PackIt v1.18 documentation

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PackIt v1.18 documentation

1.1   PackIt v1.18 documentation

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                                       PackIt v1.18
            Shell only Data file PowerPacker cruncher/decruncher.

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            Copyright & Disclaimer
             --  Please read this first.

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1.2 Copyright & Disclaimer

                    PackIt, PackItPrefs and this documentation are Copyright © 1994 by ←
                         Michael
Barsoom.

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fully registered version of your program and keep all the files included in
this archive. Nico Francois has exclusive permission to include PackIt
with any of his programs.

Finally if you wish to include PackIt and PackItPrefs 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 with PackIt and PackItPrefs
free of charge.

Please see
                    Address
                     for how to you can reach me.

                         -+- Disclaimer -+-

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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 icon 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 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.
NEW o Full locale support, you can use PackIt in your prefered language

Thanks:
To my loving wife Barbara.
To Nico Francois for PowerPacker library.

1.4 requirements

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

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

Also PackIt must be run from shell, if you run it from WB it will just
exit.

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 v1.18 PowerPacker Data Cruncher/Decruncher
Copyright © 1994 by Michael J. Barsoom (Shareware)

Usage: PackIt <
              source
              > [<

```
                    destination
                    >] [Efficiency 0-4] [Buffer 0-2]
                  [<PassWord>] [Crypt] [Executable] [Crunch] [DeCrunch]
                  [ReCrunch] [All] [Suffix] [Icon]
With

                  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.

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.

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.

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 need 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

Crunch the file even if it is an executable.

Note: You will not be able to run the crunched file unless you are using
PPLoadSeg. If you want to crunch executables as command files you need to
buy PowerPacker

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 only recrunch files if they are ←
                       already crunched.
This option is useful to change a password, or a files 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 all deep directories all act on ←
                       all the files.
If you specify this option, and give a destination PackIt will preserve the
directory stucture, creating all needed directories.

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

                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.

You can also set the defaults by using
                PackItPrefs

1.21   prefs

                                    PackIt Preferences v1.0

              Features
               -- What exactly does PackIt Prefs do?

              Requirements
               -- What you need to run PackIt Prefs

              Usage
               -- How do I use PackIt Prefs

              History
               -- What has changed

1.22   prefs features

The prefs editor has all of the following features:
  o Allows you to use set you default environment for PackIt using a very
    simple to use GUI
  o Allows you to crunch and decrunch files, using an appwindow or
    filerequesters to load and save the files.
  o Will not crunch executables or icon 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 Files can be encrypted.
  o You can have the '.pp' suffix added or removed when
    crunching/decrunching

However these feature are not available in the prefs editor, but are available
in PackIt:

  o Full locale support.   This may be added latter :-)
  o The prefs editor can only crunch/decrunch one file at a time, if you
    need to crunch an entire directory you need to use PackIt.

1.23   prefs requirements

                    In order to use PackIt Preferences you need to following:

1) Workbench 2.0+
2) PowerPacker library (© Nico Francois)
3) ReqTools library (© Nico Francois)
4)
                    Magic User Interface
                    Only PowerPacker library is included with this archive the other ←
                       libraries
can be found on the Fred Fish disks or in the same file archive that you
found this program.

1.24   prefs usage

                    The prefs editor is very easy to use. There are two pages, one ←
                       for
crunching/decrunching and one for setting the prefs for PackIt.

1) The 'Main' page contains several lines which tell you what PackIt prefs
   is doing right now. On the bottom there are three buttons. They are
   self explanitory enough that I will not insult you by explaining them.

   Just a note: you can also load files by dropping them on the appwindow.

2) The 'Preferences' page is also self explanitory. Just set the
   environment as you want it and click save or use. The following is to
   correlate the prefs editor gadgets with PackIt options:

   Efficiency cycle gadget
            Eff=Efficiency
               Buffer cycle gadget
            Buff=Buffer
                                                  {
            C=Crunch
               Mode cycle gadget   {
            D=Decrunch
                                                  {
            RC=ReCrunch
               Note: mode normal is the same as not specifing crunch, decrunch ←
                    '
        nor recrunch

   Password string gadget
            PW=PassWord
               EnCrypt checkmark gadget
            Crypt
               Executable checkmark gadget
            Exe=Executable
               All Files checkmark gadget
            All
               Suffix checkmark gadget

