry:

```
PATCHECK Version 1.3: 10/30 (C)2001 Goldstar Software Inc.
```

```
Scanning file xc.dat for PAT inconsistencies...
```

```
Hold both Shift keys to exit...
```

```
Bad: Logical Page 0x00000002 Type 0x44 <> Physical Type 0x00.
```

```
Bad: Logical Page 0x00000002 <> Physical Location 0x00019c00.
```

```
Scan complete.
```

```
Total Problems Found: 1
```

As you can see, logical page 2 was indicated by the PAT as a Data page (page type 0x44) at physical location 0x00019c00. However, when the page at that physical location was read, it contained a free-space page (page type 0x00) with a different logical page number.

Use the /R option to eliminate the periodic status reporting.

Other Information

PATCheck is part of the Btrieve Advanced Recovery Toolkit. The /F option is not supported in the DOS version.

A Win32 version is not yet available.

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

Version History

Version 1.3: First documented version

Known Problems

This version will not yet work on 7.x extended files. Fix: Use the Win32 version.

This version has problems detecting PAT problems beyond end-of-file.

PATCheck v3.0 for Win32

Program Description

The PATCheck application opens the Btrieve 6.x or 7.x database file as a standard binary file. As it works, it loops over all valid PAT Pairs. For each PAT pair, it loops over the Logical Page numbers for that PAT, looks up the corresponding physical location for each logical page, and verifies the logical page signature located at that physical location.

While PATCheck only validates the integrity of the PAT pages themselves, it can be used to review the basic integrity of a file more quickly than KeyCheck.

The Win32 version of the PATCheck utility is much more robust and faster than the DOS version. The DOS version should be fully retired.

Platform and Package

Win32 Console; Btrieve Advanced Recovery ToolKit

Pricing

\$50 Licensed

Command Line Syntax and Help Screen

```
PATCHECK Version 3.0: 07/25 (C)2003 Goldstar Software Inc.
```

```
Using Low-Level File I/O Version 0.2
```

```
Usage:  PATCHECK SrcFile [/F] [/R]
```

```
    This utility scans a file's Page Allocation Table and reports any inconsistencies which it finds.
```

```
    Use the /R Flag to suppress progress reporting every new PAT pair.
```

```
    Use the /F Flag to automatically fix any problems. (Registered Only)
```

```
    Note: Use of this program without a proper BACKUP is prohibited.
```

Examples and Sample Usage

The following text is an example run on a file with a corrupted PAT entry:

```
PATCHECK Version 3.0: 07/25 (C)2003 Goldstar Software Inc.
```

```
Scanning file CORRUPT.DAT for PAT inconsistencies...
```

```
Checking PAT Pair 1...
```

```
LogPAT 0x00000001(44) -> PhysPage 0x00000020 with LogPage 0x00aaaaaa(aa).
```

```
LogPAT 0x00000002(80) -> PhysPage 0x0000003a with LogPage 0x00aaaaaa(aa).
```

```
LogPAT 0x00000004(44) -> PhysPage 0x00000010 with LogPage 0x00aaaaaa(aa).
```

```
LogPAT 0x00000006(44) -> PhysPage 0x00000012 with LogPage 0x00aaaaaa(aa).
```

```
LogPAT 0x00000009(44) -> PhysPage 0x00000039 with LogPage 0x00aaaaaa(aa).
```

```
Scan complete.
```

```
Total Problems Found: 5
```

As you can see, the PAT indicates that logical page 1 is a Data page (page type 0x44) at physical page 0x00000020. However, when the page at the corresponding physical location (0x20 * page size) was read, it had an invalid page header.

Use the /R option to eliminate the periodic status reporting.

Other Information

PATCheck is part of the Btrieve Advanced Recovery Toolkit. The /F option is not supported in this release. Additional switches are planned as well.

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

Version History

Version 2.0: First documented version

Version 2.1: Fixed problems with missing physical pages beyond EOF.

Version 2.2: Fixed bugs with 7.x extended files (tested to 5GB).

Version 2.4: Reduced line length of error messages

Version 3.0: Rewritten to use low-level I/O Routines, Supports V8 files.

Known Problems

None.

PATFix v1.6 for DOS

Program Description

PATFix is a program that allows a knowledgeable user to swap the active FCR and PAT pages in an existing Btrieve file with their shadowed equivalent.

PATFix thus allows you to “fix” corruption caused by a database crash when using the Win32 Btrieve 6.15 workstation engines before 6.15.451. (Only older versions of the Win32 Workstation Engine and WinNT Server Engine have this problem.)

Platform and Package

DOS; Btrieve Administrators Recovery ToolKit

Pricing

\$10 Shareware

Command Line Syntax and Help Screen

PATFIX Version 1.6: 04/23 (C) 2001 Goldstar Software Inc.

This utility corrects corrupted PAT Usage Counters in Btrieve Files.
See the accompanying README.TXT file for more information.

