

The pdfcrypt package

Heiko Oberdiek*

2016/05/16 v1.1

Abstract

This package supports the setting of pdf encryption options for V \TeX and some older versions of pdf \TeX .

Contents

1	Documentation	2
1.1	Alternatives	2
1.2	Usage	2
1.2.1	Special characters	3
1.2.2	<code>\nopdfcrypt</code>	3
1.2.3	Configuration file	3
1.2.4	Support for plain \TeX	3
1.3	Hints for pdf \TeX	3
2	Implementation	4
2.1	Help macros for plain \TeX	4
2.2	Package Identification and checks	5
2.3	Driver detection	6
2.4	Load package <code>keyval</code>	6
2.5	Define options	7
2.6	support of configuration file	12
2.7	Package options	12
3	Installation	12
3.1	Download	12
3.2	Bundle installation	13
3.3	Package installation	13
3.4	Refresh file name databases	13
3.5	Some details for the interested	13
4	History	14
	[2001/04/02 v0.1]	14
	[2001/07/19 v0.2]	14
	[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

*Please report any issues at <https://github.com/ho-tex/oberdiek/issues>

[2006/02/20 v0.8]	15
[2007/04/11 v0.9]	15
[2007/04/26 v1.0]	15
[2016/05/16 v1.1]	15

1 Documentation

This package allows the setting of pdf encryption options for

- VT_EX, since version 7.35, <http://www.micropress-inc.com/>.
- pdfT_EX, patched by Ricardo Sanchez Carmenes¹.
Some supported versions are:

pdfT_EX-1.00a,
pdfT_EX-0.14h-pdfcrypt-20010310,
pdfcrypt-20010331

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

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

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.

1.2.2 `\nopdfcrypt`

Often the whole process of pdf generation includes several \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 \TeX

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

1.3 Hints for pdf \TeX

This section is out of date, because the encryption support was removed from pdf \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 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@d=#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 \begingroup\expandafter\expandafter\expandafter\endgroup
64 \expandafter\ifx\csname RequirePackage\endcsname\relax
65   \input infwarerr.sty\relax
66 \else
67   \RequirePackage{infwarerr}%
68 \fi
69
70 \@ifundefined{@gobble}{%
71   \long\def@gobble#1{}%
72 }{}
73
74 \@ifundefined{@empty}{%
75   \def@empty{}%
76 }{}

```

2.2 Package Identification and checks

```

77 \ProvidesPackage{pdfcrypt}%
78 [2016/05/16 v1.1 Allows the setting of PDF encryption (HO)]%
79 \@ifundefined{pdfcryptsetup}{%
80   \let\pdfcryptsetup@gobble
81 }{}%
82 \@PackageWarningNoLine{pdfcrypt}{Package pdfcrypt is already loaded}%
83 \pc@endinput
84 }

```

Support for \nopdfcrypt.

```

85 \newif\ifpc@nopdfcrypt
86 \ifx Y\nopdfcrypt
87   \@PackageWarningNoLine{pdfcrypt}{%
88     Encryption disabled by \string \nopdfcrypt\space request%
89   }%
90   \global\pc@nopdfcrypttrue
91 \fi

```

2.3 Driver detection

```
92 \let\pc@driver\@empty
93 \begingroup
94 % pdfTeX detection
95 \@ifundefined{pdfoutput}{%
96 }{%
97   \ifcase\pdfoutput
98   \else
99     \@ifundefined{pdfcrypt}{%
100       \@PackageError{pdfcrypt}{%
101         PDF encryption is not supported with this pdfTeX%
102       }{%
103         Encryption support was added in 0.14h (2001/03/10)\MessageBreak
104         and removed in 1.10a (2003/01/16).%
105       }%
106     \endgroup
107     \pc@endinput
108   }{%
109     \gdef\pc@driver{pdftex}%
110   }%
111 \fi
112 }%
113 % VTeX detection
114 \@ifundefined{OpMode}{%
115 }{%
116   \ifnum\OpMode=1 %
117     \ifnum\@ifundefined{VTeXversion}0\VTeXversion<735 %
118       \@PackageError{pdfcrypt}{%
119         PDF encryption is not supported with this VTeX%
120       }{%
121         You need VTeX 7.35 or higher.%
122       }%
123     \endgroup
124     \pc@endinput
125   \else
126     \gdef\pc@driver{vtex}%
127   \fi
128 \fi
129 }%
130 \endgroup
```

2.4 Load package keyval

