

The pdfcrypt package

Heiko Oberdiek
<oberdiek@uni-freiburg.de>

2006/02/20 v0.8

Abstract

This package supports the setting of pdf encryption options for V_T_EX and some older versions of pdf_T_EX.

Contents

1	Documentation	1
1.1	Alternatives	2
1.2	Usage	2
1.2.1	Special characters	2
1.2.2	\nopdfcrypt	3
1.2.3	Configuration file	3
1.2.4	Support for plain- _T _E X	3
1.3	Hints for pdf _T _E X	3
2	Implementation	3
2.1	Help macros for plain- _T _E X	3
2.2	Package Identification and checks	5
2.3	Driver detection	5
2.4	Load package keyval	6
2.5	Define options	8
2.6	support of configuration file	12
2.7	Package options	12
3	Installation	12
3.1	Some details for the interested	13
4	History	13
[2001/04/02 v0.1]		13
[2001/07/19 v0.2]		13
[2001/07/19 v0.3]		14
[2001/07/19 v0.4]		14
[2001/08/05 v0.5]		14
[2001/08/09 v0.6]		14
[2001/10/28 v0.7]		14
[2006/02/20 v0.8]		14
5	Index	14

1 Documentation

This package allows the setting of pdf encryption options for

- V_T_EX, since version 7.35, <http://www.micropress-inc.com/>.

- pdfTeX, patched by Ricardo Sanchez Carmenes¹.
Some supported versions are:

pdfTeX-1.00a,
pdfTeX-0.14h-pdftcrypt-20010310,
pdftcrypt-20010331

Note: Since pdfTeX-1.10a (2003-01-16) encryption support was dropped! Thus the package is now obsolete for recent pdfTeX versions.

1.1 Alternatives

There are free alternatives, programs that can be used for postprocessing the pdf file:

- pdftk
<http://www.accesspdf.com/pdftk/>
- Multivalent
<http://multivalent.sourceforge.net/>
- PDFBox
<http://www.pdfbox.org/>
- PDFTrans
<http://maddingue.free.fr/software/pdftrans.html>
- ...

1.2 Usage

The options can be set as package options or with the command `\pdfcryptsetup`:

```
owner=<owner password>
user=<user password>
print, copy, edit, annotate=true, false
all, none
debug
```

The encryption is set at `\begin{document}` by default, but this can be forced for an earlier time using the option `set`. Example:

```
\usepackage[owner=Donald,user=Knuth,print=false]{pdfcrypt}
...
\begin{document}
```

or

```
\usepackage{pdfcrypt}
\pdfcryptsetup{owner=Donald,user=Knut}
\pdfcryptsetup{print=false,set}
...
\begin{document}
```

1.2.1 Special characters

The characters ‘{’, ‘}’, and ‘\’ have to be escaped with ‘\’. Then the string should not be specified as package option but with the macro `\pdfcryptsetup`, eg:

```
\pdfcryptsetup{user={\Hello\}},print=false}
```

The password here is “{\Hello}”. Active characters can be used and are not expanded. Macros except for `\{`, `\}`, and `\` should not be used and are not expanded.

¹Ricardo Sanchez Carmenes’s email address: carmenes@bioquimica.uniovi.es

1.2.2 \nopdfcrypt

Often the whole process of pdf generation includes several T_EX compilations and perhaps other postprocessing steps. Therefore a feature would be useful to disable the encryption stuff in order to speed up the first compilations. Therefore package pdfcrypt will look for the macro \nopdfcrypt. If it has the meaning of the letter ‘Y’, the package will be disabled. Example:

```
pdflatex '\let\nopdfcrypt=Y\input myfile'
thumbpdf myfile
pdfelatex myfile
```

1.2.3 Configuration file

If the file pdfcrypt.cfg exists it is loaded and can be used for common settings.

1.2.4 Support for plain-T_EX

The package can also be used with plain-T_EX. It defines the missing L^AT_EX macros and loads package keyval. The configuration file is not supported and automatically loaded.

1.3 Hints for pdfT_EX

This section is out of date, because the encryption support was removed from pdfT_EX. Therefore this hints are of historical interest only.