Usage: PATFIX <FileName> [/D]
<FileName> is file to process.
/D indicates full debugging mode.

This is a SHAREWARE release of PATFIX. The registration fee is only \$10 US per site. Registering PATFIX will provide additional technical support on Btrieve databases via E-mail. To register, send your \$10 check to:

Goldstar Software Inc.
3007 Carmel Drive
Flossmoor, IL 60422-2262

For distribution information or access to source code, contact Bill Bach at the above address, via phone at 708-647-7665, or via E-mail at BillBach@compuserve.com or BillBach@GoldstarSoftware.com.

Examples and Sample Usage

See the accompanying README file for a better description of the PATFix problem and how to avoid it in the future.

Other Information

PATFix is part of the Btrieve Advanced Recovery Toolkit.

A Win32 version is not yet available.

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

Version History

Version 1.6: First documented version

Known Problems

Please note that PATFix does NOT fix the data file – it merely allows a better chance at recovering more data. You MUST have a backup before using this utility on your databases, as it may make the data completely unusable.

PATFix is only valid when used on Btrieve 6.x file formats.

PATFix v3.1 for Win32

Program Description

PATFix is a program that allows a knowledgeable user to swap the active FCR and PAT pages in an existing Btrieve file with their shadowed equivalent.

PATFix thus allows you to “fix” corruption caused by a database crash when using the Win32 Btrieve 6.15 workstation engines before 6.15.451. (Only older versions of the Win32 Workstation Engine and WinNT Server Engine have this problem.)

PATFix also can be used as an effective PAT viewer to scan for obvious corruption, such as the shifted bytes that result from RealTek network drivers.

Platform and Package

DOS; Btrieve Administrators Recovery ToolKit

Pricing

\$75 Licensed

Command Line Syntax and Help Screen

PATFIX Version 3.1: 11/21 (C)2003 Goldstar Software Inc.

Using Low-Level File I/O Version 0.4

This utility corrects corrupted PAT Usage Counters in Btrieve Files.
See the accompanying README.TXT file for more information.

Usage: PATFIX <FileName> [/D]
<FileName> is file to process.
/D indicates full debugging mode.

This is a SHAREWARE release of PATFIX. The registration fee is only \$10 US per site. Registering PATFIX will provide additional technical support on Btrieve databases via E-mail. To register, send your \$10 check to:

Goldstar Software Inc.
3007 Carmel Drive
Flossmoor, IL 60422-2262

For distribution information or access to source code, contact Bill Bach at the above address, via phone at 708-647-7665, or via E-mail at BillBach@GoldstarSoftware.com.

Examples and Sample Usage

See the accompanying README file for a better description of the PATFix problem and how to avoid it in the future.

Other Information

PATFix is part of the Btrieve Advanced Recovery Toolkit.

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

Version History

Version 3.0: New Win32 version written with LowLevel I/O routines; supports V8 files and extended files in the V7 and V8 file formats.

Version 3.1: Fixed bug in LowLevel code with displaying FCR pages on 6.x files.

Known Problems

Please note that PATFix does NOT fix the data file – it merely allows a better chance at recovering more data. You MUST have a backup before using this utility on your databases, as it may make the data completely unusable.

PPLookup v1.1 for DOS

Program Description

This low-level utility accepts a physical position (offset in bytes from the start of the data file) and scans the PAT pairs looking for any PAT entries that refer to that physical page.

This can help you locate the logical page information for a given physical page. Note that if a given page is pointed to by more than one active PAT entry, there is some sort of PAT corruption that must be fixed, and there will likely be at least one page NOT pointed to by any PAT.

Platform and Package

DOS; Btrieve Advanced Recovery ToolKit

Pricing

\$25 Licensed

Command Line Syntax and Help Screen

PLOOKUP Version 1.2: 02/20 (C)2002 Goldstar Software Inc.

Usage: PLOOKUP SrcFile PhysicalPosition [/I]

This utility looks up the provided physical position and returns the corresponding logical page number from the PAT. Specify the PhysicalPosition as either Decimal or Hex (0x...). Use /I to also scan INACTIVE PAT Pages.

Examples and Sample Usage

An example run of this program is shown below.

```
C:\>pplookup custinfo.btr 0x8000 /I
PLOOKUP Version 1.2: 02/20 (C)2002 Goldstar Software Inc.
```

```
File Version is 600.
PAT Ptr to 0x00008000 on INACTIVE 1, Offset 0x0048 (Logical 0x00000011).
PAT Ptr to 0x00008000 on PAT Pair 1, Offset 0x0050 (Logical 0x00000013).
```

Note that the physical position was specified in Hex with the leading "0x". Omitting this prefix causes the number to be interpreted as a decimal value. The use of the /I flag also causes the system to look on the previous PAT pages, in case a page was somehow cut out of the last transaction.

