

Lucide Admonitions

version 0.1

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Provides environments for rendering admonition boxes in multiple languages.

Note

The source code and documentation are available at GitHub repository^a.

^a<https://github.com/priiduonu/lucide-admonitions>

1 Installation

The package can be installed via CTAN or manually.

If your T_EX distribution provides `lucide-admonitions`, install it using your package manager (e.g. `tlmgr` for T_EX Live or the MiK_TE_X console).

Alternatively, download the package files from the repository and place them in a directory where L^AT_EX can find them, for example:

- in the same directory as your document, or
- in a local or user `texmf` tree

After installation, update the filename database if necessary (e.g. by running `texhash` or `mktexlsr`).

2 Dependencies

The `tcolorbox` (with `skins` and `breakable` libraries), `xcolor`, `translations`, `lucide-icons` packages are required and loaded by the package.

3 Usage

Load the package in the document preamble:

```
\usepackage[<options>]{lucide-admonitions}
```

Use any of the predefined admonition environments (see Section 5) in the document body:

```
\begin{AdmonitionNote}  
...  
\end{AdmonitionNote}
```

4 Package options

One or more of the following options may be specified, separated by commas:

- `breakable` – allow admonition boxes to break across pages (default: `false`).
- `titles` – display the box type as a title next to the icon (default: `false`).


If the `titles` option is set, the admonition boxes include the default title:

Example

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Without the `titles` option, the default title is not displayed:

 Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

5 Admonition types

The following types are defined, combining those available in MkDocs and Zensical:

 **Note**

This is Note

 **Attention**

This is Attention

 **Caution**

This is Caution

 **Warning**

This is Warning

 **Danger**

This is Danger

 **Error**

This is Error

 **Hint**

This is Hint

 **Important**

This is Important

**Tip**

This is Tip

**Abstract**

This is Abstract

**Info**

This is Info

**Success**

This is Success

**Question**

This is Question

**Failure**

This is Failure

**Bug**

This is Bug

**Example**

This is Example

**Quote**

This is Quote

6 Custom titles


You may add a custom title as an optional parameter to the environment:

```
\begin{AdmonitionNote}[Custom title]
...
\end{AdmonitionNote}
```

The custom title will override the default title when provided, and will appear even if the `titles` option is not set.

Tip

You can use an empty custom title to prevent the title from appearing even if the `titles` option is set.

 This box has an empty custom title

7 Changing existing types

Existing admonition boxes can be redefined using the `\renewenvironment` command.

Example:

```
\renewenvironment{AdmonitionNote}
{\begin{AdmonitionBase}{\lucideicon{pen}}{blueColor}{Idea}}
{\end{AdmonitionBase}}
```

You can change the icon, color and default title as needed.

8 Adding new types

You can define new types of admonition boxes using the `\newenvironment` command:

```
\newenvironment{<AdmonitionType>}
{\begin{AdmonitionBase}{\lucideicon{<icon>}}{<color>}{<title>}}
{\end{AdmonitionBase}}
```

Example:

```
\newenvironment{AdmonitionRemark}
  {\begin{AdmonitionBase}\lucideicon{pen}}{Plum}{Remark}}
  {\end{AdmonitionBase}}
```

This results in:

 **Remark**

This is remark

 **Tip**

If extended color names are required (e.g. dvipsnames, svgnames), load xcolor with the desired options before this package.


9 Styling

Although Zensical provides slightly different colors for each type, `lucide-admonitions` has reduced the palette to six colors. This does not prevent you from adding new types or redefining existing ones with your own colors.

It also replaces some icons used by Zensical to achieve a more consistent visual style.

The boxes honor the `\parindent` and `\parskip` values specified by the `\documentclass`, with the exception of the first paragraph, which is always unindented (as in standard \LaTeX `\section`).

If a box has a title, the left and right margins inside the box are equal. Boxes without a title have a wider left margin so that the text aligns with the position where the title would normally appear. See Section 4 for comparison.

 The package has been tested with both standard \LaTeX and KOMA-Script classes.

10 Multilingual support

This package requires the `translations` package for multilingual support.

When using `babel` or `polyglossia`, the default box titles are automatically translated according to the currently active language.

If no translation is available for the selected language, the titles default to English.

Examples for the "Abstract" admonition box:

 **Abstract**

English

 **Kokkuvõte**

Estonian

 **Résumé**

French

 **Zusammenfassung**

German

The package provides the following translations:

- English
- Estonian
- French
- German

You are welcome to add support for additional languages by submitting a pull request to the package GitHub repository.

11 Acknowledgements

This package was inspired by the look of Zensical admonitions¹.

It uses the Lucide icon set², which has been packaged for L^AT_EX in the lucide-icons package³ by Cédric Pierquet.

The box environments are built using the tcolorbox package⁴ by Thomas F. Sturm.

The box titles are automatically translated using the translations package⁵ by Clemens Niederberger.

The box colors are defined using the xcolor package⁶ by Dr. Uwe Kern.

¹<https://zensical.org/docs/authoring/admonitions/>

²<https://lucide.dev>

³<https://ctan.org/pkg/lucide-icons>

⁴<https://ctan.org/pkg/tcolorbox>

⁵<https://ctan.org/pkg/translations>

⁶<https://www.ctan.org/pkg/xcolor>