```
131 \@ifundefined{@makeother}{%
132   \def\@makeother#1{\catcode`#1=12\relax}%
133 }{}
134
135 \@ifundefined{g@addto@macro}{%
136   \long\def\g@addto@macro#1#2{%
137     \begingroup
138     \toks@\expandafter{#1#2}%
139     \xdef#1{\the\toks@}%
140   \endgroup
141   }%
142 }{}
143
144 \@ifundefined{@namedef}{%
145   \def\@namedef#1{\expandafter\def\csname#1\endcsname}%
146 }
```

```

146 }{}
147
148 \@ifundefined{@nameuse}{%
149   \def\@nameuse#1{\csname #1\endcsname}%
150 }{}
151
152 \def\pc@KeyvalRestore{%
153   \let\pc@KeyvalRestore\@undefined
154 }
155
156 \let\pcOrg@NeedsTeXFormat\NeedsTeXFormat
157 \@ifundefined{NeedsTeXFormat}{%
158   \def\NeedsTeXFormat#1{%
159     \g@addto@macro\pc@KeyvalRestore{%
160       \let\NeedsTeXFormat\pcOrg@NeedsTeXFormat
161     }%
162 }{}
163
164 \let\pcOrg@DeclareOption\DeclareOption
165 \@ifundefined{DeclareOption}{%
166   \def\DeclareOption#1#2{#2}%
167   \g@addto@macro\pc@KeyvalRestore{%
168     \let\DeclareOption\pcOrg@DeclareOption
169   }%
170 }{}
171
172 \let\pcOrg@ExecuteOptions\ExecuteOptions
173 \@ifundefined{ExecuteOptions}{%
174   \def\ExecuteOptions#1{%
175     \g@addto@macro\pc@KeyvalRestore{%
176       \let\ExecuteOptions\pcOrg@ExecuteOptions
177     }%
178 }{}
179
180 \let\pcOrg@ProcessOptions\ProcessOptions
181 \@ifundefined{ProcessOptions}{%
182   \def\ProcessOptions{%
183     \g@addto@macro\pc@KeyvalRestore{%
184       \let\ProcessOptions\pcOrg@ProcessOptions
185     }%
186 }{}%
187
188 \begingroup\expandafter\expandafter\expandafter\endgroup
189 \expandafter\ifx\csname RequirePackage\endcsname\relax
190   \input keyval.sty\relax
191 \else
192   \RequirePackage{keyval}%
193 \fi
194 \pc@KeyvalRestore

```

2.5 Define options

```

195 \@ifundefined{@dblarg}{%
196   \long\def\@dblarg#1{\@ifnextchar[{\#1}{\@xdblarg{\#1}}}%
197   \long\def\@xdblarg#1#2{#1[#2]}{#2}}%
198 }{}
199
200 \newif\ifpc@set
201 \newif\ifpc@print

```

```

202 \newif\ifpc@copy
203 \newif\ifpc@edit
204 \newif\ifpc@annotate
205 \newif\ifpc@debug
206 \let\pc@owner\@empty
207 \let\pc@user\@empty
208
209 % default: allow all
210 \pc@printtrue
211 \pc@copytrue
212 \pc@edittrue
213 \pc@annotatetrue
214
215 \edef\pc@temp{\catcode`\noexpand\="=\the\catcode`\"\relax}
216 \@makeother\"
217 \def\pc@set{%
218   \@PackageInfo{pdfcrypt}{%
219     \ifpc@debug
220       \ifx\pc@owner\@empty
221         No owner password%
222       \else
223         Owner password: `\'pc@owner'%
224       \fi
225       \MessageBreak
226       \ifx\pc@user\@empty
227         No user password%
228       \else
229         User password: `\'pc@user'%
230       \fi
231       \MessageBreak
232       Flags: %
233       \ifpc@print   \else no\fi print, %
234       \ifpc@copy    \else no\fi copy, %
235       \ifpc@edit    \else no\fi edit, %
236       \ifpc@annotate\else no\fi annotate%
237       \MessageBreak
238     \fi
239     \ifpc@nopdfcrypt
240       Encryption is disabled by `\'string\nopdfcrypt'%
241     \else
242       Encryption is set for `\'pc@driver'%
243     \fi
244   }%
245   \ifpc@nopdfcrypt
246   \else
247     \@ifundefined{pc@set@pc@driver}{%
248       \ifx\pc@driver\@empty
249         \@PackageError{pdfcrypt}{No driver for encryption %
250           support found}\@ehc
251       \else
252         \@PackageError{pdfcrypt}{Cannot set encryption for %
253           unknown driver `\'pc@driver'}\@ehc
254       \fi
255     }{%
256       \@nameuse{pc@set@pc@driver}%
257     }%
258   \fi
259 }

```