A page that is found ONLY on the INACTIVE PAT is one that may have been lost by a crash. If the page has valid data, then it needs to be reinserted back into the PAT at the appropriate location.

Other Information

PPLookup is part of the Btrieve Advanced Recovery Toolkit.

A Win32 version is not yet available.

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

Version History

Version 1.1: First documented version

Version 1.2: Fixed documentation errors in the help screen.

Known Problems

None.

PPLookup v2.0 for Win32

Program Description

This low-level utility accepts a physical page number (default) or a physical position (with /O switch) and scans the PAT pairs looking for any PAT entries that refer to that physical page.

If you specify the /O switch to provide a position and the file contains multiple extents, you can specify the extent first, using a colon between the two values (see sample usage).

This utility can help you locate the logical page information for a given physical page. Note that if a given page is pointed to by more than one active PAT entry, there is some sort of PAT corruption that must be fixed, and there will likely be at least one page NOT pointed to by any PAT.

Platform and Package

Win32; Btrieve Advanced Recovery ToolKit

Pricing

\$50 Licensed

Command Line Syntax and Help Screen

```
PPLOOKUP Version 2.0: 07/25 (C)2003 Goldstar Software Inc.
```

```
Using Low-Level File I/O Version 0.2
```

```
Usage: PPLOOKUP SrcFile Position [/I] [/P] [/O]
```

```
This utility looks up the provided physical page number or position and returns the corresponding logical page number from the PAT.
```

```
Specify the Position as either Decimal or Hex (0x...).
```

```
Use /P to indicate that Position is a Page Number. [Default]
```

```
Use /O to indicate that Position is an Offset (or extent:offset).
```

```
Use /I to scan INACTIVE PAT Pages.
```

Examples and Sample Usage

An example run of this program is shown below.

```
C:\>pplookup person.mkd 0x1B
```

```
PPLOOKUP Version 2.0: 07/25 (C)2003 Goldstar Software Inc.
```

```
Searching for Physical Page 0x0000001b...
```

```
File Version is 800.
```

```
PAT Ptr to 0x0001b000 on PAT Pair 1, Offset 0x004a (Logical 0x0000000a).
```

Note that the physical position was specified in Hex with the leading "0x". Omitting this prefix causes the number to be interpreted as a decimal value.

The use of the /I flag causes the system to look on the previous PAT pages, in case a page was somehow cut out of the last transaction. A page that is found ONLY on the INACTIVE PAT is one that may have been lost by a crash. If the page has valid data, then it needs to be reinserted back into the PAT at the appropriate location.

Other Information

PPLookup is part of the Btrieve Advanced Recovery Toolkit.

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

Version History

Version 2.0: First documented Win32 version, added extended file and support, added 8.x support, added support for page number OR position.

Known Problems

None

PSConfig v2.10 for Win32

Program Description

The PSConfig application is a multi-purpose utility leveraging the DTI programming interface in Pervasive.SQL 2000 and above.

The first use for PSConfig is to extract information from the database about users, files, and so on, in a similar format to the Pervasive Monitor. This information can then easily be collected & sent to the screen or piped to a file for further review. It can also collect ALL of the information very quickly, whereas using the Monitor requires a lot of GUI work.

The second use is to display the configuration parameters of a Pervasive.SQL database. PSConfig can extract either the current or default parameters from a server and dump them to a specially formatted PSConfig file. It has the ability to display the settings from a PSConfig file, as well as re-load those settings back into a database server. This can be especially helpful when a reinstallation is necessary.

PSConfig can enable or disable MKDE tracing with a single command. This functionality is also provided in the sub-application, SETTRACE.

Newer versions of PSConfig also allow the user to kill off user connections in the SRDE and the MKDE, by address, user name, or with access to (or locks on) a file.

Additionally, PSConfig can access any available database server for this information, and can even provide information in an HTML format for use as a CGI application.

Platform and Package

Win32 Console; Btrieve Utilities, Resources & Tools

Pricing

\$250 Single-Computer License

\$800 LAN Site License

Command Line Syntax and Help Screen

PSConfig Version 2.10 02/10 (C) 2001-04 Goldstar Software Inc.

Usage: PSCONFIG [/options]

These options access Pervasive.SQL Monitor Information (can be combined).

/M outputs ALL Monitor Information.

Add R(esources), C(ommStats), F(iles)[E], U(sers)[E|T], N(amed DBs)[E], S(QL Conns)[E], V(ersion). Options: E=Expanded output, T=Include Totals.

Use /K option to kill all Pervasive.SQL database connections.

Add M(KDE Connections) or S(QL Connections).

Add T<address> or I<address> to remove all for one TCP/IPX address.

Add L<filename> or F<filename> to kill all Locks/Users for one file.

Add U<username> to kill all connections from the given username.

Only ONE sub-option requiring a <parameter> can be used at a time.

These options access Pervasive.SQL Configuration Information.