- * There are packages such as thumbpdf that ship out some stuff (\immediate\pdfobj{...}). In these cases \pdfcrypt will be ignored without warning or error message. Therefore the package pdfcrypt should be loaded before and option "set" should be used in order to force the call of \pdfcrypt, for example:

```
\usepackage{pdfcrypt}
\pdfcryptsetup{..., set}
...
\usepackage{thumbpdf}
```
- * Compiling pdfTeX (eg. version 1.00a-pretest-20010804):
pdfTeX versions are available at
<ftp://ftp.cstug.cz/pub/tex/local/cstug/thanh/pdftex/snapshots/>
Unpack the latest .tgz file:

```
> tar xzf pdftex-20010804.tgz
```


Enable encryption support:

```
src> cd src/texk/web2c/pdftexdir
src/texk/web2c/pdftexdir> ln -fs pdfcrypt-full.c pdfcrypt.c
```


Compile:

```
src/texk/web2c/pdftexdir> cd ../../..
src> ./configure
src> cd texk/web2c
src/texk/web2c> make pdftexbin
```


At last install the binary and pool files.

2 Implementation

1 (*package)

2.1 Help macros for plain-T_EX

```
2 \expandafter\edef\csname pc@endinput\endcsname{%
3 \catcode'\noexpand\@=\the\catcode'\@relax
4 \noexpand\endinput
```

```

5 }
6 \catcode'\@=11 %
7
8 \expandafter\ifx\csname @firstoftwo\endcsname\relax
9   \long\def\@firstoftwo#1#2{#1}%
10 \fi
11
12 \expandafter\ifx\csname @secondoftwo\endcsname\relax
13   \long\def\@secondoftwo#1#2{#2}%
14 \fi
15
16 \expandafter\ifx\csname @ifundefined\endcsname\relax
17   \def\@ifundefined#1{%
18     \expandafter\ifx\csname #1\endcsname\relax
19       \expandafter\@firstoftwo
20     \else
21       \expandafter\@secondoftwo
22     \fi
23   }%
24 \fi
25
26 \@ifundefined{ifnextchar}{%
27   \long\def\ifnextchar#1#2#3{%
28     \let\reserved@=#1%
29     \def\reserved@a{#2}%
30     \def\reserved@b{#3}%
31     \futurelet\@let@token\@ifnch
32   }%
33   \def\@ifnch{%
34     \ifx\@let@token\@sptoken
35       \let\reserved@c\@xifnch
36     \else
37       \ifx\@let@token\reserved@d
38         \let\reserved@c\reserved@a
39       \else
40         \let\reserved@c\reserved@b
41       \fi
42     \fi
43     \reserved@c
44   }%
45   \begingroup
46     \def\:{\global\let\@sptoken= }%
47     \: %
48     \def\:{\@xifnch}%
49     \expandafter\gdef\:{\futurelet\@let@token\@ifnch}%
50   \endgroup
51 }{}
52
53 \@ifundefined{ProvidesPackage}{%
54   \def\ProvidesPackage#1{%
55     \@ifnextchar[{\pc@ProvidesPackage{#1}}
56     {\pc@ProvidesPackage{#1}[]}%
57   }%
58   \def\pc@ProvidesPackage#1[#2]{%
59     \immediate\write-1{Package: #1 #2}%
60   }%
61 }{}
62
63 \@ifundefined{PackageError}{%
64   \def\PackageError#1#2#3{%
65     \begingroup
66       \newlinechar=10 %

```

```

67     \errhelp{#3}%
68     \errmessage{%
69         \MessageBreak
70         Package #1 Error: #2.\MessageBreak
71         \MessageBreak
72         See the #1 package documentation for explanation.\MessageBreak
73         Type \space H <return> \space for immediate help%
74     }%
75 \endgroup
76 }%
77 }{}
78
79 \@ifundefined{PackageWarning}{%
80     \def\PackageWarning#1#2{%
81         \begingroup
82         \newlinechar=10 %
83         \def\MessageBreak{%
84             ^^J(#1)\@spaces\@spaces\@spaces\@spaces
85         }%
86         \immediate\write16{^^JPackage #1 Warning: #2\on@line.^^J}%
87     \endgroup
88 }%
89 }{}
90
91 \@ifundefined{PackageWarningNoLine}{%
92     \def\PackageWarningNoLine#1#2{%
93         \PackageWarning{#1}{#2\@gobble}%
94     }%
95 }{}
96
97 \@ifundefined{@gobble}{%
98     \long\def@gobble#1{}%
99 }{}
100
101 \@ifundefined{on@line}{%
102     \def\on@line{ on input line \the\inputlineno}%
103 }{}
104
105 \@ifundefined{@empty}{%
106     \def@empty{}%
107 }{}