```

260 \def\pc@set@pdftex{%
261   \ifnum\pdftexversion<100 %
262     \pc@set@pdftexold
263   \else
264     \pc@set@pdftexnew
265   \fi
266 }
267 \def\pc@set@pdftexold{%
268   \pdfcrypt{%
269     owner "\pc@owner" %
270     user "\pc@user" %
271     \ifpc@print   \else no\fi print %
272     \ifpc@copy    \else no\fi copy %
273     \ifpc@edit    \else no\fi edit %
274     \ifpc@annotate\else no\fi annotate%
275   }%
276 }
277 \def\pc@set@pdftexnew{%
278   \pdfcrypt
279   owner{\pc@owner}%
280   user{\pc@user}%
281   \ifpc@print   \else no\fi print %
282   \ifpc@copy    \else no\fi copy %
283   \ifpc@edit    \else no\fi edit %
284   \ifpc@annotate\else no\fi annotate%
285   \relax
286 }
287 \def\pc@set@vtx{%
288   \immediate\special{!security %
289     O=\pc@MakeVTeXString\pc@owner,%
290     U=\pc@MakeVTeXString\pc@user,%
291     P\ifpc@print +\else -\fi,%
292     C\ifpc@copy +\else -\fi,%
293     M\ifpc@edit +\else -\fi,%
294     A\ifpc@annotate +\else -\fi
295   }%
296 }
297 \def\pc@MakeVTeXString#1{%
298   "\expandafter\pc@@MakeVTeXString#1"@nil"
299 }
300 \def\pc@@MakeVTeXString#1"#2@nil{%
301   #1%
302   \ifx\|#2\|
303     \else
304       ""%
305       \@ReturnAfterFi{%
306         \pc@@MakeVTeXString#2@nil
307       }%
308     \fi
309 }
310 \long\def\@ReturnAfterFi#1\fi{\fi#1}
311 \pc@temp
312
313 \begingroup
314   \catcode`\ =12 \gdef\pc@spaceother{ }\catcode`\ =10\relax
315   \catcode`\|=0 %
316   \catcode`\|=12 %
317   \gdef\pc@DefString#1#2{%

```

```

318 |def#1{#2}%
319 |edef#1{|expandafter|strip@prefix|meaning#1}%
320 |edef#1{|expandafter|pc@SpaceToOther#1 |@nil}%
321 |edef#1{|expandafter|pc@EscapeRemove#1|@empty|@empty|@nil}%
322 }%
323 |gdef|pc@EscapeRemove#1\#2#3|@nil{%
324 #1#2%
325 |ifx|\#3|\%%
326 |else
327 |@ReturnAfterFi{%
328 |pc@EscapeRemove#3|@nil
329 }%
330 |fi
331 }%
332 |endgroup
333 \def\pc@SpaceToOther#1 #2\@nil{%
334 #1%
335 \ifx\#2\%
336 \else
337 \pc@spaceother
338 \@ReturnAfterFi{%
339 \pc@SpaceToOther#2\@nil
340 }%
341 \fi
342 }
343
344 \def\pc@boolkey{\@dblarg\pc@@boolkey}
345 \def\pc@@boolkey[#1]#2#3{%
346 \lowercase{\def\pc@temp{#3}}%
347 \ifx\pc@temp\@empty
348 \let\pc@temp\pc@true
349 \fi
350 \ifx\pc@temp\pc@true
351 \else
352 \ifx\pc@temp\pc@false
353 \else
354 \let\pc@temp\relax
355 \fi
356 \fi
357 \ifx\pc@temp\relax
358 \@PackageWarning{pdfcrypt}{%
359 Unexpected value \string`#3\string' of %
360 option \string`#2\string'\MessageBreak
361 instead of %
362 \string`true\string' or \string`false\string'%
363 }%
364 \else
365 \csname pc@#2\pc@temp\endcsname
366 \fi
367 }
368 \def\pc@true{true}
369 \def\pc@false{false}
370
371 \define@key{pc}{set}[true]{%
372 \pc@boolkey{set}{#1}%
373 }
374 \define@key{pc}{pdftex}[]{%
375 \def\pc@driver{pdftex}%

```

