PackIt

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COLLABORATORS

	TITLE : PackIt		
ACTION	*NAME*	*DATE*	*SIGNATURE*
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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

PackIt

1.1   PackIt v1.19 documentation

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                          PackIt v1.19
         Shell only Data file PowerPacker cruncher/decruncher.

                  PackIt and this documentation are
            Copyright © 1994-95 by Michael J. Barsoom M.D..
```

1.2   Copyright & Disclaimer

```
                       -+- License  -+-
```

PackIt may be freely distributed as long as no charge is made other than to
cover time and copying costs. If it is to be distributed via floppy disk,
this cost should be no higher than $3.00 (three) dollars US. If distribution
is via CDRom, the total cost should be no more than $25.00 (twenty-five)
dollars US.

You may not copy and/or distribute this program without the accompanying
documentation unless you get permission from the author to do so.

Fred Fish and Walnut Creek already have my permission to include this program
on their CDRom collections. Nico Francois has my permission to include PackIt
with any of his programs.

You may not disassemble, decompile, re-source or otherwise reverse engineer
the program. If you wish to incorporate parts of this program into other
programs, write to the author to ask for permission.

Finally if you wish to include PackIt on a disk magazine you are REQUIRED to
get the author's permission FIRST. Usually this will require you to just send
me a copy of the issue which contains PackIt free of charge.

                         -+- Disclaimer -+-

This product is sold "as is" without representation or warranty of any kind,
either expressed or implied. The user assumes all risks and responsibilities
related to its use.

1.3 Features

PackIt is yet another shell only Data file PowerPacker cruncher/decruncher.

Features:
    o One program for crunching and decrunching.
    o Will not crunch executables or icons unless told to do so.
    o Will automatically determine if a file is PowerPacked or not and then
      either unpack it or pack it.
    o Allows use of wildcards to crunch/decrunch whole directories.
    o Files can be encrypted, and passwords can be entered on the command
      line or via a requester.
    o You can have the '.pp' suffix added or removed automatically when
      crunching/decrunching
    o Default options can be stored in an environment variable
    o When crunching/decrunching a directory which recursion on, PackIt will
      maintain the directory structure in the destination directory
    o Version compiled for '030 and better processors.
    o Full locale support, you can use PackIt in your prefered language

1.4 Requirements

PackIt does not require much, you just need to have the following:

 1) Workbench 2.0+
 2) PowerPacker library (© Nico Francois)

1.5 Installation

Automatic installation: Just double click on the install icon. Of cource you
need the Amiga Installer program in your command path.

Manual installation:
 1) Make sure you have a copy of PowerPacker library v36+ in libs.
 2) Copy the approprate PackIt type in any directory you want, I recommend
    C:

3) When a catalog becomes available, just copy the appropriate catalog to
   Catalog:<language>

1.6 Usage

```
PackIt (for extended usage)

 PackIt v1.19  PowerPacker Data Cruncher/Decruncher
 Copyright © 1994-95 by Michael J. Barsoom M.D. (Giftware)

Usage: PackIt <source> [<destination>] [Efficiency 0-4] [Buffer 0-2]
               [<PassWord>] [Crypt] [Executable] [Crunch] [DeCrunch]
               [ReCrunch] [All] [Suffix] [Icon]
 Efficiency: 0 = Fast, 1 = Mediocre, 2 = Good, 3 = Very Good, 4 = Best (def)
 Buffer    : 0 = Large (def), 1 = Medium, 2 = Small
 Password  : Password to use for encrypting/decrypting.
 Crypt     : Encrypt file.
 Executable: Crunch executables (as data files).
 Crunch    : Crunch files only.
 Decrunch  : DeCrunch files only.
 ReCrunch  : Decrunch file and ReCrunch it with new options
 All       : Enter directories recursively (only with wildcards)
 Suffix    : Add / remove .pp as appropriate
 Icon      : Also crunch .info files

