UPXDUMP User Manual

Contents

Chapter 1: Introduction

In tradition of our products released earlier UPXDUMP is a small tool serving only one specific purpose. UPXDUMP is a replacement for the undocumented `--file-info` option in the free, high-performance executable packer UPX.

The main reason to write UPXDUMP was to show a file's compression method in human-readable manner.

And where UPX fails UPXDUMP can also handle malformed executables created by a broken DOS port of UPX 2.93.

UPXDUMP comes in two flavours:

- A tiny 16-bit version (file `dos16\upxdump.exe`) suitable for computer systems prior to the 80386 microprocessor.
- For newer systems there is a 32-bit version (file `dos32\upxdump.exe`), that additionally supports long file names.

Otherwise there are no functional differences between the two.

Chapter 2: Licence

Chapter 3: System requirements

3.1 For the 16-bit version

- Intel 8086/88 microprocessor (or compatibles)
- Microsoft MS-DOS 3.0 (or compatibles)

3.2 For the 32-bit version

- Intel 80386 microprocessor (or compatibles)
- Microsoft MS-DOS 3.0 (or compatibles)
- 32-bit DPMI server (e.g. CWSDPMI)
- optional: LFN API (e.g. DOSLFN) for long file name support

Chapter 4: Installation

Decompress the archive with, e.g., Info-ZIP UnZip to an empty directory.

Chapter 5: Usage

UPXDUMP is a command-line application. It only accepts one option passed to it. This must be either a relative or absolute file name or /?, -? to print the very short help screen.

5.1 Sample output

5.1.1 For the 16-bit version

Running UPXDUMP in directory C:\TEMP\UPX examing file upx.ttp from package upx303a.zip.

```
C:\TEMP\UPX>upxdump atari\upx.ttp
Analyzing `C:\TEMP\UPX\ATARI\UPX.TTP'...

File size:                          354320 bytes
Data format version:                    13
Executable format:                     129 ("atari/tos")
Compression method:                      9 ("nrv2e/8")
Compression level:                      10
Uncompressed data length:          1415884 bytes
Compressed data length:             353605 bytes
Original file size:                1415888 bytes
Filter:                                0/0
```

5.1.2 For the 32-bit version

Running UPXDUMP in directory C:\TEMP\UPX examing file upx.exe from package upx303w.zip. Please notice long file name c:\Program Files\UPX\upx.exe.

```
C:\TEMP\UPX>upxdump "c:\program files\upx\upx.exe"
Analyzing `C:\program files\upx\upx.exe'...

File size:                          271872 bytes
Data format version:                    13
Executable format:                       9 ("win32/pe")
Compression method:                     14 ("lzma")
Compression level:                      10
Uncompressed data length:          1337009 bytes
Compressed data length:             266671 bytes
Original file size:                1297408 bytes
Filter:                                38/18
```

Chapter 6: Technical support

Please visit `http://www.bttr-software.de/` for help or updates.

Chapter 7: Version history

7.1 2009-04-19

- first public release

Chapter 8: Trivia

UPXDUMP has been created using Turbo Pascal 5.5 to 7.01, Free Pascal 2.2.4, aPACK 0.99b, UPX 3.03, Notepad2 3.0.20, and Halibut r8112.

Appendix A: aPACK advertisement

This product uses the aPACK executable compressor, Copyright (C) 1997-2000 by Joergen Ibsen, All Rights Reserved. For more information, please visit: `http://www.ibsensoftware.com/`