PPMC.hyper

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	TITLE : PPMC.hyper		
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Chapter 1

PPMC.hyper

1.1 PPMC documentation

```
PPMC 1.2b TUTORIAL

        The Powerpacker Mini Clone
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  @{ " Shell usage     " link shell      }      CLI/Shell syntax
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  @{ " Author          " link author     }      Who wrote it ?
  @{ " Acknowledgments " link credits    }      Thanks..


  Both this program and its source are freely distributable,
  but remain Copyright (c) REELSOFT.
```

1.2 Introduction

```
                PPMC is powerpacker.library meeting gadtools.library.
  It's a utility, useful for packing and unpacking text and data files.
  Unlike the original Powerpacker, PPMC won't insert a decrunch header
  in the packed file, so it would be useless to crunch an executable file
  (except for an archival purpose)

  PPMC works under 2.0(V37), 2.1(V38) and 3.0(V39) systems
  and can be invoked either from the
                Shell
                or from the
                Workbench
                .
```

1.3   Installation

```
Installation under OS 2.0 :
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
PPMC obviously requires the powerpacker.library.
That is the only library to install, in order to use the Shell interface.
As for the Intuition interface, the reqtools.library is needed too.

The installation program allows you first of all to compare the version
number of the provided libraries with those already installed in your
system.
It will then update your Libs: assignement with the libraries you had
previously checked.

Note :
~~~~~~
- Pressing the Esc key will quit the program.
```

1.4   Installation

```
Installation under OS 2.1 & OS 3.0 :
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
To execute the installation script, double-click on your language icon.

Notes :
~~~~~~~
- You will need Commodore's Installer program in your C: assignement.
- I'm sorry if your native language isn't provided.
  Feel free to do the translation and don't forget to send me a copy
  of the '.ct' file...
```

1.5   Usage from Shell

```
                If you wish to use an Intuition+GadTools interface, just type ' ←
                PPMC'
with no argument.
(skip to the 'Usage from
                Workbench
              ' chapter for more details)

You may otherwise be interested in a CLI-only interface.
In that case, type 'PPMC ?' to display the template.

Syntax :
~~~~~~~~
PPMC FROM <source> TO <destination>
[EFFECT] {1|2|3|4|5} [BUFFER] {1|2|3} [DECRUNCHING] {1|2|3|4|5}
[ENCRYPT] [FORCE] [QUIET] [VER] [HELP]

Template :
~~~~~~~~~~
PPMC
```

```
                FROM
               /A,
                TO
               /K,
  EFF=
                EFFICIENCY
               /K/N,BUF=
                BUFFER
               /K/N,DEC=
                DECRUNCHING
               /K/N,

                ENCRYPT
               /S,
                FORCE
               /S,
                QUIET
               /S,
                VER
               /S,
                HELP
               /S


                Examples

                Miscellaneous
```

1.6 FROM

FROM : this is the path and name of the file to be crunched.

1.7 TO

TO :   this is the path and name of the destination file.

If this argument is omitted, the destination file name would be equal to :
– the source name plus the '.pp' extension if packing.
– the source name minus the '.pp' extension if unpacking.
  (Be careful: if the source file has no '.pp' extension,
  it will be overwritten !)

1.8 EFFICIENCY

EFFICIENCY : the packing efficiency

   1 = FAST
   2 = MEDIOCRE
   3 = GOOD

```
   4 = VERY GOOD
(default) 5 = BEST
```

1.9 BUFFER

```
BUFFER :  the size of the speedup buffer used while packing

  1 = LARGE from   3K (FAST) to  33K (BEST)
  2 = MEDIUM  from   5K (FAST) to  65K (BEST)
(default) 3 = SMALL from 196K (FAST) to 256K (BEST)
```

1.10 DECRUNCHING

```
DECRUNCHING : the effect to be used during decrunching

  1 = flash color 0
  2 = flash color 2
  3 = flash mouse pointer
  4 = background color scrolling
(default) 5 = No decrunching effect
```

1.11 ENCRYPT

```
ENCRYPT : This switch enables encryption of packed files.
    You will then be asked for a password.
```

1.12 FORCE

```
FORCE : Use this switch to disable the confirmation request
    before the crunching of an executable file.
```

1.13 QUIET

```
QUIET : When this switch is on, no information is displayed
    during the packing or the unpacking operation.
```

1.14 VER

```
VER :   This switch will ask PPMC to display its current version.

Note :
~~~~~~
- Same as the '-v' option on previous versions of PPMC.
```

1.15   HELP

HELP : A very useful switch which will make PPMC display
  the packing parameters values.

Notes :
~~~~~~~
- This option is localized
- Same as the '-h' option on previous versions of PPMC.

1.16   Examples

> PPMC file1 file2 EFF=3 BUF=2 DEC=3 ENCRYPT

- Pack and encrypt 'file1' with a GOOD efficiency,
  using a MEDIUM speedup buffer, and a decrunching effect
  on the mouse POINTER, then save it to 'file2'.