 Hit ^C to abort.
 If no destination is given source will be overwritten
```

1.7 Source

Files, directory, or pattern of files to crunch or decrunch.

To crunch/decrunch all files in a directory use PackIt #?

To make sure all the files in a directory are crunched use, PackIt #? crunch
This will prevent PackIt from decrunching files that are already packed.

If you need to use the wildcard ? use (?) instead, this is required because ?
is used for the built in help.

If crunching a group of files, you may need to hit ^C twice, once to abort
crunching, and once to quit.

1.8 Destination

The destination file or directory. This is optional, if not give the source
files will be overwritten, unless you specify Suffix in which case the files
will be renamed.

The destination can either be a file or a dir. If you specify a dir as the

destination, the source file will be saved (either crunched or uncrunched) with the same name in the destination. When using wildcard, if you give a destination it MUST be a directory.

You can use "" to signify the current directory, just like AmigaDos' copy command.

1.9 Efficiency

This options sets the efficiency with which the file should be packed. Best gives you the smallest files, but requires the most time for crunching the file.

The default mode is Best. Please see Defaults to change the default mode.

1.10 Buffer

This options lets you set the size of the buffer which should be allocated in order to crunch and decrunch files. The buffer sizes are as follows

```
 Large:    from 196K (fast) to 256K (best)
 Medium:   from   5K (fast) to  65K (best)
 Small:    from   3K (fast) to  33K (best)
```

The default mode is Large. Please see Defaults to change the default mode.

1.11 PassWord

This options lets you specify the password to encrypt a file with, or the password needed to decrunch an encrypted file. If you specify a password PackIt will assume you want to encrypt the file even if you do not specify crypt.

Note: Passwords are limited to 16 characters.

There is no default. Please see Defaults to use a default password.

1.12 Crypt

This options tells PackIt to encrypt the files it packs. You can specify the your password using the option password. If no password on the command line is give you will be prompted with a string requester for the password.

There is no default. Please see Defaults to change the default mode.

1.13 Executable

By default PackIt will not crunch executables. If you specify this switch, executables will also be crunched, however they will be crunched as PowerPacker data files. If you want to crunch executables as command files you need to buy PowerPacker.

Note: If you are using PPLoadSeg, then you will be able to run the executables crunched with PackIt.

This option is off by default. Please see Defaults to change the default mode.

1.14 Crunch

This option tells PackIt to only crunch files. If a file is already crunched it will not be decrunched.

This option is off by default. Please see Defaults to change the default mode.

1.15 Decrunch

This option tells PackIt to only decrunch files. If a file is already not crunched it will be left alone.

This option is off by default. Please see Defaults to change the default mode.

1.16 Recrunch

This option tells PackIt to recrunch file that are already crunched, rather than decrunching them. This option is useful to change a password, or the crunch efficiency.

This option is off by default. Please see Defaults to change the default mode.

1.17 All

This option tells PackIt to enter directories recursivly and act on all the files. If you specify this option, and give a destination PackIt will preserve the directory stucture, creating all needed directories/subdirectories.

This option is off by default. Please see Defaults to change the default mode.

1.18 Suffix

This option will cause PackIt to add .pp do all files it crunches and remove
.pp from files it decrunches.

This switch will allways add/ remmove the .pp suffix from files as they are
crunched/ decrunched. This will occur even if you give a destination. For
example 'PackIt PackIt.doc Docs:PackIt.doc suffix' will pack the file
PackIt.doc and save the packed file as Docs:PackIt.doc.pp.

This option is off by default. Please see Defaults to change the default mode.

1.19 Icon

By default PackIt will not crunch .info files. If for some reason you want to
crunch .info files you need to specify this option

This option is off by default. Please see Defaults to change the default mode.

1.20 Defaults

Starting with v1.13 you are no longer stuck with the default that I have
chosen. You can now specify your own default by setting the environment
variable PackIt.

The template for ENV:PackIt is
  Eff=Efficiency/K/N,Buff=Buffer/K/N,PW=PassWord/K,Crypt/S,Exe=Executable/S,
  C=Crunch/S,D=Decrunch/S,RC=ReCrunch/S,All/S,PP=Suffix/S,Icon/S"

Just set it as you want the default values to be.

Now you can also use the command line to toggle the values. If you specify an
option in the environment variable and again on the command line it will be
turned off. In other words if an option is specified on both the command line
and the environment variable it will be as if you did not specify the option;
but if and option is specified in EITHER the envronment variable OR the
command line it will be activated.

For example if you always want PackIt to append the .pp suffix, just set this
option in the environment variable. Now if you do not want the .pp suffix
specify the option on the command line and .pp will not be appended.

1.21 Locale

Starting with version 1.18 PackIt has full locale support when used with
WorkBench v2.1 or better.

At this time PackItPrefs is not localized, I may add it in a future version.

However I only know english so I was not able to create any catalogs for
PackIt, english is the default language. I have encluded the full catcomp
source for you to create your own catalogs. If you do translate the catalog
could you send me the new .ct file so that I can enclude the catalog in future
releases. Please see Author's Address for my address.

Thanks to the following for translating the cataloge:

none yet :-)

1.22 Address

you can reach me at:

(until June 10 1995)
   Michael Barsoom
   5524 Pine Street
   Omaha NE 68106
   USA

(after June 15 1995)
   Michael Barsoom
   40 Scott Drive
   Bloomfield CT 06002
   USA

Internet: mbars@bluejay.creighton.edu

1.23 Giftware

                         -+- Registering -+-

PackIt is being released under the concept of 'GiftWare'. This does not mean
that it is free. If you use PackIt on regular basis you are required to send
the author what you feel is adequate as 'payment' for PackIt. For example,
you could send me cash in an amount you feel is appropriate for PackIt. Also
if you have written your own program you could send me a fully registered
version of it.

See Author Info, for my address.

1.24 History

Version 1.19   (05.05.95 09:16:42)

    - Added my new address to docs

    - xPackIt FOO:file file, was overwriting the original file rather

than saving it in the current directory (fixed)

– Uses Utility library functions now

– Changed internal storing to file names to use a exec list

Version 1.18   (28.06.94 08:46:04)

– Using option All without a destination dir, would cause an
  Enforcer hit (fixed)

– Added locale

Version 1.17   (25.06.94 17:34:52)

– If no destination was given, files would be saved in current
  directory rather than overwritting the source file. (fixed)

Version 1.16   (09.06.94 05:21:57)

– Now reports decrunched length

– Now does not loose directory structure when using directory
  recursion.

– Uses memory pools for better memory handling.

– Lowered stack usage.

Version 1.15   (05.05.94 06:39:32)

– Combined GetDestination and HandleSuffix into one function.

– Couldn't crunch executables unless both icon and exe
  flags were set (fixed)

– No longer linked to startard startup code, reduced
  executable size by approx 1000 bytes

Version 1.14   (28.04.94 18:12:38)

– Some more internal changes

- Added some more informative error messages

- Removed some code redundancies make executable shorter

- Password was not working correctly
  with the environment variable (fixed)

- If Password was specified in ENV:PackIt and again on the
  command line, it would be canceled out rather than using
  the one specified on the command line (fixed)

