

The pdfcrypt package

Heiko Oberdiek
<oberdiek@uni-freiburg.de>

2007/04/26 v1.0

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	2
1.1	Alternatives	2
1.2	Usage	2
1.2.1	Special characters	3
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	4
2.1	Help macros for plain- _T _E X	4
2.2	Package Identification and checks	5
2.3	Driver detection	5
2.4	Load package keyval	6
2.5	Define options	7
2.6	support of configuration file	11
2.7	Package options	11
3	Installation	12
3.1	Download	12
3.2	Bundle installation	12
3.3	Package installation	12
3.4	Refresh file name databases	12
3.5	Some details for the interested	12
4	History	13
[2001/04/02 v0.1]		13
[2001/07/19 v0.2]		13
[2001/07/19 v0.3]		13
[2001/07/19 v0.4]		13
[2001/08/05 v0.5]		13
[2001/08/09 v0.6]		13
[2001/10/28 v0.7]		14
[2006/02/20 v0.8]		14
[2007/04/11 v0.9]		14
[2007/04/26 v1.0]		14
5	Index	14

1 Documentation

This package allows the setting of pdf encryption options for

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

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

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

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

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 pdf \TeX (eg. version 1.00a-pretest-20010804):
pdf \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/teck/web2c/pdftexdir
src/teck/web2c/pdftexdir> ln -fs pdfcrypt-full.c pdfcrypt.c
```

Compile:

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

At last install the binary and pool files.

2 Implementation

```
1 (*package)
```

2.1 Help macros for plain-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 \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 [2007/04/26 v1.0 Setting pdf encryption (H0)]%
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 }%
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 }{}
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{%
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 \makeoother\"
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@vtex{%
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}{\relax}{\relax}%
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}{\relax}{%
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](#) The source file.

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

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:macros/latex/contrib/oberdiek/oberdiek-tds.zip](#)

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. Package attachfile2 comes with the Perl script pdfatfi.pl that should be installed in such a way that it can be called as pdfatfi. Example (linux):

```
chmod +x scripts/oberdiek/pdfatfi.pl
cp scripts/oberdiek/pdfatfi.pl /usr/local/bin/
```

3.3 Package installation

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

```
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 TeX distribution (TeX, mikTeX, ...) relies on file name databases, you must refresh these. For example, TeX users run texhash or mktexlsr.

3.5 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 .
```

²ftp://ftp.ctan.org/tex-archive/

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: \VTeXversion 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 pdf_TE_X.
- DTX framework.
- LPPL 1.3

[2007/04/11 v0.9]

- Line ends sanitized.

[2007/04/26 v1.0]

- Use of package infwarerr.

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

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