```

2.2 Package Identification and checks

```

108 \ProvidesPackage{pdfcrypt}%
109 [2006/02/20 v0.8 Setting pdf encryption (H0)]
110 \@ifundefined{pdfcryptsetup}{%
111     \let\pdfcryptsetup@gobble
112 }{}
113 \PackageWarningNoLine{pdfcrypt}{Package pdfcrypt is already loaded}%
114 \pc@endinput
115 }

```

Support for \nopdfcrypt.

```

116 \newif\ifpc@nopdfcrypt
117 \ifx Y\nopdfcrypt
118     \PackageWarningNoLine{pdfcrypt}{%
119         Encryption disabled by \string\nopdfcrypt\space request%
120     }%
121     \global\pc@nopdfcrypttrue
122 \fi

```

2.3 Driver detection

```

123 \let\pc@driver\@empty
124 \begingroup
125 % pdfTeX detection
126 \@ifundefined{pdfoutput}{%
127 }{%
128   \ifcase\pdfoutput
129   \else
130     \@ifundefined{pdfcrypt}{%
131       \PackageError{pdfcrypt}{%
132         PDF encryption is not supported with this pdfTeX%
133       }{%
134         Encryption support was added in 0.14h (2001/03/10)\MessageBreak
135         and removed in 1.10a (2003/01/16).%
136       }%
137     \endgroup
138     \pc@endinput
139   }{%
140     \gdef\pc@driver{pdftex}%
141   }
142 \fi
143 }%
144 % VTeX detection
145 \@ifundefined{OpMode}{%
146 }{%
147   \ifnum\OpMode=1 %
148     \ifnum\@ifundefined{VTeXversion}0\VTeXversion<735 %
149       \PackageError{pdfcrypt}{%
150         PDF encryption is not supported with this VTeX%
151       }{%
152         You need VTeX 7.35 or higher.%
153       }%
154     \endgroup
155     \pc@endinput
156   \else
157     \gdef\pc@driver{vtex}%
158   \fi
159 \fi
160 }%
161 \endgroup

```

2.4 Load package keyval

```

162 \@ifundefined{@makeother}{%
163   \def\@makeother#1{\catcode'#1=12\relax}%
164 }{}
165
166 \@ifundefined{g@addto@macro}{%
167   \long\def\g@addto@macro#1#2{%
168     \begingroup
169     \toks@\expandafter{#1#2}%
170     \xdef#1{\the\toks@}%
171   \endgroup
172 }%
173 }{}
174
175 \@ifundefined{@namedef}{%
176   \def\@namedef#1{\expandafter\def\csname#1\endcsname}
177 }{}
178
179 \@ifundefined{@nameuse}{%
180   \def\@nameuse#1{\csname #1\endcsname}%
181 }{}
182

```

```

183 \@ifundefined{MessageBreak}{%
184   \def\MessageBreak{^^J}%
185 }{}
186
187 \@ifundefined{@ehc}{%
188   \def@ehc{%
189     Try typing \space <return> \space to proceed.\MessageBreak
190     If that doesn't work, type \space X <return> \space
191     to quit.%
192   }%
193 }{}
194
195 \@ifundefined{PackageInfo}{%
196   \def\PackageInfo#1#2{%
197     \begingroup
198     \newlinechar=10 %
199     \def\MessageBreak{%
200       ^^J(#1) \space\@spaces\@spaces\@spaces
201     }%
202     \wlog{Package #1 Info: #2}%
203   \endgroup
204 }%
205 }{}
206
207 \@ifundefined{@spaces}{%
208   \def@spaces{\space\space\space\space}%
209 }{}
210
211 \def\pc@KeyvalRestore{%
212   \let\pc@KeyvalRestore\undefined
213 }
214
215 \let\pcOrg@NeedsTeXFormat\NeedsTeXFormat
216 \@ifundefined{NeedsTeXFormat}{%
217   \def\NeedsTeXFormat#1{%
218     \g@addto@macro\pc@KeyvalRestore{%
219       \let\NeedsTeXFormat\pcOrg@NeedsTeXFormat
220     }%
221   }{}
222
223 \let\pcOrg@DeclareOption\DeclareOption
224 \@ifundefined{DeclareOption}{%
225   \def\DeclareOption#1#2{#2}%
226   \g@addto@macro\pc@KeyvalRestore{%
227     \let\DeclareOption\pcOrg@DeclareOption
228   }%
229 }{}
230
231 \let\pcOrg@ExecuteOptions\ExecuteOptions
232 \@ifundefined{ExecuteOptions}{%
233   \def\ExecuteOptions#1{%
234     \g@addto@macro\pc@KeyvalRestore{%
235       \let\ExecuteOptions\pcOrg@ExecuteOptions
236     }%
237   }{}
238
239 \let\pcOrg@ProcessOptions\ProcessOptions
240 \@ifundefined{ProcessOptions}{%
241   \def\ProcessOptions{%
242     \g@addto@macro\pc@KeyvalRestore{%
243       \let\ProcessOptions\pcOrg@ProcessOptions
244     }%