```

376 }
377 \define@key{pc}{vtex}[] {%
378   \def\pc@driver{vtex}%
379 }
380 \define@key{pc}{print}[true] {%
381   \pc@boolkey{print}{#1}%
382 }
383 \define@key{pc}{copy}[true] {%
384   \pc@boolkey{copy}{#1}%
385 }
386 \define@key{pc}{edit}[true] {%
387   \pc@boolkey{edit}{#1}%
388 }
389 \define@key{pc}{annotate}[true] {%
390   \pc@boolkey{annotate}{#1}%
391 }
392 \define@key{pc}{all}[] {%
393   \pc@boolkey{print}{true}%
394   \pc@boolkey{copy}{true}%
395   \pc@boolkey{edit}{true}%
396   \pc@boolkey{annotate}{true}%
397 }
398 \define@key{pc}{none}[] {%
399   \pc@boolkey{print}{false}%
400   \pc@boolkey{copy}{false}%
401   \pc@boolkey{edit}{false}%
402   \pc@boolkey{annotate}{false}%
403 }
404
405 \define@key{pc}{owner} {%
406   \pc@DefString\pc@owner{#1}%
407 }
408 \define@key{pc}{user} {%
409   \pc@DefString\pc@user{#1}%
410 }
411 \define@key{pc}{debug}[true] {%
412   \pc@boolkey{debug}{#1}%
413 }
414
415 \def\pdfcryptsetup#1 {%
416   \setkeys{pc}{#1}%
417   \ifpc@set
418     \pc@set
419     \global\let\pc@set\relax
420     \gdef\pdfcryptsetup##1 {%
421       \@PackageWarning{pdfcrypt} {%
422         Encryption options are already set\MessageBreak
423         new values are ignored%
424       }%
425     }%
426   \fi
427 }
428 \begingroup\expandafter\expandafter\expandafter\endgroup
429 \expandafter\ifx\csname @onlypreamble\endcsname\relax
430 \else
431   \@onlypreamble\pdfcryptsetup
432 \fi

```

2.6 support of configuration file

```
433 \begingroup\expandafter\expandafter\expandafter\endgroup
434 \expandafter\ifx\csname InputIfFileExists\endcsname\relax
435   \@PackageInfo{pdfcrypt}{%
436     Configuration file pdfcrypt.cfg not supported.%
437   }%
438 \else
439   \let\pc@ExecuteOptions\ExecuteOptions
440   \InputIfFileExists{pdfcrypt.cfg}{-}{-}%
441   \let\ExecuteOptions\pc@ExecuteOptions
442 \fi
```

2.7 Package options

Plain format does not know package options.

```
443 \begingroup\expandafter\expandafter\expandafter\endgroup
444 \expandafter\ifx\csname @classoptionslist\endcsname\relax
445   \expandafter\pc@endinput
446 \fi
```

Process global and local options.