/C outputs all Configuration information. (/CD for Defaults)

/Ofilename outputs to a PSConfig file 'filename'.

/Ifilename imports values from a PSConfig file 'filename'.

/Lfilename lists details from a PSConfig file 'filename'.

/T1 Enables MKDE Tracing, /T0 (default) disables it.

These options provide filesystem information.

/F<pathname> provides the amount of disk free space on the path.

These options can be used with any of the above.

/Sserver specifies a server to contact (Default=localhost).

/User specifies a username to use (Default=none).

/Ppassword specifies a password to use (Default=none).

/H outputs results in HTML format, /A is interActive (for Web/CGI).

Examples and Sample Usage

To quickly list the users in the system with all of their connection data:

```
PSCONFIG /MUE
```

This command exports the configuration data to a PSConfig file SERVER.DAT:

```
PSCONFIG /O SERVER.DAT
```

This command imports a PSCONFIG file into a database.

```
PSCONFIG /ISERVER.DAT
```

This command shows all data for the specified server, in HTML format. The resulting data can be piped to a browser for display:

```
PSCONFIG /ME /Smyserver /Uadmin /Ppwd /H
```

This command kills all user connections from 10.0.0.5.

```
PSCONFIG /KT10.0.0.5
```

This command kills all connections from user named "Bill".

```
PSCONFIG /KUBill
```

This command displays open file information.

```
PSCONFIG /MFET
```

The CGI scripting capabilities have an automated menuing system, complete with login information. First, ensure that the database client or engine is installed on the web server. Second, copy the application and any support files to a directory visible to IIS (e.g. "scripts") and verify that it can be executed in IISAdmin. Finally, access the program with the /a switch in the URL, as shown below:

```
http://servername/scripts/psconfig.exe?/a
```

Other Information

PSCONFIG for Win32 is provided as a registered program only as part of the Btrieve Utilities, Resources & Tools toolkit. Goldstar Software can provide customized changes or other options to this program to registered users upon request. For more information, contact Goldstar Software Inc. at www.goldstarsoftware.com

Version History

Version 1.0: First documented version

Version 1.7: Added numerous features.

Version 1.8: Fixed several minor bugs.

Version 2.00: Completed new CGI capabilities.

Version 2.10: Added ability to query drive free space (/F).

Known Problems

Runs from Windows Servers only.

May require updated DLL on PSQL2000i.

Tracing On/Off currently works on PSQL2000i only.

ReadFile v1.3 for DOS

Program Description	The ReadFile utility provides a way to jump to any point within a file and dump a series of bytes (up to 8192) to the console. It can dump the data in either hex or ASCII.
Platform and Package	DOS; Goldstar Utility & Management Package and DOS; Btrieve Administrator's Recovery Toolkit
Pricing	\$10 Shareware
Command Line Syntax and Help Screen	<pre>READFILE Version 1.4: 02/22 (C)2000-2002 Goldstar Software Inc. This utility reads from an existing file at the given Position and Length, displaying the data to StdOut. Usage: READFILE <SourceFile> <Offset> <Length> [/H] <FileName> is the file to read from. <Offset> is the offset from which to read. <Length> is the number of bytes to read (up to 8192). /H Enables HEX output mode.</pre>
Examples and Sample Usage	To read the first 256 bytes of a file in hex: <pre>READFILE FILENAME.BIN 0 256 /H</pre>
Other Information	ReadFile is part of the Goldstar Utility & Management Package. A Win32 version is not yet available. For more information on these utilities contact us at www.goldstarsoftware.com
Version History	Version 1.3: First documented version Version 1.4: Fixed minor error in help text and errors in the Hex display format.
Known Problems	As a DOS app, this program cannot read any file larger than 2GB.

RemFile v1.0 for DOS

Program Description	RemFile provides to remove extraneous lines from a text file. It accepts input one line at a time from stdin, compares the string to the provided substring, and outputs only those lines that do NOT contain the substring.
Platform and Package	DOS; Goldstar Utility & Management Package
Pricing	\$10 Shareware
Command Line Syntax and Help Screen	<pre>REMFIL Version 1.0: 02/20 (C) 1998 Goldstar Software, Inc. Usage: REMFILE <substring> [/D] This utility reads a text file from stdin, searches for the given <substring> text, and if that text exists in the line, does NOT write the line to stdout. If the text does not exist, it DOES write it. This is useful to cull lines containing text from a COUNTTEXT listing. Options are: /D Turn on Debugging Messages.</pre>
Examples and Sample Usage	<p>To remove messages about the workstation engine from a PVSU.LOG file:</p> <pre>REMFIL WSE <C:\WINDOWS\PVSU.LOG >C:\WINDOWS\PVSU.BAK DEL C:\WINDOWS\PVSU.LOG REN C:\WINDOWS\PVSU.BAK PVSU.LOG</pre>
Other Information	<p>RemFile is part of the Goldstar Utility & Management Package.</p> <p>A Win32 version is not yet available.</p> <p>For more information on these utilities contact us at www.goldstarsoftware.com</p>
Version History	Version 1.0: First documented version
Known Problems	None.

