

# The holtxdoc package

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## Abstract

The package is used for the documentation of my packages in DTX format. It contains some private macros and setup for my needs. Thus do not use it. I have separated the part that may be useful for others in package hypdoc.

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## 1 No usage

Caution: *This package is not intended for public use!*

It contains the macros and settings to generate the documentation of my packages in CTAN:macros/latex/contrib/oberdiek/. Thus the package does not know anything about compatibility. Only my current packages' documentation must compile.

Older versions were more interesting, because they contained code to add hyperref's features to L<sup>A</sup>T<sub>E</sub>X's doc system, e.g. bookmarks and index links. I separated this stuff and made a new package hypdoc.

## 2 Implementation

```
1 (*package)
```

Package identification.

```
2 \NeedsTeXFormat{LaTeX2e}
3 \ProvidesPackage{holtxdoc}%
4   [2006/06/02 v0.7 Private additional ltxdoc support (H0)]
5 \RequirePackage[numbered]{hypdoc}
6 \RequirePackage{array}
```

### 2.1 Help macros

```
7 \def\hld@info#1{%
8   \PackageInfo{holtxdoc}{#1@gobble}%
9 }
10 \def\hld@warn#1{%
11   \PackageWarningNoLine{holtxdoc}{#1}%
12 }
```

### 2.2 History

```
13 \newcommand*\StartHistory{%
14   \section{History}%
15 }
16 \newcommand*\HistVersion[1]{%
17   \subsection*{%
18     \phantomsection
19     \addcontentsline{toc}{subsection}{[#1]}% hash-ok
20     [#1]% hash-ok
21   }%
22   \def\HistLabel##1{%
23     \begingroup
24       \edef\x{[#1]}% hash-ok
25       \let\@currentlabel\x
26       \label{##1}%
27     \endgroup
28   }%
29 }
30 \newenvironment{History}{%
31   \StartHistory
32   \def\Version##1{%
33     \HistVersion{##1}%
34     \itemize
35   }%
36   \let\endVersion\enditemize
37 }{}
```

### 2.3 Formatting macros

\UrlFoot

#1: text

#2: url

```
38 \newcommand{\URL}[2]{%
39   #1\footnote{Url: \url{#2}}%
40 }
```

\NameEmail

#1: name

#2: email address

```
41 \newcommand*\NameEmail[2]{%
42   \expandafter\hld@NameEmail\expandafter{#2}{#1}%
43 }
44 \def\hld@NameEmail#1#2{%
45   \expandafter\hld@@NameEmail\expandafter{#2}{#1}%
46 }
```

```

46 }
47 \def\hld@@NameEmail#1#2{%
48   \ifx\\#1#2\\%
49     \hld@warn{%
50       Command \string\NameEmail\space without name and email%
51     }%
52   \else
53     \ifx\\#1\\%
54       \href{mailto:#2}{\nolinkurl{#2}}%
55     \else
56       #1%
57     \ifx\\#2\\%
58     \else
59       \footnote{%
60         #1's email address: %
61         \href{mailto:#2}{\nolinkurl{#2}}%
62       }%
63     \fi
64   \fi
65 \fi
66 }

67 \newcommand*{\Package}[1]{\texttt{#1}}
68 \newcommand*{\File}[1]{\texttt{#1}}
69 \newcommand*{\Verb}[1]{\texttt{#1}}
70 \newcommand*{\CS}[1]{\texttt{\expandafter\@gobble\string\#1}}

71 \newcommand*{\CTAN}[1]{%
72   \href{ftp://ftp.ctan.org/tex-archive/#1}{\nolinkurl{CTAN:#1}}%
73 }

74 \newcommand*{\Newsgroup}[1]{%
75   \href{http://groups.google.com/group/#1}{\nolinkurl{news:#1}}%
76 }

77 \newcommand*{\xpackage}[1]{\textsf{#1}}
78 \newcommand*{\xclass}[1]{\textsf{#1}}
79 \newcommand*{\xoption}[1]{\textsf{#1}}
80 \newcommand*{\xfile}[1]{\texttt{#1}}
81 \newcommand*{\xext}[1]{\texttt{.#1}}
82 \newcommand*{\xemail}[1]{%
83   \textless\texttt{#1}\textgreater%
84 }
85 \newcommand*{\xnewsgroup}[1]{\texttt{#1}}