```
447 \def\pc@ProcessOptionsWithKV{%
448   \let\pc@temp\@empty
449   \@for\CurrentOption:=\@classoptionslist\do{%
450     \ifundefined{KV\pc@\CurrentOption}{-}{%
451       \edef\pc@temp{\pc@temp,\CurrentOption,%
452         \@expandtwoargs\@removeelement\CurrentOption
453         \@unusedoptionlist\@unusedoptionlist
454       }%
455     }%
456     \edef\pc@temp{%
457       \noexpand\pdfcryptsetup{%
458         \pc@temp\@optionlist{\@currname.\@current}%
459       }%
460     }%
461     \pc@temp
462 }
463 \pc@ProcessOptionsWithKV
464 \AtEndOfPackage{\let\@unprocessedoptions\relax}
465 \AtBeginDocument{\pc@set}
466
467 \pc@endinput
468 \</package>
```

3 Installation

3.1 Download

Package. This package is available on CTAN²:

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

[CTAN:macros/latex/contrib/oberdiek/pdfcrypt.pdf](https://ctan.org/ctan/latex/contrib/oberdiek/pdfcrypt.pdf) Documentation.

²CTAN:pkg/pdfcrypt

Bundle. All the packages of the bundle ‘oberdiek’ are also available in a TDS compliant ZIP archive. There the packages are already unpacked and the documentation files are generated. The files and directories obey the TDS standard.

[CTAN:install/macros/latex/contrib/oberdiek.tds.zip](#)

TDS refers to the standard “A Directory Structure for T_EX Files” ([CTAN:tds/tds.pdf](#)). Directories with `texmf` in their name are usually organized this way.

3.2 Bundle installation

Unpacking. Unpack the `oberdiek.tds.zip` in the TDS tree (also known as `texmf` tree) of your choice. Example (linux):

```
unzip oberdiek.tds.zip -d ~/texmf
```

Script installation. Check the directory `TDS:scripts/oberdiek/` for scripts that need further installation steps.

3.3 Package installation

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

```
tex pdfcrypt.dtx
```

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`.

3.4 Refresh file name databases

If your T_EX distribution (t_eT_EX, m_ikT_EX, ...) relies on file name databases, you must refresh these. For example, t_eT_EX users run `texhash` or `mktextlsr`.

3.5 Some details for the interested

Unpacking with L^AT_EX. The `.dtx` chooses its action depending on the format:

plain T_EX: Run `docstrip` and extract the files.

L^AT_EX: Generate the documentation.

If you insist on using L^AT_EX for `docstrip` (really, `docstrip` does not need L^AT_EX), 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 pdfL^AT_EX:

```
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 V_TE_X added.

[2001/07/19 v0.3]

- Bug fix: V_TE_X 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 pdfT_EX 1.00a.

[2001/08/09 v0.6]

- Support of special characters:
input: `\{`, `\}`, `\\` for `{`, `}`, `\`
output: " in V_TE_X
- 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

[2007/04/11 v0.9]

- Line ends sanitized.

[2007/04/26 v1.0]

- Use of package infwarerr.

[2016/05/16 v1.1]

- Documentation updates.

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; plain numbers refer to the code lines where the entry is used.

Symbols		
\"	215, 216	\@nameuse 149, 256
\#	323, 325	\@nil 298, 300, 306, 333, 339
\%	325	\@onlypreamble 431
\:	46, 47, 48, 49	\@optionlist 458
\@	3, 6	\@removeelement 452
\@PackageError	100, 118, 249, 252	\@secondoftwo 13, 21
\@PackageInfo	218, 435	\@sptoken 34, 46
\@PackageWarning	358, 421	\@undefined 153
\@PackageWarningNoLine	82, 87	\@unprocessedoptions 464
\@ReturnAfterFi	305, 310, 338	\@unusedoptionlist 453
\@classoptionslist	449	\@xdblarg 196, 197
\@current	458	\@xifnch 35, 48
\@currname	458	\\ 302, 316, 335
\@dblarg	196, 344	\ 315, 321
\@ehc	250, 253	
\@empty	75,	_ 314
	92, 206, 207, 220, 226, 248, 347, 448	
\@expandtwoargs	452	
\@firstoftwo	9, 19	A
\@for	449	\AtBeginDocument 465
\@gobble	71, 80	\AtEndOfPackage 464
\@ifnch	31, 33, 49	
\@ifnextchar	27, 55, 196	C
\@ifundefined		\catcode . . . 3, 6, 132, 215, 314, 315, 316
	17, 26, 53, 70, 74, 79, 95,	\csname 2, 8, 12, 16, 18,
	99, 114, 117, 131, 135, 144, 148,	64, 145, 149, 189, 365, 429, 434, 444
	157, 165, 173, 181, 195, 247, 450	\CurrentOption 449, 450, 451, 452
\@let@token	31, 34, 37, 49	
\@makeoether	132, 216	D
\@namedef	145	\DeclareOption 164, 166, 168
		\define@key . . . 371, 374, 377, 380, 383,
		386, 389, 392, 398, 405, 408, 411