```
------------------------------------------------------------
Version 1.13                             (25.04.94 17:15:47)
------------------------------------------------------------
```

- Now default options stored in ENV:PackIt and
  specifying option of command line will toggle it.

- Internal change

```
------------------------------------------------------------
Version 1.12                             (17.03.94 17:15:17)
------------------------------------------------------------
```

- PackIt will now not crunch info files, unless you specify
  the option Icon (Suggested by Peter Sand)

- Removed some unneeded code

- Cursor is now hidden while working.

- Switched to RCS version numbering.

- Uses PrintFault() to report errors with parsing commandline.

```
------------------------------------------------------------
Version 1.11                             (21.02.94 08:16:28)
------------------------------------------------------------
```

- Added Suffix switch. (Suggested by Roger Westerlund)

```
------------------------------------------------------------
Version 1.10                             (21.02.94 08:16:03)
------------------------------------------------------------
```

- PackIt now supports wild card and directory recursion
  for crunching and decrunching.

```
------------------------------------------------------------
Version 1.5                              (21.02.94 08:15:28)
------------------------------------------------------------
```

      - PackIt was not returning all allocated memory back,
        forgot to call FreeArgs() and missed a call
        to FreeDosObject() (fixed)

      - PackIt was reporting some files as executable
        when they were not (fixed)

    Version 1.4   (21.02.94 08:14:31)

      - Password can now be specified from shell with
        Password= for decrunching.

    Version 1.3   (21.02.94 08:14:15)

      - Added recrunch flag.

    Version 1.2   (21.02.94 08:14:01)

      - Added Password shell option for encrypting

    Version 1.1   (21.02.94 08:13:45)

      - Removed ANSI colors so WB 3.0 shell scrolling would not be
        slowed down.

      - Added crunch and decrunch only flags.

    Version 1.0   (21.02.94 08:12:19)

        --- Initial release ---

1.25 xPackIt

If you are someone who prefers using the xpk crunch/decrunch libraries, try
xPackIt. It sports most of the features of PackIt, but uses the xpk routines
rather than the PowerPacker library.

1.26 Index

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