

# LectureDoc2 Cheat Sheet

## Information

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**Version:** Work in Progress

## 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.

<div>Generic Admonition with Custom Title</div> <div>This is a generic admonition.</div>	<div> Background</div> <div>This is a background admonition.</div>	<div> Remark</div> <div>This is a remark admonition.</div>	<div>Deprecated</div> <div>This is a deprecated admonition.</div>
<div> Attention!</div> <div>This is an attention admonition.</div>	<div> Definition</div> <div>This is a definition admonition.</div>	<div> Example</div> <div>This is an example admonition.</div>	<div> Assessment</div> <div>This is an assessment admonition.</div>
<div>Caution!</div> <div>This is a caution admonition.</div>	<div> Definition: A Definition with a very long title that spans multiple lines</div> <div>This is a definition admonition.</div>	<div> Summary</div> <div>This is a summary admonition.</div>	<h3>Support for Notes</h3> <p>Text above the note.</p> <p>Notes are floated to the right w.r.t. the content that follows the note.</p> <div> Note</div> <div>This is a note.</div>
<div> !DANGER!</div> <div>This is a danger admonition.</div>	<div> Proof</div> <div>This is a proof admonition.</div>	<div> Legend</div> <div>This is a legend admonition.</div>	
<div>Error</div> <div>This is an error admonition.</div>	<div> Theorem</div> <div>This is a theorem admonition.</div>	<div> Repetition</div> <div>This is a repetition admonition.</div>	
<div> Hint</div> <div>This is a hint admonition.</div>	<div>Lemma</div> <div>This is a lemma admonition.</div>	<div> Question</div> <div>This is a question admonition.</div>	<div> Tip</div> <div>This tip is shown below the n because the class <code>clear-fl</code> used to <i>clear the float</i> of the r</div>
<div> Important</div> <div>This is an important admonition.</div>	<div> Conclusion</div> <div>This is a conclusion admonition.</div>	<div> Answer</div> <div>This is an answer admonition.</div>	<div> Example</div> <pre>1 .. note:: 2     This is a note. 3 4 Text that is left of t 5 6 .. tip:: 7     :class: clear-float 8 9     This tip is shown .</pre>
<div> Tip</div> <div>This is a tip admonition.</div>	<div> Observation</div> <div>This is an observation admonition.</div>	<div> Remember</div> <div>This is a remember admonition.</div>	
<div> Warning</div> <div>This is a warning admonition.</div>			

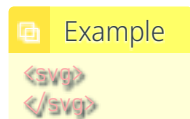
## Most basic Example

```
.. definition:: A Definition with a very long title that spans multiple lines
```

This is a definition 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

## 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
```

Text

## 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

<Content>
```

## 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-gray-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 (⚠ rst2ld 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 LD<sup>2</sup>

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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