```

```

245 }{}%
246
247 \begingroup\expandafter\expandafter\expandafter\endgroup
248 \expandafter\ifx\csname RequirePackage\endcsname\relax
249 \input keyval.sty
250 \else
251 \RequirePackage{keyval}
252 \fi
253 \pc@KeyvalRestore

```

2.5 Define options

```

254 \ifundefined{@dblarg}{%
255 \long\def\@dblarg#1{\@ifnextchar[{\#1}{\@xdblarg{\#1}}}
256 \long\def\@xdblarg#1#2{\#1[\#2]{\#2}}
257 }{}
258
259 \newif\ifpc@set
260 \newif\ifpc@print
261 \newif\ifpc@copy
262 \newif\ifpc@edit
263 \newif\ifpc@annotate
264 \newif\ifpc@debug
265 \let\pc@owner\@empty
266 \let\pc@user\@empty
267
268 % default: allow all
269 \pc@printtrue
270 \pc@copytrue
271 \pc@edittrue
272 \pc@annotatetrue
273
274 \edef\pc@temp{\catcode'\noexpand\"=\the\catcode'\}\relax}
275 \@makeother\"
276 \def\pc@set{%
277 \PackageInfo{pdfcrypt}{%
278 \ifpc@debug
279 \ifx\pc@owner\@empty
280 No owner password%
281 \else
282 Owner password: '\pc@owner'%
283 \fi
284 \MessageBreak
285 \ifx\pc@user\@empty
286 No user password%
287 \else
288 User password: '\pc@user'%
289 \fi
290 \MessageBreak
291 Flags: %
292 \ifpc@print \else no\fi print, %
293 \ifpc@copy \else no\fi copy, %
294 \ifpc@edit \else no\fi edit, %
295 \ifpc@annotate\else no\fi annotate%
296 \MessageBreak
297 \fi
298 \ifpc@nopdfcrypt
299 Encryption is disabled by '\string\nopdfcrypt'%
300 \else
301 Encryption is set for '\pc@driver'%
302 \fi
303 }
304 \ifpc@nopdfcrypt

```



```

305 \else
306   \@ifundefined{pc@set@pc@driver}{%
307     \ifx\pc@driver\@empty
308       \PackageError{pdfcrypt}{No driver for encryption %
309         support found}\@ehc
310     \else
311       \PackageError{pdfcrypt}{Cannot set encryption for %
312         unknown driver '\pc@driver'}\@ehc
313     \fi
314   }{%
315     \@nameuse{pc@set@pc@driver}%
316   }%
317 \fi
318 }
319 \def\pc@set@pdftex{%
320   \ifnum\pdftexversion<100 %
321     \pc@set@pdftexold
322   \else
323     \pc@set@pdftexnew
324   \fi
325 }
326 \def\pc@set@pdftexold{%
327   \pdfcrypt{%
328     owner "\pc@owner"
329     user "\pc@user"
330     \ifpc@print \else no\fi print
331     \ifpc@copy \else no\fi copy
332     \ifpc@edit \else no\fi edit
333     \ifpc@annotate\else no\fi annotate%
334   }%
335 }
336 \def\pc@set@pdftexnew{%
337   \pdfcrypt
338   owner{\pc@owner}%
339   user{\pc@user}%
340   \ifpc@print \else no\fi print
341   \ifpc@copy \else no\fi copy
342   \ifpc@edit \else no\fi edit
343   \ifpc@annotate\else no\fi annotate%
344   \relax
345 }
346 \def\pc@set@vtx{%
347   \immediate\special{!security %
348     O=\pc@MakeVTeXString\pc@owner,%
349     U=\pc@MakeVTeXString\pc@user,%
350     P\ifpc@print +\else -\fi,%
351     C\ifpc@copy +\else -\fi,%
352     M\ifpc@edit +\else -\fi,%
353     A\ifpc@annotate +\else -\fi
354   }%
355 }
356 \def\pc@MakeVTeXString#1{%
357   "\expandafter\pc@@MakeVTeXString#1"\@nil"
358 }
359 \def\pc@@MakeVTeXString#1"#2\@nil{%
360   #1%
361   \ifx\\#2\\%
362   \else
363     "%
364     \@ReturnAfterFi{%
365       \pc@@MakeVTeXString#2\@nil
366     }%

