

LectureDoc2 Cheat Sheet

Information

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Admonitions

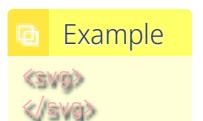
Standard reStructuredText admonitions: attention, caution, danger, error, hint, important, note, tip and warning

LectureDoc2 specific admonitions: background, definition, proof, theorem, lemma, conclusion, observation, remark, summary, legend, repetition, question, answer, remember, deprecated, assessment, and example.

Generic Admonition with Custom Title This is a generic admonition.	Background This is a background admonition.	Remark This is a remark admonition.	Deprecated This is a deprecated admonition.
▲ Attention! This is an attention admonition.	Definition This is a definition admonition.	Example This is an example admonition.	Assessment This is an assessment admonition.
Caution! This is a caution admonition.	Definition: A Definition with a very long title that spans multiple lines This is a definition admonition.	Summary This is a summary admonition.	Note This is a note. Notes are floated to the right w.r.t. the content that follows the note.
∅ !DANGER! This is a danger admonition.	Proof This is a proof admonition.	Repetition This is a repetition admonition.	Tip This tip is shown below the note because the class clear-float is used to clear the float of the note.
Error This is an error admonition.	Theorem This is a theorem admonition.	Question This is a question admonition.	Example 1 .. note:: 2 This is a note. 3 .. tip:: 4 :class: clear-both 5 6 This tip is shown ... 7
✗ Hint This is a hint admonition.	Lemma This is a lemma admonition.	Answer This is an answer admonition.	Remember This is a remember admonition.
!! Important This is an important admonition.	Conclusion This is a conclusion admonition.	Observation This is an observation admonition.	
💡 Tip This is a tip admonition.			
⚠ Warning This is a warning admonition.			

SVGs

SVGs can easily be embedded and animated.



Vertical Titles

Add the class `vertical-title` to rotate the title and to change the layout of the slide to a column-based layout. To get back to a row based layout add a container with the class `width-100`.

```
... class:: vertical-title  
  
<Slide Title>  
-----  
  
... container:: width-100  
  
<Row based content layout.>
```

Slide Tweaks

Slide without Title

To hide the title of a slide assign the class `no-title`.

Vertically Centered Content

Use the class `center-content`.

```
... class:: center-content  
      no-title
```

Hidden on the slide!

<Slide Content>

Sections and Subsections

Create a slide that marks the beginning of a new section or subsection by adding the class `new-section` or `new-subsection` to the slide.

Exercises and Solutions

Associate the class `exercises` with a slide to indicate that the slide contains an exercise.

Use the directive `... exercise::` to add an exercise. To add a solution use the custom directive `... solution::` inside of an exercise block and specify the password (optional) using the attribute `:pwd::`.

Example (Solution in supplemental information)

```
... exercise:: <Title>
```

<Description of the exercise.>

```
... solution:: <Title>
```

:pwd: 1234

<Solution>

You can configure a master-password using meta information:

```
... meta::
```

:master-password: <Master-password>

Table of Contents

A navigable table of contents can be created using standard `rst` techniques.

Example

Table of Contents

- `Section 1 Title`_
- `Subsection 1.1 Title`_

Footnotes

[#]_ and .. [#] create footnotes.

Test\ [#]

```
... [#] `test.org`
```

Explicit Footers

A container with the class `footer-left`, `footer-right` or `block-footer`.

References

Use standard `rst` references.

Example

```
...  
Like described in [Eic24]_ ...  
...
```

References

```
... [Eic24] LectureDoc2; 2024
```

Copy to Clipboard

Add `copy-to-clipboard` to a code block to enable copying code to the clipboard.

Example

```
.. code:: java
:class: copy-to-clipboard

public static void main(...)
```

Fade-out Content

Add the class `fade-out` to a container to whiten the content.

Supplemental Information

Use the directive `supplemental` for respective information.

Example

```
.. supplemental::
```

```
<Text>
```

Text Alignment

Control text alignment: `text-align-[left|center|right]`

Images

Adding a drop-shadow and rounded corners: `picture`.

Tables

The layout can be adapted using: `compact`, `compact-cells`, `no-table-borders`, `no-inner-borders`, `no-column-borders`, `fake-header [-2nd]-row` and `fake-header [-2nd]-column`.

Animation

`incremental` (and `wobble`).

`highlight-line-on-hover` (always usable), `highlight-on-hover` (explicit column or row headers are not supported) or `highlight-identical-cells`

Lists

■ `list-with-explanations` renders text paragraphs of list items less pronounced.

(As shown here.)

■ Use `impressive` to make the list more impressive:

■ Add `negative-list` to use " ! " for bullet points.

■ Add `positive-list` to use " ✓ " for bullet points.