SetTrace v1.0 for Win32

Program Description	SetTrace is a simple Win32 utility that allows you to enable or disable MKDE tracing on a given server from a command line.
Platform and Package	Win32; Btrieve Utilities, Resources & Tools
Pricing	\$10 Shareware
Command Line Syntax and Help Screen	<p>SetTrace Version 1.0: 11/28 (C)2002 Goldstar Software Inc.</p> <p>Usage: SETTRACE [/options]</p> <p>These options can be used with this command.</p> <ul style="list-style-type: none">Use /T1 to enable MKDE Tracing.Use /T0 to disable MKDE Tracing.Use /Sserver to specify a server to contact (Default=localhost).Use /User to specify a username to use (Default=none).Use /Ppassword to specify a password to use (Default=none).Use /D to enable Diagnostic output.
Examples and Sample Usage	See above – help is self-explanatory for this simple tool.
Other Information	SetTrace is part of the Btrieve Utilities, Resources & Tools package. For more information on these utilities contact us at www.goldstarsoftware.com
Version History	Version 1.0: First documented version
Known Problems	None.

ShowParm v1.0 for DOS

Program Description	ShowParm is a DOS application that simply echoes the parameters sent to it.
Platform and Package	DOS; Goldstar Utility & Management Package
Pricing	FREE Shareware
Command Line Syntax and Help Screen	None.
Examples and Sample Usage	The command SHOWPARGM /? Provides this output: Parameter #0 is <C:\DEVELOP\UTILS\SHOWPARGM.EXE> Parameter #1 is </?> Parameter #2 is <(null)>
Other Information	ShowParm is part of the Goldstar Utility & Management Package. A Win32 version is not yet available. For more information on these utilities contact us at www.goldstarsoftware.com
Version History	Version 1.0: First documented version
Known Problems	None.

SQLExec v1.4 for Win32

Program Description	SQLExec is a Win32 application that accepts SQL statements or script files and executes each statement in the ODBC environment.
Platform and Package	Win32; Stand-Alone Utility Only
Pricing	\$200 Per Workstation License \$800 Per LAN Site License

Command Line Syntax and Help Screen

SQLEXEC Version 1.4: 10/30 (C)2003 Goldstar Software Inc.

```
Usage:  SQLEXEC <DSN> ["Statement"] [/options]
This command executes SQL Statements Against a DSN.
<DSN> is the ODBC Data Source Name with which to connect.
"Statement" Is the optional SQL statement to execute (up to 256 chars).
  /U<username> specifies a User Name to use (Default=Master).
  /P<password> specifies a Password for this User Name.
  /C<filename> to instead read a connection string from a file.
  /F<filename> executes statements from the given file.
  /S<symbol> specifies the separator symbol in the input file. (Default=#)
  /B Enables Blank Processing (Eliminates Trailing Spaces From Data).
  /W displays output in Fixed Width Format (Default is comma-delimited).
  /H Disables the Column Header Row.
Error Logging Options:
  /EO Logs Errors to StdOut. (Default is logging to stderr.)
  /EL[file] Logs to SQLEXEC.ERR or optional text file provided.
  /EC[file] Logs to SQLEXEC.ERR [or file] as Comma-Separated Values.
  /D Enables Debugging Output.
(Single-letter options can be combined.)
```

Examples and Sample Usage

To run a single statement from the command line:

```
SQLEXEC DEMODATA "Select * from Person"
```

To run a script from a file called SCRIPT.SQL:

```
SQLEXEC DEMODATA /FSCRIPT.SQL
```

Input Required:

The /U and /P options can be provided to log into the database, if security is enabled. You can optionally use a connection string from a separate text file that has all of these settings defined in it, if needed. In this case, be sure to specify a DSN (like "none") as a placeholder for this required parameter.

If the Connection String file is used, the file should be a simple text file with one line only – the ODBC Connection String for the data source. See Microsoft Developer documentation for full details about this string.

To run multiple statements with the same function call, use the /F option. The Script file should be a simple text file. Separate multiple statements with a pound sign (#) or a user-definable character (using /S option).

Output Returned:

The default output of this program will be a series of rows displayed as a comma-delimited list of all fields requested from the SQL statement (if a SELECT statement) or nothing (in the case of an INSERT or UPDATE statement). The first row will be a header row defining each field in the query. With this output, you can easily import the data into MSAccess or MSEXcel, or other applications.

To eliminate the header row (useful if you are concatenating the output from several smaller Subqueries), add the /H switch to the command line.

Normally, the fields are displayed as space-padded fields to their full length. Use the /B switch to eliminate trailing blanks from any fields.

