

PPLookup v2.31 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 Console; Btrieve Advanced Recovery ToolKit; GSLic

Pricing

Available as part of the BART ToolKit Only.

Command Line Syntax and Help Screen

PPLookup Version 2.31: 07/11 (C)2024 Goldstar Software Inc.
Using Low-Level File I/O Version 2.42.15

Usage: PLOOKUP SrcFile Position [/P|/O] [/I] [/U]

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.
Use /U to open files in UNPROTECTED mode.

Examples and Sample Usage

An example run of this program is shown below.

```
C:\>pplookup person.mkd 0x1B
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Searching for Physical Page 0x0000001b...
File Version is 800.
PAT Ptr to 0x0001b000 on PAT Pair 1, Offset 0x004a (Logical Page 0x0000000a).
```

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

Adding the /O option will look not for a specific page number, but for a specific offset to the start of a page. The system will calculate the physical page number based on the offset provided, and then look for that page number in the PAT. Again, this value can be provided in decimal or as a hex value with a "0x" prefix.

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.

Adding the /U flag will open the files in unprotected (shared) mode, so that you can look up data in files that are open by other applications, such as the hex editors or other tools. Note that accessing files in this mode that are active by the PSQL engine is considered a bad thing.

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.

Version 2.1: Display Physical Page Number when asked to search by Offset.

Version 2.2: Added GSLic capability.

Version 2.21: Fixed bug in finding pages in 9.5 format file.

Version 2.22: Updated licensing code.

Version 2.23: Added Unprotected Mode option.

Version 2.30: Added support for v13 file format.

Version 2.31: Improved support for v13/v16 file formats.

Known Problems

Page Compression and encrypted files are not supported at this time.