```

```

367 \fi
368 }
369 \long\def\@ReturnAfterFi#1\fi{\fi#1}
370 \pc@temp
371
372 \begingroup
373 \catcode'\ =12 \gdef\pc@spaceother{ }\catcode'\ =10\relax
374 \catcode'\| =0 %
375 \catcode'\ =12 %
376 \gdef\pc@DefString#1#2{%
377   \def#1{#2}%
378   \edef#1{|expandafter|strip@prefix|meaning#1}%
379   \edef#1{|expandafter|pc@SpaceToOther#1 |@nil}%
380   \edef#1{|expandafter|pc@EscapeRemove#1|@empty|@empty|@nil}%
381 }
382 \gdef\pc@EscapeRemove#1\#2#3|@nil{%
383   #1#2%
384   \ifx|\#3|\%
385   \else
386     \@ReturnAfterFi{%
387       \pc@EscapeRemove#3|@nil
388     }%
389   \fi
390 }
391 \endgroup
392 \def\pc@SpaceToOther#1 #2\@nil{%
393   #1%
394   \ifx\#2\%
395   \else
396     \pc@spaceother
397     \@ReturnAfterFi{%
398       \pc@SpaceToOther#2\@nil
399     }%
400   \fi
401 }
402
403 \def\pc@boolkey{\@dblarg\pc@@boolkey}
404 \def\pc@@boolkey[#1]#2#3{%
405   \lowercase{\def\pc@temp{#3}}%
406   \ifx\pc@temp\@empty
407     \let\pc@temp\pc@true
408   \fi
409   \ifx\pc@temp\pc@true
410   \else
411     \ifx\pc@temp\pc@false
412     \else
413       \let\pc@temp\relax
414     \fi
415   \fi
416   \ifx\pc@temp\relax
417     \PackageWarning{pdfcrypt}{%
418       Unexpected value \string'#3\string' of
419       option \string'#2\string'\MessageBreak
420       instead of
421       \string'true\string' or \string'false\string'%
422     }%
423   \else
424     \csname pc@#2\pc@temp\endcsname
425   \fi
426 }
427 \def\pc@true{true}
428 \def\pc@false{false}

```

```

429
430 \define@key{pc}{set}[true]{%
431   \pc@boolkey{set}{#1}%
432 }
433 \define@key{pc}{pdftex}[]{%
434   \def\pc@driver{pdftex}%
435 }
436 \define@key{pc}{vtex}[]{%
437   \def\pc@driver{vtex}%
438 }
439 \define@key{pc}{print}[true]{%
440   \pc@boolkey{print}{#1}%
441 }
442 \define@key{pc}{copy}[true]{%
443   \pc@boolkey{copy}{#1}%
444 }
445 \define@key{pc}{edit}[true]{%
446   \pc@boolkey{edit}{#1}%
447 }
448 \define@key{pc}{annotate}[true]{%
449   \pc@boolkey{annotate}{#1}%
450 }
451 \define@key{pc}{all}[]{%
452   \pc@boolkey{print}{true}%
453   \pc@boolkey{copy}{true}%
454   \pc@boolkey{edit}{true}%
455   \pc@boolkey{annotate}{true}%
456 }
457 \define@key{pc}{none}[]{%
458   \pc@boolkey{print}{false}%
459   \pc@boolkey{copy}{false}%
460   \pc@boolkey{edit}{false}%
461   \pc@boolkey{annotate}{false}%
462 }
463
464 \define@key{pc}{owner}{%
465   \pc@DefString\pc@owner{#1}%
466 }
467 \define@key{pc}{user}{%
468   \pc@DefString\pc@user{#1}%
469 }
470 \define@key{pc}{debug}[true]{%
471   \pc@boolkey{debug}{#1}%
472 }
473
474 \def\pdfcryptsetup#1{%
475   \setkeys{pc}{#1}%
476   \ifpc@set
477     \pc@set
478     \global\let\pc@set\relax
479     \gdef\pdfcryptsetup##1{%
480       \PackageWarning{pdfcrypt}{%
481         Encryption options are already set\MessageBreak
482         new values are ignored%
483       }%
484     }%
485   \fi
486 }
487 \begingroup\expandafter\expandafter\expandafter\endgroup
488 \expandafter\ifx\csname @onlypreamble\endcsname\relax
489 \else
490   \@onlypreamble\pdfcryptsetup