Example

- Point 1

```
.. class:: negative-list list-with-explanations
```

- Point 2

Some on-slide explanation.

```
.. class:: positive-list
```

- Point 3

Decorations

`line-above` draws a horizontal lines.

`box-shadow` adds a shadow.

`rounded-corners` the corners will be rounded.

Example

```
.. container:: margin-top-1em  
    line-above  
    padding-top-1em  
    box-shadow
```

Font Styling

"rem" based relative sizes: xxl, huge, large, small, footnotesize, scriptsize, tiny, x-tiny, xx-tiny

"em" based relative sizes: larger, smaller, far-smaller

Font weight: bold, light, thin

Font family: monospaced, serif

Font style: italic

Slide Transitions

Available slide transitions: transition-move-left, transition-scale, transition-fade, transition-move-to-top

Example

```
.. class:: transition-move-left
```

```
<Slide Title>  
-----
```

Revealing Slide Content

All elements with the class `incremental` are revealed incrementally.

Example

```
.. class:: incremental
```

- Item 1 - Part 1
`:incremental: Item 1 - Part 2`
- Item 2

Column-based Layouts

Use `two-columns` and `three-columns` for respective layouts.

Example

```
.. container:: two-columns
```

```
    .. container:: column no-separator
```

```
        <Column 1>
```

```
    .. container:: column
```

```
        <Column 2>
```

Add `no-default-width` to the root container for content based column widths. Use class `no-separator` on the left column to remove the separator.

Stacked Layouts

Stacked layouts are based on nested layers. Each layer - except of the first one - needs to have the class `incremental` and/or the class `overlay` for transparent layers. (Up to 10 layers are supported.) To turn off the numbering of opaque layers use `.no-number`.

Images in Stacked Layouts

To avoid that a parent element of a floating element is collapsed add the class `clearfix` to the parent element; i.e., when a layer just contains a floating image.

Example

```
... deck::  
... card:: clearfix  
... image:: <p1.svg>  
    :align: left  
... card:: overlay  
... image:: <p2.svg>  
... card:: warning
```

Semantic-based Text Markup

`peripheral`: for less important text. `obsolete`: for obsolete statements. `ger`: to markup German Words.
`eng`: to markup English words.

Box sizes

Use `width-100%` and `width-75%` to control the width of a container.

Colors (roles)

Font Colors

red, gray, light-gray, blue, green, orange, black, shiny-green, shiny-red, dark-red

Background Colors

red-background, dhw-red-background, dhw-light-gray-background, white-background,
blue-background, light-green-background, green-background, yellow-background

Example

```
:dhw-red: Red Text.
```

Fine-grained Control (Try to avoid!)

```
margin-none, margin-0-5em, margin-1em, margin-top-1em, margin-top-2em, margin-bottom-1em,  
margin-bottom-2em, margin-right-1em, margin-left-1em, padding-none, padding-0-5em,  
padding-1em, padding-top-1em, padding-top-2em
```

Hiding slides (⚠ rst2Id only)

Use `hide-slide` to exempt it from slide generation.

Example

```
... class:: hide-slide
```

```
<Hidden Slide >
```

Configuration

LectureDoc meta information:

`id` The unique identifier for the slide set. Required to store the current state of the presentation.

`slide-dimensions` the slides dimension (default: "1920x1200").

`first-slide` Determines the first slide that is shown (e.g., <Slide Number> or "last-viewed").

Example

```
.. meta::  
:id: <unique id>  
:slide-dimensions: 2560x1440  
:first-slide: last-viewed
```

Cheat Sheets with LD²

A cheat-sheet is a slide with the class `cheat-sheet-8-columns`.

Template

```
.. class:: cheat-sheet-8-columns  
  
<Title>  
-----  
  
.. container:: cheat-sheet-block  
  
.. rubric:: <TOPIC>  
  
.. rubric:: <SUB-TOPIC>
```

Useful Role and Substitution Definitions

Template

```
.. role:: incremental  
.. role:: eng  
.. role:: ger  
.. role:: peripheral  
.. role:: obsolete  
.. role:: red  
.. role:: gray  
.. role:: light-gray  
.. role:: blue  
.. role:: green  
.. role:: orange  
.. role:: shiny-green  
.. role:: shiny-red  
.. role:: dark-red  
.. role:: black  
  
.. role:: raw-html(raw)  
:format: html
```

Links

DocUtils (rst reStructuredText)

Example Slide Sets

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.. role:: orange  
.. role:: shiny-green  
.. role:: shiny-red  
.. role:: dark-red
```

```
.. role:: black  
  
.. role:: raw-html(raw)  
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```

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.. role:: raw-html(raw)
:format: html
```