```

The following environment declcs is derived from environment decl of ltxguide.cls:

```

86 \newenvironment{declcs}[1]{%
87   \par
88   \addvspace{4.5ex plus 1ex}%
89   \vskip -\parskip
90   \noindent
91   \hspace{-\leftmargin}%
92   \def\M##1{\texttt{\{}\meta{##1}\texttt{\}}}%
93   \def\*{\unskip\,\texttt{*}}%
94   \begin{tabular}{|l|}%
95     \hline
96     \expandafter\SpecialUsageIndex\csname #1\endcsname
97     \cs{#1}%
98   }\%
99   \\
100   \hline
101   \end{tabular}%
102   \nobreak
103   \par

```

```

104 \nobreak
105 \vspace{2.3ex}%
106 \vskip -\parskip
107 \noindent
108 \ignorespacesafterend
109 }

```

## 2.4 Names

```

110 \providecommand*\eTeX{\mbox{$\varepsilon$-TeX}}
111 \providecommand*\pdfTeX{\pdf\TeX}
112 \providecommand*\pdfLaTeX{\pdf\LaTeX}
113 \providecommand*\teTeX{\te\TeX}
114 \providecommand*\mikTeX{\mik\TeX}
115 \providecommand*\MakeIndex{\textsl{MakeIndex}}
116 \providecommand*\docstrip{\textsf{docstrip}}
117 \providecommand*\plainTeX{\mbox{plain-TeX}}
118 \providecommand*\VTeX{V\TeX}

```

## 2.5 Setup

### 2.5.1 Package doc

```

119 \CodelineIndex
120 \EnableCrossrefs
121 \setcounter{IndexColumns}{2}

122 \DoNotIndex{\begingroup,\endgroup,\bgroup,\egroup}
123 \DoNotIndex{\def,\edef,\xdef,\global,\long,\let}
124 \DoNotIndex{\expandafter,\noexpand,\string}
125 \DoNotIndex{\else,\fi,\or}
126 \DoNotIndex{\relax}

```

### 2.5.2 Page layout

```

127 \addtolength{\textheight}{\headheight}
128 \addtolength{\textheight}{\headsep}
129 \setlength{\headheight}{0pt}
130 \setlength{\headsep}{0pt}

131 \addtolength{\topmargin}{-10mm}
132 \addtolength{\textheight}{20mm}

133 \end{package}

```

## 3 Installation

### 3.1 Download

**Package.** This package is available on CTAN<sup>1</sup>:

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

[CTAN:macros/latex/contrib/oberdiek/holtxdoc.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](#)

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

---

<sup>1</sup><http://ftp.ctan.org/tex-archive/>

### 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 holtxdoc.dtx
```

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

```
holtxdoc.sty → tex/latex/oberdiek/holtxdoc.sty
holtxdoc.pdf → doc/latex/oberdiek/holtxdoc.pdf
holtxdoc.dtx → source/latex/oberdiek/holtxdoc.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 (`teTeX`, `mikTeX`, ...) relies on file name databases, you must refresh these. For example, `teTeX` 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 holtxdoc.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 intention:

```
latex \let\install=y\input{holtxdoc.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<sup>A</sup>T<sub>E</sub>X:

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

## 4 History

[1999/06/26 v0.3]

- ...

[2000/08/14 v0.4]

- ...

[2001/08/27 v0.5]

- ...

[2001/09/02 v0.6]

- ...

[2006/06/02 v0.7]

- Major change: most is put into a new package `hypdoc`.

## 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.

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