```

```
491 \fi
```

2.6 support of configuration file

```
492 \begingroup\expandafter\expandafter\expandafter\endgroup
493 \expandafter\ifx\csname InputIfFileExists\endcsname\relax
494   \PackageInfo{pdfcrypt}{%
495     Configuration file pdfcrypt.cfg not supported.%
496   }%
497 \else
498   \let\pc@ExecuteOptions\ExecuteOptions
499   \InputIfFileExists{pdfcrypt.cfg}{}{}
500   \let\ExecuteOptions\pc@ExecuteOptions
501 \fi
```

2.7 Package options

Plain format does not know package options.

```
502 \begingroup\expandafter\expandafter\expandafter\endgroup
503 \expandafter\ifx\csname @classoptionslist\endcsname\relax
504   \expandafter\pc@endinput
505 \fi
```

Process global and local options.

```
506 \def\pc@ProcessOptionsWithKV{%
507   \let\pc@temp\@empty
508   \@for\CurrentOption:=\@classoptionslist\do{%
509     \@ifundefined{KV@pc@\CurrentOption}{}{%
510       \edef\pc@temp{\pc@temp,\CurrentOption,}%
511       \@expandtwoargs\@removeelement\CurrentOption
512         \@unusedoptionlist\@unusedoptionlist
513     }%
514   }%
515   \edef\pc@temp{%
516     \noexpand\pdfcryptsetup{%
517       \pc@temp\@optionlist{\@currname.\@current}%
518     }%
519   }%
520   \pc@temp
521 }
522 \pc@ProcessOptionsWithKV
523 \AtEndOfPackage{\let\@unprocessedoptions\relax}
524 \AtBeginDocument{\pc@set}
525
526 \pc@endinput
527 \</package>
```

3 Installation

CTAN. This package is available on CTAN²:

[CTAN:macros/latex/contrib/oberdiek/pdfcrypt.dtx](#) The source file.

[CTAN:macros/latex/contrib/oberdiek/pdfcrypt.pdf](#) Documentation.

Unpacking. The .dtx file is a self-extracting docstrip archive. The files are extracted by running the .dtx through plain-TeX:

```
tex pdfcrypt.dtx
```

²<http://ftp.ctan.org/tex-archive/>

TDS. Now the different files must be moved into the different directories in your installation TDS tree (also known as `texmf` tree):

```
pdfcrypt.sty → tex/generic/oberdiek/pdfcrypt.sty
pdfcrypt.pdf → doc/latex/oberdiek/pdfcrypt.pdf
pdfcrypt.dtx → source/latex/oberdiek/pdfcrypt.dtx
```

If you have a `docstrip.cfg` that configures and enables `docstrip`'s TDS installing feature, then some files can already be in the right place, see the documentation of `docstrip`.

Refresh file databases. If your \TeX distribution (`te \TeX` , `mik \TeX` , ...) rely on file databases, you must refresh these. For example, `te \TeX` users run `texhash` or `mktexlsr`.

3.1 Some details for the interested

Attached source. The PDF documentation on CTAN also includes the `.dtx` source file. It can be extracted by AcrobatReader 6 or higher. Another option is `pdftk`, e.g. unpack the file into the current directory:

```
pdftk pdfcrypt.pdf unpack_files output .
```

Unpacking with \LaTeX . The `.dtx` chooses its action depending on the format:

plain- \TeX : Run `docstrip` and extract the files.