\do	449	\pc@edittrue	212
E		\pc@endinput ...	83, 107, 124, 445, 467
\endcsname	2, 8, 12, 16, 18, 64, 145, 149, 189, 365, 429, 434, 444	\pc@ExecuteOptions	439, 441
\endinput	4	\pc@false	352, 369
\ExecuteOptions	172, 174, 176, 439, 441	\pc@KeyvalRestore	
F			152, 153, 159, 167, 175, 183, 194
\futurelet	31, 49	\pc@MakeVTeXString	289, 290, 297
G		\pc@nopdfcrypttrue	90
\g@addto@macro .	136, 159, 167, 175, 183	\pc@owner	
\gdef	49, 109, 126, 314, 420		206, 220, 223, 269, 279, 289, 406
I		\pc@printrtrue	210
\ifcase	97	\pc@ProcessOptionsWithKV ...	447, 463
\ifnum	116, 117, 261	\pc@ProvidesPackage	55, 56, 58
\ifpc@annotate .	204, 236, 274, 284, 294	\pc@set	217, 418, 419, 465
\ifpc@copy	202, 234, 272, 282, 292	\pc@set@pdftex	260
\ifpc@debug	205, 219	\pc@set@pdftexnew	264, 277
\ifpc@edit	203, 235, 273, 283, 293	\pc@set@pdftexold	262, 267
\ifpc@nopdfcrypt	85, 239, 245	\pc@set@vtex	287
\ifpc@print ...	201, 233, 271, 281, 291	\pc@spaceother	314, 337
\ifpc@set	200, 417	\pc@SpaceToOther	333, 339
\ifx	8, 12, 16, 18, 34, 37, 64, 86, 189, 220, 226, 248, 302, 335, 347, 350, 352, 357, 429, 434, 444	\pc@temp	215, 311, 346, 347, 348, 350, 352, 354, 357, 365, 448, 451, 456, 458, 461
\immediate	59, 288	\pc@true	348, 350, 368
\input	65, 190	\pc@user	207, 226, 229, 270, 280, 290, 409
\InputIfFileExists	440	\pc@Org@DeclareOption	164, 168
L		\pc@Org@ExecuteOptions	172, 176
\lowercase	346	\pc@Org@NeedsTeXFormat	156, 160
M		\pc@Org@ProcessOptions	180, 184
\MessageBreak		\pdfcrypt	268, 278
	103, 225, 231, 237, 360, 422	\pdfcryptsetup ..	80, 415, 420, 431, 457
N		\pdfoutput	97
\NeedsTeXFormat	156, 158, 160	\pdftexversion	261
\newif .	85, 200, 201, 202, 203, 204, 205	\ProcessOptions	180, 182, 184
\nopdfcrypt	86, 88, 240	\ProvidesPackage	54, 77
O		R	
\OpMode	116	\RequirePackage	67, 192
P		\reserved@a	29, 38
\pc@@boolkey	344, 345	\reserved@b	30, 40
\pc@@MakeVTeXString ...	298, 300, 306	\reserved@c	35, 38, 40, 43
\pc@annotatetrue	213	\reserved@d	28, 37
\pc@boolkey	344, 372, 381, 384, 387, 390, 393, 394, 395, 396, 399, 400, 401, 402, 412	S	
\pc@copytrue	211	\setkeys	416
\pc@DefString	406, 409	\space	88
\pc@driver	92, 109, 126, 242, 247, 248, 253, 256, 375, 378	\special	288
T		T	
V		\the	3, 139, 215
W		\toks@	138, 139
V		V	
W		\VTeXversion	117
W		W	
write		write	
		59	