

BtrvInfo v1.05 for Win32

Program Description

BtrvInfo is a tool designed for script builders (e.g. Batch files, command files, and windows scripting) that reads Btrieve file statistics from a file (just like BUTIL – STAT), but in addition to reporting the requested data to the screen, it also returns the requested value as the programs output value, enabling users to simply access the ERRORLEVEL environment variable and make decisions based on that.

This opens up the entire world of scripting to Btrieve administration. It can be used to intelligently monitor record counts in files, to examine files for version number or system data and rebuild the files only if needed, to scan entire directories for variable records or compressed records, and much more.

Platform and Package

Win32 Console; Goldstar Utility & Management Package; GSLic

Pricing

\$100 Single-User, \$250 Site License

Command Line Syntax and Help Screen

BtrvInfo Version 1.05: 09/25 (C)2024 Goldstar Software Inc.

```
Usage: BTRVINFO filename [/option] [/O=OwnerName]
This command STATs the Btrieve file and returns the requested data.
/O= Specify Btrieve Owner Name.
Include ONE of the following values to be returned.
/VE: File Version.
/PS: Page Size.
/PR: Preallocation Flag.
/KO: Key Only Flag.
/EX: Number of Extents.
/RC: Record Count.
/RL: Record Length.
/CR: Compressed Records Flag.
/CP: Compressed Pages Flag.
/VR: Variable Records Flag.
/BT: Blank Truncation Flag.
/FT: Free Space Threshold.
/VS: VAT Support Flag.
/UD: Unused Duplicate Keys.
/IB: Index Balancing Flag.
/SY: System Data Flag.
/S2: SysData2 Flag.
/NK: Number of Keys.
/NS: Number of Segments.
/SK#: Segment # Key Number.
/SS#: Segment # Segment Number.
/SP#: Segment # Position.
/SL#: Segment # Length.
/ST#: Segment # Data Type.
/SV#: Segment # Unique Values.
/SN#: Segment # Null Flag.
/SA#: Segment # ACS Number.
/SF#: Segment # Key Flags Value.
/SM#: Segment # Modifiable Key Flag.
/SU#: Segment # Unique Key Flag.
/SR#: Segment # Repeating-Dup Flag.
/SD#: Segment # Descending Key Flag.
/SC#: Segment # Case Key Flag.
/SO#: Segment # Null Key Flag.
```

If you need multiple values, use the LISTSTAT tool instead.

Examples and Sample Usage

BtrvInfo should be called with just ONE output value. If multiple parameters are provided, only the first is actually used.

The usage is always the same, so we'll only provide two examples here. The first example shows how to extract the version information from a file using the /VE option.

```
C:\>btrvinfo c:\pvsw\demodata\person.mkd /ve
```

```
BtrvInfo Version 1.05: 09/25 (C)2024 Goldstar Software Inc.  
Btrieve Information for c:\pvsw\demodata\person.mkd  
File Version: 80
```

The next example shows how to extract the Position value for segment number 1.

```
C:\>btrvinfo c:\pvsw\demodata\person.mkd /sp1  
BtrvInfo Version 1.05: 09/25 (C)2024 Goldstar Software Inc.  
Btrieve Information for c:\pvsw\demodata\person.mkd  
Position for Segment 1: 26
```

Note that the segments are listed in their order of appearance, with the first one being Segment 0. The segment number provided here is NOT the same as the Key/Segment number (which starts at 1 for each key), but rather the individual key segments returned from BUTIL. This makes it possible to extract all STAT information by first retrieving the number of segments, and then retrieving the values for each segment.

BtrvInfo was designed with scripting in mind. Obviously, retrieving multiple values requires multiple calls. If you are looking to display STAT information from a large set of files, then perhaps ListStat is a better option for you. An example of a DOS Batch file script to check file versions would be:

CheckVer.BAT:

```
@Echo off  
for %%X in (%1) do Call CallBI %%X
```

CallBI.BAT

```
BtrvInfo %1 /VE 1>nul 2>nul  
if %ERRORLEVEL% LSS 0 Goto BadFile  
if %ERRORLEVEL% LSS 70 goto OldFile  
goto EndIt  
:OldFile  
Echo File %1 needs to be rebuilt! Version is %ERRORLEVEL%  
goto EndIt  
:BadFile  
Echo File %1 is inaccessible: Status %ERRORLEVEL%  
goto EndIt  
:EndIt
```

The output results from this script could look like this:

```
C:\>checkver c:\pvsw\demodata\*.mkd  
File c:\pvsw\demodata\ADTEXT.MKD needs to be rebuilt! Version is 40  
File c:\pvsw\demodata\BDU_TABLE.MKD needs to be rebuilt! Version is 40  
File c:\pvsw\demodata\plk.mkd is inaccessible: Status -73  
File c:\pvsw\demodata\people.mkd is inaccessible: Status -73  
File c:\pvsw\demodata\PERSON5X512.MKD needs to be rebuilt! Version is 40  
File c:\pvsw\demodata\PERSON8.MKD needs to be rebuilt! Version is 60  
File c:\pvsw\demodata\TESTINDEX.MKD needs to be rebuilt! Version is 40
```

Of course, the batch file could just as easily call RBLDCLI to rebuild the old files automatically. Quite powerful, indeed!

Other Information

BtrvInfo is part of the Btrieve Utilities, Resources, and Tools package.

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

Version History

Version 1.0: First released version.

Version 1.01: Updated licensing code.

Version 1.02: Updated to use the BTRVEX function call.

Version 1.03: Added 32-byte owner name support.

Version 1.04: Added support for SysData2.

Version 1.05: Added support for hexadecimal owner names.

Known Problems

While the PSQL v13 engine supports record counts (and unique values) over 4G, the return code supported in Windows is still an integer value. When the return code would exceed 4G, -1 will be returned instead, even though the proper data value will be displayed on the screen.