If you are displaying data on-screen, the comma-delimited output gets a bit difficult to read. Use the /W switch to instead display the data as fixed-width fields. The width of each field will be the maximum of the field width or the column heading length

Error Handling:

Normally, errors are logged to stderr, allowing you to redirect stdout (1>) to a file for your output, and stderr (2>) to get the error messages separately. If you want them included in the same output file, use the option /EO to send ODBC error messages to stdout. To use a separate text log file, use the /EL option. BY default, this places all errors on their own line in the file called SQLEXEC.ERR. If you wish to use a different file (to keep track of different process errors separately), then add the error log filename after the /EL, as in /ELERROR.LOG. If you will be examining the errors with a database application, then use the /EC option to output all errors to the comma-separated value file SQLEXEC.ERR, or provide your own filename as above.

When the program exits, it will set the environment variable ERRORLEVEL that can be queried to determine the exit status. The following values are currently defined:

- 1 = Bad Arguments On Command Line
- 2 = Beta Period Has Expired
- 3 = Unable to Read Connect String File
- 4 = Unable to Connect to Specified Database
- 5 = Error while Executing Statement.
- 6 = Error Shutting Down.

Note that errors caused by bad data are NOT a cause for exiting the application, but instead are simply displayed as errors.

Other Information

SQLExec is a standalone utility from Goldstar Software.

While written for Pervasive.SQL, this utility has been successfully tested against SQLServer, Oracle, and Sybase databases and found to be functional using both DSN's and Connection Strings.

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

Version History

Version 1.0: First documented version

Version 1.1: Added support for /C (Connection String).

Version 1.2: Added switch to disable column header row.

Version 1.3: Improved runtime error handling of some SQLState conditions. Added /W switch to display fixed-width output.

Version 1.4: Standardized return code values for ERRORLEVEL and added Error Logging Options.

Known Problems

Interactive Mode not yet complete.

UpdtRecs v1.1 for Win32

Program Description	The UpdtRecs application is a Btrieve debugging and stress testing tool. It allows you to rapidly update records in a data file at high speed. This can be a very useful utility for testing multi-user access against an application, or to see what happens during a large number of updates with various database engine tuning options. It was originally written to test performance gains and datafile growth in the various file formats.
Platform and Package	Win32; Btrieve Utilities, Resources & Tools
Pricing	\$25 Shareware
Command Line Syntax and Help Screen	<pre>UPDTRECS Version 1.1: 12/26 (C)2003 Goldstar Software Inc. Usage: UPDTRECS SrcFile [/N##] [/L] [/R] [/K##] [/T] [/D] This command updates records in place to stress-test the DB Engine Use the /N option to update only ## records. Use the /L option to lock records as it updates. Use the /R option to work in reverse order (starting at end). Use the /K option to specify a key to traverse (or -1). Use the /T option to disable the Twirly. Use the /D option to enable DEBUG output.</pre>
Examples and Sample Usage	<p>To configure UpdtRecs to update 1000 records, starting with the end of the file, and while locking records (to allow for multi-user access), use a command like the following:</p> <pre>UPDTRECS TESTFILE.BTR /N1000 /L /R</pre>
Other Information	<p>MakeRecs is part of the Btrieve Utilities, Resources & Tools toolkit.</p> <p>For more information on these utilities contact us at www.goldstarsoftware.com</p>
Version History	Version 1.1: First documented version
Known Problems	None.

UpdtTabl v1.2 for DOS

Program Description

The UpdtTabl application provides a very fast and easy way to change or strip path information from a set of DDF's by modifying the DDF's directly using Btrieve calls.

The /M option was added specifically to modify certain DDF's which had used an invalid character (.) in every table name.

Platform and Package

DOS, DDF Utility & Management Package

Pricing

\$10 Shareware

Command Line Syntax and Help Screen

UPDTTABL Version 1.2: 03/16 (C) 1998-1999 Goldstar Software Inc.

Usage: UPDTTABL TableName [Pathname | /R | /M] [/P=Password]

```
This command changes the Data File Location within the DDF's.
Use "*" for TableName to process all Tables.
Use the /R option to remove all pathnames.
Use the /M option to modify table names to remove '.ABS'.
Use the /T option to test display all paths ONLY (DOES NOT WRITE).
Use the /D option to enable full debugging.
Use the /P= option to provide the database Master Password.
```

```
NOTE: SPECIFICATION OF TABLENAME NOT SUPPORTED in V1.x. SPECIFY "*"!
PLEASE CONTACT www.goldstar-sw.com FOR DETAILS ON V2.
```

Examples and Sample Usage

Removing all paths is the most common usage for this utility. This can be done with the command "UPDTTABL * /R".

As this will be modifying the DDF's directly, you should have a backup of the original DDF files before proceeding.

Other Information

UpdtTabl is part of the DDF Utility & Management Package.

