

# The BibTopicPrefix-package\*

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## Abstract

This package provides a way to prefix references from bibliographies produced by the `bibtopic` package[2].

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## 1 Introduction

Suppose you want to split your literature in your document into parts (this can be done with the `bibtopic` package) and you want to make this split visible in the references in the document.

This package loads `bibtopic` with the right option and then defines a command `\bibprefix` which should be used inside the `btSect` environment, whose argument is inserted before every reference (e. g. [1] becomes [*prefix*]1).

## 2 Usage

`\bibtopic` Add an `\usepackage{bibtopicprefix}` to your document and insert the command `\bibprefix{<prefix>}` at the start of every `btSect` environment.

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\*The version number of this file is v1.10, last revised 2006/10/22.

```

\begin{btSect}{adlit}
  \renewcommand{\bibprefix}{AD}
  \section{Applicable Documents}
  \btPrintCited
\end{btSect}
\begin{btSect}{rdlit}
  \renewcommand{\bibprefix}{RD}
  \section{Reference Documents}
  \btPrintCited
\end{btSect}

```

The package works of course best with bibliography styles that produce numerical references (like plain).

### 3 Required packages

This package requires the following package:

`bibtopic`<sup>[2]</sup> It is loaded with the right option so that all bibliographies are numbered independently.

`scrfile`<sup>[4]</sup> This is used internally to handle the `hyperref`<sup>[3]</sup> package.

## 4 The implementation

```
1 <*package>
```

### 4.1 Loading packages

We need the `scrfile` package<sup>[4]</sup>.

```
2 \RequirePackage{scrfile}
```

We need the `bibtopic` package<sup>[2]</sup> and we have to use the `sectcntreset` option to number every bibliography separately.

```
3 \RequirePackage[sectcntreset]{bibtopic}
```

### 4.2 The macros

`\bibprefix` `\bibprefix` defines the prefix for all references henceforce.

```
4 \newcommand{\bibprefix}{}
```

`\@bibitem` We want to redefine `\bibitem` to add our prefix. To do this we need to distinguish three cases: the use of the `hyperref` package, the use of the `babel` package and the default.

We handle the `hyperref` package by activating our code after `hyperref` with the help of `\AfterPackage*` from `scrfile`.

```

5 \AfterPackage*{hyperref}{%
6   \CheckCommand*\@bibitem}[1]{%
7     \skiphyperreftrue\H@item\skiphyperreffalse
8     \Hy@raisedlink{%
9       \hyper@anchorstart{cite.#1}\relax\hyper@anchorend}%
10    \if@filesw

```

```

11     \begingroup
12     \let\protect\noexpand
13     \immediate\write\@auxout{%
14         \string\bibcite{#1}{%
15             \the\value{\@listctr}}%
16     }%
17     \endgroup
18     \fi
19     \ignorespaces
20 }%
21 \renewcommand*{\@bibitem}[1]{%
22     \@skiphyperreftrue\H@item\@skiphyperreffalse
23     \Hy@raisedlink{%
24         \hyper@anchorstart{cite.#1}\relax\hyper@anchorend}%
25     \if@filesw
26         \begingroup
27         \let\protect\noexpand
28         \immediate\write\@auxout{%
29             \string\bibcite{#1}{%
30                 \bibprefix\the\value{\@listctr}}%
31         }%
32         \endgroup
33     \fi
34     \ignorespaces
35 }%
36 }%

```

If hyperref is not used, we must distinguish between babel and the default. babel saves \@bibitem as \org@bibitem, so we have to redefine that.

```

37 \ifpackageloaded{hyperref}{}%
38 \ifpackageloaded{babel}
39     {%
40         \CheckCommand*\org@bibitem}[1]{%
41             \item\if@filesw \immediate\write\@auxout
42                 {\string\bibcite{#1}{%
43                     \the\value{\@listctr}}}%
44             \fi\ignorespaces
45         }%
46         \renewcommand*\org@bibitem}[1]{%
47             \item\if@filesw \immediate\write\@auxout
48                 {\string\bibcite{#1}{%
49                     \bibprefix\the\value{\@listctr}}}%
50             \fi\ignorespaces
51         }%
52     }{%
53         \CheckCommand*\@bibitem}[1]{%
54             \item\if@filesw \immediate\write\@auxout
55                 {\string\bibcite{#1}{%
56                     \the\value{\@listctr}}}%
57             \fi\ignorespaces
58         }%
59         \renewcommand*\@bibitem}[1]{%
60             \item\if@filesw \immediate\write\@auxout

```

```

61         {\string\bibcite{#1}{%
62           \bibprefix\the\value{\@listctr}}}%
63         \fi\ignorespaces
64       }%
65     }%
66   }

```

`\@biblabel` We redefine `\biblabel` to add our prefix.

```

67 \renewcommand*{\@biblabel}[1]{[\bibprefix#1]}

```

```

68 \endpackage

```

## 5 Acknowledgements

Development of this package was financed by the von Hoerner & Sulger GmbH.

## References

- [1] Johannes Braams `Babel`, a multilingual package for use with L<sup>A</sup>T<sub>E</sub>X's standard document classes CTAN:tex-archive/macros/latex/required/babel/.
- [2] Pierre Basso and Stefan Ulrich `bibtopic.sty` CTAN:tex-archive/macros/latex/contrib/bibtopic/.
- [3] Sebastian Rahtz and Heiko Oberdiek Hypertext marks in L<sup>A</sup>T<sub>E</sub>X CTAN:tex-archive/macros/latex/contrib/hyperref/.
- [4] Markus Kohm `scrfile.sty` Part of KOMA-Script. CTAN:tex-archive/macros/latex/contrib/koma-script/.

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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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## Change History

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