

The `callouts-box` Package

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1 Introduction

The `callouts-box` package provides a collection of visually appealing, structured callout boxes for \LaTeX documents. These boxes are useful for highlighting important information such as warnings, errors, notes, and success messages. The package is built on top of `tcolorbox` for highly customizable, breakable callout boxes and `xcolor` for predefined color schemes.

Note

This package simplifies the creation of callout boxes in \LaTeX documents, making them more readable and visually structured.

2 Installation

To install the `callouts-box` package, place the following files in your \LaTeX directory:

- `callouts-box.sty` (Core functionality and environment definitions)

- `callouts-box-colors.sty` (Predefined color definitions for callouts)

Then, include the package in your document preamble:

```
\usepackage{callouts-box}
```

3 Usage

`warningbox` (*env.*) The package provides four predefined callout box environments: Each environment

`errorbox` (*env.*) takes an optional argument for the box title. If no title is provided, a default title

`notebox` (*env.*) is used.

`successbox` (*env.*)

```
\begin{warningbox}[Custom Warning Title]
```

```
  This is a warning message.
```

```
\end{warningbox}
```

```
\begin{errorbox}
```

```
  This is an error message.
```

```
\end{errorbox}
```

```
\begin{notebox}[Important Note]
```

```
  This is a note.
```

```
\end{notebox}
```

```
\begin{successbox}
```

```
  This is a success message.
```

```
\end{successbox}
```

3.1 Basic Examples

Here are some examples of how to use the predefined callout boxes:

Custom Warning Title

This is a warning message.

Error

This is an error message.

Important Note

This is a note.

Success

This is a success message.

3.2 Advanced Examples

You can nest callout boxes inside each other:

Outer Warning

This is an outer warning message.

Nested Note

This is a nested note inside a warning.

You can add equations, lists, or images inside callout boxes:

Success with Equation

The famous Pythagorean theorem:

$$a^2 + b^2 = c^2$$

Note with List

Key points to remember:

- Callout boxes can contain lists.
- They can also include images.

3.3 Customization

Users can modify the visual appearance of callout boxes by editing `callouts-box-colors.sty` or overriding the `tcbset` settings in their document. More documentation can be found at : <https://ctan.org/pkg/tcolorbox>.

3.3.1 Code exemle

To adjust layout settings, use the `tcbset` command:

```
{
\tcbset{
  boxsettings/.style={
    boxrule=2pt, arc=20pt,
    left=10pt, right=10pt, top=10pt, bottom=10pt,
    boxsep=10pt, before skip=15pt, after skip=15pt,
    breakable, before upper={\ignorespaces},
    boxrule=2pt, arc=8pt,
    colframe=black, colback=yellow!10,
  }
}
```

```

\begin{notebox}[Style Note]
  Style Note
\end{notebox}
}

```

3.3.2 Result

Test Note

Note with custom style

4 License

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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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<code>errorbox</code> <i>2</i>	<code>errorbox</code> (env.) <i>2</i>	
<code>notebox</code> <i>2</i>	N	W
<code>successbox</code> <i>2</i>	<code>notebox</code> (env.) <i>2</i>	<code>warningbox</code> (env.) <i>2</i>