

# The pdfcrypt package

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## Abstract

This package supports the setting of pdf encryption options for V<sub>T</sub><sub>E</sub>X and some older versions of pdf<sub>T</sub><sub>E</sub>X.

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## 1 Documentation

This package allows the setting of pdf encryption options for

- V<sub>T</sub><sub>E</sub>X, since version 7.35, <http://www.micropress-inc.com/>.

- pdfTeX, patched by Ricardo Sanchez Carmenes<sup>1</sup>.  
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.

---

<sup>1</sup>Ricardo Sanchez Carmenes’s email address: [carmenes@bioquimica.uniovi.es](mailto:carmenes@bioquimica.uniovi.es)

### 1.2.2 \nopdfcrypt

Often the whole process of pdf generation includes several  $\text{\TeX}$  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- $\text{\TeX}$

The package can also be used with plain- $\text{\TeX}$ . It defines the missing  $\text{\LaTeX}$  macros and loads package `keyval`. The configuration file is not supported and automatically loaded.

## 1.3 Hints for pdf $\text{\TeX}$

This section is out of date, because the encryption support was removed from pdf $\text{\TeX}$ . 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 pdf $\text{\TeX}$  (eg. version 1.00a-pretest-20010804):  
pdf $\text{\TeX}$  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- $\text{\TeX}$

```
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 CTAN<sup>2</sup>:

[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
```

---

<sup>2</sup>[ftp://ftp.ctan.org/tex-archive/](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  $\text{T}_{\text{E}}\text{X}$  distribution (`te $\text{T}_{\text{E}}\text{X}$` , `mik $\text{T}_{\text{E}}\text{X}$` , ...) rely on file databases, you must refresh these. For example, `te $\text{T}_{\text{E}}\text{X}$`  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  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ .** The `.dtx` chooses its action depending on the format:

**plain- $\text{T}_{\text{E}}\text{X}$ :** Run `docstrip` and extract the files.

**$\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ :** Generate the documentation.

If you insist on using  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$  for `docstrip` (really, `docstrip` does not need  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ ), then inform the autodetect routine about your intention:

```
latex \let\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 $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$` :

```
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  $\text{V}_{\text{T}}\text{E}_{\text{X}}$  added.

## [2001/07/19 v0.3]

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

## [2001/07/19 v0.4]

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

## [2001/08/05 v0.5]

- Syntax change in pdf`VTEX` 1.00a.

## [2001/08/09 v0.6]

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

## [2001/10/28 v0.7]

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

## [2006/02/20 v0.8]

- Obsolete remarks for pdf`VTEX`.
- DTX framework.
- LPPL 1.3

## 5 Index

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