```
                    PP=Suffix
                       Crunch Icons checkmark gadget
                    Icon
                       Note:  All the options affect the built in cruncher/decrunch in ←
                              the prefs
       program except "All Files" this one affects only PackIt not PackIt Prefs
```

1.25   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 :-)

1.26   address

you can reach me at:

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Omaha NE 68106
USA

Internet: mbars@bluejay.creighton.edu
Fidonet: Mike Barsoom @ 1:285/11.9
AmigaNet: Mike Barsoom @ 40:200/10.9

1.27   shareware

```
                    PLEASE SUPPORT SHAREWARE!
```

PackIt is shareware, however unlike most shareware authors I have not
crippled it any way. You can use all of PackIt's functions without any
restrictions or anoying requesters. Please, if you use PackIt on a regular
basis, concider sending me the registration fee. Currently this amount is
$5.00 US.

Please see
                    Address
                      for how to you can reach me and where to send in your
registration fee.

1.28 History

                    v37.100 (v1.0)

v37.101 (v1.1) Not Released
  o Added crunch and decrunch only flags.
  o Removed ANSI colors so WB 3.0 shell scrolling would not be slowed down.

v37.102 (v1.2) Not Released
  o Added Password shell option for encrypting

v37.103 (v1.3)
  o Added recrunch flag.

v37.104 (v1.4)
  o Password can now be specified from shell with PassWord= for decrunching.

v37.105 (v1.5) Not Released
  o PackIt was reporting some files as executable when they were not (fixed)
  o PackIt was not returning all allocated memory back, forgot to call
    FreeArgs() and missed a call to FreeDosObject() (fixed)

v37.110 (v1.10)
  o PackIt now supports wild card and directory recursion for crunching and
    decrunching.

v37.111 (v1.11)
  o Added Suffix switch. (Suggested by Roger Westerlund)

v1.12   (v37.112)
  o Uses PrintFault() to report errors.
  o Switched to RCS version numbering. Now the version is reported without
    the 37 prefix. For example v37.112 is now v1.12, as so forth.
  o Removed much unneeded code.
  o Cursor is now hidden while PackIt is working
  o PackIt will now not crunch info files, unless you specify the option
    Icon (Suggested by Peter Sandén)

v1.13   (v37.113)
  o Small internal change in error handling
  o Default options can now be stored in ENV:PackIt See Defaults above.

v1.14
  o Specifying PassWord in ENV:PackIt did not work (fixed)
  o Removed some redundencies from the code, saving a few bytes.
  o Added some more error checking.

v1.15

   o You had to specify the options icon and exe in order to pack and
     executable (fixed)
   o Removed yet some more redundencies from the code, executables are
     now shorter.
   o Some other misc. internal changes.

v1.16
   o Lowered stack usage
   o No longer linked to SAS C startup code, reduced executable size by
     approx 2000k
   o Uses memory pools for better memory handling
   o Now reports compilation date in the brag lines
   o Now reports decrunched length
   o Now when crunching or decrunching a dir with directory recursion on
     to another directory, directory structure will be copied rather than
     placing all the files in the destination directory.
   o Some other cosmetic changes

v1.17
   o With v1.16 a bug was created that caused PackIt to crunch files into
     the current directory rather than overwritting the source when no
     destination was given (fixed)

v1.18
   o Finally PackIt is completely
             localized
            , now you can run PackIt in your
     prefered language.
   o Enforcer hit when using option ALL without a destination directory (fixed)

v1.18a
   o No changes to PackIt, now includes preference editor 'PackItPrefs'.

1.29 prefs history

v1.0
   o Initial release

1.30 todo

The following are some ideas I still have for PackIt, many of them will
depend on the response I get:

   o Allow the use of a file requester to pick files and/or destination
   o Add support for xpk crunching and decrunch

   o Any good ideas you may have :-)

1.31 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.

1.32   mui

                            This application uses

                         MUI - MagicUserInterface

                      (c) Copyright 1993 by Stefan Stuntz

MUI is a system to generate and maintain graphical user interfaces. With
the aid of a preferences program, the user of an application has the
ability to customize the outfit according to his personal taste.

MUI is distributed as shareware. To obtain a complete package containing
lots of examples and more information about registration please look for
a file called "muiXX.lha" (XX means the latest version number) on your
local bulletin boards or on public domain disks.

                 If you want to register directly, feel free to send

                            DM 20.- or US$ 15.-

                                     to

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