> PPMC file FORCE

- Pack 'file' with the default parameters
  (EFF=BEST, BUF=LARGE, DEC=NONE), without encrypting it,
  then save it as 'file.pp', even if it's an executable file.
  If 'file' is already packed, it will be unpacked and saved.

1.17   Miscellaneous

When using PPMC from the Shell :
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
- The program firstly checks if the source file is already packed
  and encrypted and will in that case decrunch it.
  So use the same syntax to unpack a file.
- You may abort any packing or unpacking operation by hitting Ctrl-C
  or Ctrl-D.
- The display of messages can be avoided by adding >NIL:
  at the end of the command line.

1.18   Usage from Workbench

                 To run PPMC from Workbench, simply double-click on its icon,
which has several
              Tool Types
              that you may want to set before.

To load a file, you can either :
- Drop an icon on PPMC window (the fastest way),
- Click on the GetFile gadget, then select a file in the requester,
- Use the Load item from the Project menu (right Amiga + L).

Once the file is chosen, the program analyses it and whether it's already
packed or not, enables the appropriate button.

Notes :
~~~~~~~
- The Esc button aborts the crunching operation.
- Decrunching is too fast to be aborted.
- You will be warned by a requester, every time you will attempt to
  load an executable file.

1.19 Tool Types

                  PUBSCREEN : The public screen name on which PPMC should open
     its window
Default : Default public screen (or Workbench)

LANGUAGE : The language to use for localization (OS 2.1+ only)
Default : System default if available, English otherwise

EFFICIENCY : Sets the crunching efficiency at startup
Range   : 1-5 (
              Values
)
Default : 5 (BEST)

BUFFER : Sets the speedup buffer at startup
Range   : 1-3 (
              Values
)
Default : 1 (LARGE)

DECRUNCHING   : Sets the decrunching effect at startup
Range   : 1-5 (
              Values
)
Default : 5 (NONE)

ENCRYPT : Sets encryption at startup
Default : OFF

VERBOSE : When this tool type is OFF, the 'size', '% gain' and
     '%' gadgets, as well as the percentage gauge will be
     disabled during the packing operation.
Default : ON

ASL   : PPMC will use the reqtools.library file-requester
     by default.
     If you prefer using the asl.library file-requester
     or any other library providing an ASL patch program
     (KDfreq,MFR,etc..), set this tool type to ON.
Default : OFF

PATTERN : You may avoid the use of a backfill pattern
     by launching PPMC with this tooltype OFF.

```
Note    : This is particularly appropriate for owners of
    a slow processor Amiga, who use an 8 or 16 color
    Workbench screen under Kickstart 2.0 or 2.1.
    (Intuition windows are sped up a lot under V39).
Default : ON

COLOR   : Sets the window pattern color.
Range   : 0-255
Default : 3
```

1.20   Major Changes

```
v1.2b - Dutch catalog
  - Icon Tool Type parsing
  - Invisible password prompting from CLI
  - All UNIX style options replaced by new switches
  - Recompiled with SAS/C 6.1

v1.2a - File overwritting detection
  - Gadget shortcuts corrected
  - '-b' option

v1.2  - Localized
  - Unpacking possibility
  - Complete CLI/Shell interface
  - ASL file requester
  - Custom Password prompting
  - New look
  - Internal font changed
  - Hypertext documentation

v1.1  - Encrypts files
  - Warns the user if an executable file is loaded
  - Internal font purged
  - Few bugs fixed

v1.0  - First released version
```

1.21   Future improvements

```
- Pack and unpack multiple files
- Scan a directory for a recursive packing and unpacking
- Make window & gadgets sizable
- Add an icon to the destination file(s)
- Optimize the code with a custom startup
- Replace ppErrorMessage() with a localized function
- Translate the documentation to French

Note :
~~~~~~
These improvements will mostly depend on the needs of PPMC users...
```

1.22   Author

```
PPMC was written by

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FRANCE

Using a very slow Amiga 500+ (1Mb CHIP),
a GVP A500-HD8+ 52Mb SCSI hard drive (4Mb FAST),
under Kickstart 39.106 (loaded in RAM with SKick)
and Workbench 39.29

Comments, suggestions, bug reports, flames, gifts, etc...
are welcome.

  ...AND SOMEONE SAID FAIR WARNING
     LORD WILL STRIKE THAT POOR BOY DOWN,
     TURNED FROM HUNTED INTO HUNTER
     WENT TO HUNT SOMEBODY DOWN...    (VAN HALEN)
```

1.23   Acknowledgments

```
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~~~~~~~~~~~~
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Michael Berg      Denis Gounelle

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~~~~~~~~~~~~~~~~~~~~~
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Alice in Chains for the music.

PPMC was written with :
~~~~~~~~~~~~~~~~~~~~~~~~~
SAS/C Compiler v6.1   (c) SAS Institute Inc.
CygnusEd Pro v2.12    (c) CygnusSoft Software
GadToolsBox v1.4    (c) Jaba Development
powerpacker.library v35   (c) Nico Francois
reqtools.library v38    (c) Nico Francois
```