

listbls — Creates a list of all labels used throughout a document*

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Abstract

This is a package meant to help a L^AT_EX-writer to keep track all the defined labels by typesetting a complete list of labels wherever the author requests it. Keep in mind, that you might need to have additional L^AT_EX runs to get the references right.

This package is based on an answer DAVID CARLISLE gave on [T_EX-Stackexchange](#) in the thread [List of all labels with hyperlinks](#).

1 Installation

1. Check out the sourcecode from [GitHub](#):
`git clone git@github.com:NobbZ/listbls.git`
2. Switch to the source-folder:
`cd listbls`
3. Checkout the branch/tag you desire: `master` for latest release, `develop` for latest builds (might be broken) or the version number desired.
`git checkout <branch/tag>`
4. Compile the document using `make`:
`make all`
5. You can do either a user-installation or a system-wide installation:

`user: make inst`
`system: make install` (will ask for root!)

Alternatively you might find the package at CTAN and download it. Instead of `git clone` you had to download the package, unzip it, change into that folder and then continue with compilation (step 4 above).

2 Usage

2.1 Initialization

Just activate the package as usual: `\usepackage[options]{listbls}`

`draft` If `draft` is given as option, `\listoflabels` will typeset the list of labels.

`final` If `final` is given as option, `\listoflabels` will do nothing.

Then anywhere in your document, you can use the `\listoflabels`-macro to typeset a list of labels. An example can be seen on page [3](#).

`\label` Use `\label` as you are used to it!

`\listoflabels` This macro will typeset the list of labels when this module is in draft mode.

*This file describes version v1.01, last revised 2014/07/25.

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3 Implementation

```

1 <*package>

draft Check for draft-option:
2 \DeclareOption{draft}{\newcommand{\@draftmode{true}}}

final Check for final-option:
3 \DeclareOption{final}{\let\@draftmode=\@undefined}

Process the options:
4 \ProcessOptions\relax

\@findlabel No explanation yet.
5 \long\def\@findlabel#1#2\@findlabel{%
6   \ifx\newlabel#1\lablist\expandafter{\the\lablist\@showlabel#2}\fi}

\@showlabel No explanation yet.
7 \def\@showlabel#1#2{%
8   \par\noindent Label: \texttt{\detokenize{#1}}\dotfill\ref{#1} on page \pageref{#1}}

9 \newtoks\lablist
10 \newread\zz
11 \immediate\openin\zz=\jobname.aux
12 \loop
13 \ifeof\zz\else
14 \read\zz to \tmp
15 \expandafter\@findlabel\tmp\relax\@findlabel
16 \repeat
17 \ifdefined\@draftmode

\listoflabels Print a list of all available labels that are defined throughout the document.
18 \newcommand\listoflabels{%
19   \the\lablist}

20 \else
21   \let\listoflabels=\relax
22 \fi
23 \endinput
24 </package>

```

4 Change History

1.01		v1.01
final: Added option	2	General: Changed maintainer email . . . 1
draft: Added option	2	Changed some internal stuff to make
		it releaseable on CTAN 1
v1.00		
General: First public release	1	

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	\@undefined 3	draft (option) 2
\@draftmode 2, 3, 17		
\@findlabel 5, 15	D	F
\@showlabel 6, 7	draft (option) 1	final (option) 1

final (option)	<u>3</u>	\lablist	6, 9, 19		O
				option:	
	L			draft	1, <u>2</u>
\label	1	\listoflabels . . .	1, <u>18</u> , 21	final	1, <u>3</u>

6 List of Labels

Label: sec:install 1 on page 1
Label: sec:usage 2 on page 1
Label: ssec:use-init 2.1 on page 1
Label: sec:lolabels 6 on page 3