\LaTeX : Generate the documentation.

If you insist on using \LaTeX for `docstrip` (really, `docstrip` does not need \LaTeX), then inform the autodetect routine about your intension:

```
latex \install=y\input{pdfcrypt.dtx}
```

Do not forget to quote the argument according to the demands of your shell.

Generating the documentation. You can use both the `.dtx` or the `.drv` to generate the documentation. The process can be configured by the configuration file `ltxdoc.cfg`. For instance, put this line into this file, if you want to have A4 as paper format:

```
\PassOptionsToClass{a4paper}{article}
```

An example follows how to generate the documentation with `pdf \LaTeX` :

```
pdflatex pdfcrypt.dtx
makeindex -s gind.ist pdfcrypt.idx
pdflatex pdfcrypt.dtx
makeindex -s gind.ist pdfcrypt.idx
pdflatex pdfcrypt.dtx
```

4 History

[2001/04/02 v0.1]

- First public version, published in the `pdftex` mailing list for testing with `pdfcrypt-20010331`

[2001/07/19 v0.2]

- Default: all allowed.
- Support for \VTeX added.

[2001/07/19 v0.3]

- Bug fix: `\TeX` letter for edit is M (modify).

[2001/07/19 v0.4]

- Bug fix: `\TeXversion` is correct after regenerating the format file.

[2001/08/05 v0.5]

- Syntax change in `pdfTeX` 1.00a.

[2001/08/09 v0.6]

- Support of special characters:
input: `\{, \}, \` for `{, }, \`
output: " in `TeX`
- Option debug added.

[2001/10/28 v0.7]

- Plain compatibility.
- `\nopdfcrypt` added.
- Typos corrected.

[2006/02/20 v0.8]

- Obsolete remarks for `pdfTeX`.
- DTX framework.
- LPPL 1.3

5 Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

Symbols	
<code>\</code>	<i>274, 275</i>
<code>\#</code>	<i>382, 384</i>
<code>\%</code>	<i>384</i>
<code>\:</code>	<i>46, 47, 48, 49</i>
<code>\@</code>	<i>3, 6</i>
<code>\@ReturnAfterFi</code>	<i>364, 369, 397</i>
<code>\@classoptionslist</code>	<i>508</i>
<code>\@current</code>	<i>517</i>
<code>\@currname</code>	<i>517</i>
<code>\@dblarg</code>	<i>255, 403</i>
<code>\@ehc</code>	<i>188, 309, 312</i>
<code>\@empty</code>	<i>106, 123,</i> <i>265, 266, 279, 285, 307, 406, 507</i>
<code>\@expandtwoargs</code>	<i>511</i>
<code>\@firstoftwo</code>	<i>9, 19</i>
<code>\@for</code>	<i>508</i>
<code>\@gobble</code>	<i>93, 98, 111</i>
<code>\@ifnch</code>	<i>31, 33, 49</i>
<code>\@ifnextchar</code>	<i>27, 55, 255</i>
<code>\@ifundefined</code>	<i>17, 26,</i> <i>53, 63, 79, 91, 97, 101, 105, 110,</i> <i>126, 130, 145, 148, 162, 166,</i> <i>175, 179, 183, 187, 195, 207,</i> <i>216, 224, 232, 240, 254, 306, 509</i>
<code>\@let@token</code>	<i>31, 34, 37, 49</i>
<code>\@makeother</code>	<i>163, 275</i>
<code>\@namedef</code>	<i>176</i>
<code>\@nameuse</code>	<i>180, 315</i>
<code>\@nil</code>	<i>357, 359, 365, 392, 398</i>
<code>\@onlypreamble</code>	<i>490</i>
<code>\@optionlist</code>	<i>517</i>
<code>\@removeelement</code>	<i>511</i>
<code>\@secondoftwo</code>	<i>13, 21</i>
<code>\@spaces</code>	<i>84, 200, 208</i>
<code>\@sptoken</code>	<i>34, 46</i>
<code>\@undefined</code>	<i>212</i>
<code>\@unprocessedoptions</code>	<i>523</i>