A Win32 version is not yet available.

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

Version History

Version 1.2: First documented version

Known Problems

Specification of a single table name is not yet supported in this version.

VarCheck v1.1 for DOS

Program Description

Some developers use variable-length Btrieve data files to hold fixed-length data. This can be useful when expanding the data set in a program, but it can also cause problems in the areas of performance, stability, and the ability to add indices.

If the developer is using fixed-length records in a variable-length file, then the file can be easily converted to fixed length records to eliminate these problems. The VarCheck program verifies if all records are the same length or not.

Platform and Package

DOS; Btrieve Utilities, Resources & Tools

Pricing

\$10 Shareware

Command Line Syntax and Help Screen

```
VARCHECK Version 1.1: 10/24 (C)2001 Goldstar Software Inc.
```

```
ShareWare Version -- Contact Goldstar Software to Register
```

```
Usage:  VARCHeck Filename [/D]
```

```
        This command scans the Btrieve file for variable length records.  
        Use the /D option to enable DEBUG mode.
```

Examples and Sample Usage

The output below is from a run against a small data file:

```
VARCHECK Version 1.1: 10/24 (C)2001 Goldstar Software Inc.
```

```
ShareWare Version -- Contact Goldstar Software to Register
```

```
Scanning Data File custinfo.btr.  
Hold BOTH Shift Keys to Terminate...  
RecSize Started at 395  
Status 9 After 2 Records.
```

Note that in this case, there are no variable records, and all records are 395 bytes in length. If variable records were found, you'd see lines indicating the change in record length.

Other Information

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

A Win32 version is not yet available.

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

Version History

Version 1.1: First documented version

Known Problems

The largest record length supported is 21000 bytes. Fix: None.

VLoad v2.0 for DOS

Program Description

The VLoad application takes a view definition that was exported from the data dictionary by VSave and re-imports it back into a new data dictionary.

The current VLoad application is Scalable SQL based and will not work on a Pervasive.SQL 2000 database.

Platform and Package

DOS, DDF Utility & Management Package

Pricing

FREE Shareware

Command Line Syntax and Help Screen

VLOAD Version 2.0(2.0 Files): 09/19/94 Cimnet Systems, Inc.

Usage: VLOAD <FileSpec> ["/V<ViewName>["]] [/F]

This utility loads a description of the specified view into the Data Dictionary in the current working directory. The view may include joins, fields, lengths, sort keys, restrictions, and other information. The data is read from <FileSpec> and saved to <ViewName> (if specified). If <ViewName> is omitted, the view is restored to the original view name. The quotes are necessary only if <ViewName> includes spaces. Wildcards may be used for <Filename> to load multiple views. If the /F flag is used, invalid chars are converted to underscores.

Examples and Sample Usage

The command "VLOAD MYDATA.VEW" reads the MYDATA.VEW and recreates the DDF definition (in the DDFs in the current directory) from the information contained therein for the view stored in the file.

Other Information

VLoad is part of the DDF Utility & Management Package.

A Win32 version is not yet available.

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

Version History

Version 2.0: First documented version

Known Problems

This version works on Scalable SQL 3 and Scalable SQL 4 (Pervasive.SQL 7) engines only. No support for Pervasive.SQL 2000 exists at this time.

VSave v2.1 for DOS

Program Description

The VSave application takes a view definition from the data dictionary and dumps the information into a VEW file. This data can later be imported into another data dictionary by VLoad.

The current VSave application is Scalable SQL based and will not work on a Pervasive.SQL 2000 database.

Platform and Package

DOS, DDF Utility & Management Package

Pricing

FREE Shareware

Command Line Syntax and Help Screen

VSAVE Version 2.1(2.0 Files): 04/11 (C) 1997 Goldstar Software, Inc.

Usage: VSAVE ["<ViewName>"] [<FileName>]

This command saves a description of the specified view from the Data Dictionary in the current working directory. This view may include joins, fields, lengths, sort keys, restrictions, and other information. The data is written to <FileName> (if specified), or to ViewName.VEW. The quotes are necessary only if the view name includes spaces. If <ViewName> is *, EVERY VIEW is saved to the directory in <FileName>.

Examples and Sample Usage

The command "VSAVE MYDATA" reads the DDF definition of the MYDATA view and creates the MYDATA.VEW file with the definition information.

Other Information

VSave is part of the DDF Utility & Management Package.

A Win32 version is not yet available.

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

Version History

Version 2.1: First documented version

Known Problems

This version works on Scalable SQL 3 and Scalable SQL 4 (Pervasive.SQL 7) engines only. No support for Pervasive.SQL 2000 exists at this time.

VPrint v2.0 for DOS

Program Description

The VPrint application reads a view definition from the data dictionary via Scalable SQL calls (specifically, XQL) and dumps the information to stdout in a usable report format. It must be run with the SQL DOS Requestor loaded (SQLREQ), and the dictionary files must be in the current directory. There are numerous switch options to support different output formats.