\@unusedoptionlist	512	N	
\@xdblarg	255, 256	\NeedsTeXFormat	215, 217, 219
\@xifnch	35, 48	\newif	116, 259, 260, 261, 262, 263, 264
\\	361, 375, 394	\newlinechar	66, 82, 198
\	374, 380	\nopdfcrypt	117, 119, 299
O			
_	373	\on@line	86, 102
A			
\AtBeginDocument	524	\OpMode	147
\AtEndOfPackage	523	P	
C			
\catcode	3, 6, 163, 274, 373, 374, 375	\PackageError	64, 131, 149, 308, 311
\csname	2, 8, 12, 16, 18, 176, 180, 248, 424, 488, 493, 503	\PackageInfo	196, 277, 494
\CurrentOption	508, 509, 510, 511	\PackageWarning	80, 93, 417, 480
D			
\DeclareOption	223, 225, 227	\PackageWarningNoLine	92, 113, 118
\define@key	430, 433, 436, 439, 442, 445, 448, 451, 457, 464, 467, 470	\pc@boolkey	403, 404
\do	508	\pc@@MakeVTeXString	357, 359, 365
E			
\endcsname	2, 8, 12, 16, 18, 176, 180, 248, 424, 488, 493, 503	\pc@annotatetrue	272
\endinput	4	\pc@boolkey	403, 431, 440, 443, 446, 449, 452, 453, 454, 455, 458, 459, 460, 461, 471
\errhelp	67	\pc@copytrue	270
\errmessage	68	\pc@DefString	465, 468
\ExecuteOptions	231, 233, 235, 498, 500	\pc@driver	123, 140, 157, 301, 306, 307, 312, 315, 434, 437
F			
\futurelet	31, 49	\pc@edittrue	271
G			
\g@addto@macro	167, 218, 226, 234, 242	\pc@endinput	114, 138, 155, 504, 526
\gdef	49, 140, 157, 373, 479	\pc@ExecuteOptions	498, 500
I			
\ifcase	128	\pc@false	411, 428
\ifnum	147, 148, 320	\pc@KeyvalRestore	211, 212, 218, 226, 234, 242, 253
\ifpc@annotate	263, 295, 333, 343, 353	\pc@MakeVTeXString	348, 349, 356
\ifpc@copy	261, 293, 331, 341, 351	\pc@nopdfcrypttrue	121
\ifpc@debug	264, 278	\pc@owner	265, 279, 282, 328, 338, 348, 465
\ifpc@edit	262, 294, 332, 342, 352	\pc@printrtrue	269
\ifpc@nopdfcrypt	116, 298, 304	\pc@ProcessOptionsWithKV	506, 522
\ifpc@print	260, 292, 330, 340, 350	\pc@ProvidesPackage	55, 56, 58
\ifpc@set	259, 476	\pc@set	276, 477, 478, 524
\ifx	8, 12, 16, 18, 34, 37, 117, 248, 279, 285, 307, 361, 394, 406, 409, 411, 416, 488, 493, 503	\pc@set@pdftex	319
\immediate	59, 86, 347	\pc@set@pdftexnew	323, 336
\input	249	\pc@set@pdftexold	321, 326
\InputIfFileExists	499	\pc@set@vtex	346
\inputlineno	102	\pc@spaceother	373, 396
L			
\lowercase	405	\pc@SpaceToOther	392, 398
M			
\MessageBreak	69, 70, 71, 72, 83, 134, 184, 189, 199, 284, 290, 296, 419, 481	\pc@temp	274, 370, 405, 406, 407, 409, 411, 413, 416, 424, 507, 510, 515, 517, 520
R			
		\pc@true	407, 409, 427
		\pc@user	266, 285, 288, 329, 339, 349, 468
		\pcOrg@DeclareOption	223, 227
		\pcOrg@ExecuteOptions	231, 235
		\pcOrg@NeedsTeXFormat	215, 219
		\pcOrg@ProcessOptions	239, 243
		\pdfcrypt	327, 337
		\pdfcryptsetup	111, 474, 479, 490, 516
		\pdfoutput	128
		\pdftexversion	320
		\ProcessOptions	239, 241, 243
		\ProvidesPackage	54, 108

\reserved@a	29, 38		T
\reserved@b	30, 40	\the	3, 102, 170, 274
\reserved@c	35, 38, 40, 43	\toks@	169, 170
\reserved@d	28, 37		V
		\VTeXversion	148
S			W
\setkeys	475		
\space	73, 119, 189, 190, 200, 208	\wlog	202
\special	347	\write	59, 86