The current VPrint application is Scalable SQL based and will not work on a Pervasive.SQL 2000 database.

Platform and Package

DOS, DDF Utility & Management Package

Pricing

FREE Shareware

Command Line Syntax and Help Screen

VPRINT Version 2.0: 09/19/94 Cimnet Systems, Inc.

Usage: VPRINT ["<ViewName>"] [/<OptionList>]

This utility prints a description of the specified view from the Data Dictionary in the current working directory. This view may include joins, fields, lengths, sort keys, restrictions, and other information. The quotes are necessary only if <ViewName> includes spaces. If <ViewName> is *, a report for EVERY VIEW will be produced. The option list may contain any of the following options:

- R - Display the Restriction Clause.
- J - Display the Join Information.
- C - Display Computed Field Information.
- S - Display the Current Sort Order.
- A - Display All of the Above.

N - Display View Names Only (Ignores All Other Flags).

Examples and Sample Usage

The *optionlist* flag allows you to customize the output of VPrint. Any number of options may be specified, and these options are cumulative. Allowable options are:

- R - Include information about any defined restrictions.
- J - Include information about any defined joins.
- C - Include information about any computed fields.
- S - Include information about any sort keys.
- A - Include all of the above information.
- N - Print view names only.

The command "VPRINT * -N" will simply display a list of all view names in the dictionary. The command "VPRINT * -A >VIEWS.TXT" will dump a printer-suitable report to the file VIEWS.TXT. Note that the printer must support 132 columns or more to print correctly.

Other Information

VPrint is part of the DDF Utility & Management Package.

A Win32 version is not yet available.

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

Version History

Version 2.0: First documented version

Known Problems

This version works on Scalable SQL 3 and Scalable SQL 4 (Pervasive.SQL 7) engines only. No support for Pervasive.SQL 2000 exists at this time.

VXRef v2.0 for DOS

Program Description

The VXRef application accepts a table name as input and scans the views in the local data dictionary via Scalable SQL calls (specifically, XQL) looking for views which use fields from that table. If found, a line is displayed in the report to stdout. The switch options support different output formats.

The current VXRef application is Scalable SQL based and will not work on a Pervasive.SQL 2000 database.

Platform and Package

DOS, DDF Utility & Management Package

Pricing

FREE Shareware

Command Line Syntax and Help Screen

VXREF Version 2.0: 09/19/94 Cimnet Systems, Inc.

Usage: VXREF ["<FileName>"] [/C] [/B] [/D]

This utility prints a cross reference listing of views (in the current working directory) which include fields from the given file. The quotes are necessary if <FileName> includes spaces.

If <FileName> is *, a report for EVERY FILE will be produced.
The /C(ompact Report) Option displays only file names and view names.
The /B(rief Report) Option displays only view names.
The /D(ebug) Option displays every view name as it is searched.
You may chain the output to GREP to find programs which use a view.

Examples and Sample Usage

The options affect how the final display will look. A Compact report (/C) includes only the table names and view names, while the Brief report (/B) provides viewnames only.

Other Information

VXRef is part of the DDF Utility & Management Package.

A Win32 version is not yet available.

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

Version History

Version 2.0: First documented version

Known Problems

This version works on Scalable SQL 3 and Scalable SQL 4 (Pervasive.SQL 7) engines only. No support for Pervasive.SQL 2000 exists at this time.

WatchIt v1.0 for Win32

Program Description	The WatchIt program retrieves a provided file's attributes and sends them to stdout in comma-delimited format.
Platform and Package	Win32 Console; Goldstar Utility & Management Package
Pricing	\$25 Shareware
Command Line Syntax and Help Screen	<pre>WatchIt v1.0 (C)2001 07/24 Goldstar Software Inc. Usage: WATCHIT <filename> This program reads the file's attributes and dumps (to stdout) the following fields in a comma-delimited format: filename, size, created, updated, accessed, currenttime The output can be piped to a file for a running analysis of file growth.</pre>
Examples and Sample Usage	<p>The following command will retrieve information about the size of a file:</p> <pre>WATCHIT CUSTOMER.BTR >>CUSTOMER.TXT</pre> <p>This can be easily scheduled (via any Scheduling package) to collect data once per day, per week, etc. Once the data is collected, it can be analyzed with a tool like Excel or Access to estimate file growth.</p>
Other Information	<p>WatchIt is part of the Goldstar Utility & Management Package.</p> <p>For more information on these utilities contact us at www.goldstarsoftware.com</p>
Version History	Version 1.0: First documented version
Known Problems	This version takes a filename only. Filespecs will return only the first match.

Template

Program Description**Platform and Package**

Pricing \$25 Shareware

**Command Line Syntax
and Help Screen****Examples and
Sample Usage****Other Information**

Version History Version : First documented version

Known Problems None.

