

reStructuredText to LectureDoc² (`rst2ld`)

rst2ld enables the conversion of lecture slides authored
in **reStructuredText** to **LectureDoc2** format.

Version: August 22nd, 2024

Getting Started - Setup a Project

1. create a directory in which you want to store your slides; e.g., `mkdir slides`
2. change to the directory: `cd slides`
3. initialize git: `git init`
4. add the *LectureDoc2* and *restructuredTextToLectureDoc2* projects as submodules:
 - `git submodule add https://github.com/delors/LectureDoc2`
 - `git submodule add
https://github.com/delors/reStructuredTextToLectureDoc2`

Getting Started - Optional

1. add a script to (automatically) generate slides (e.g., <https://github.com/Delors/Lectures/blob/main/generate-htmls.zsh>)
2. add `docutils.conf` (e.g., <https://github.com/Delors/Lectures/blob/main/docutils.conf>) when necessary ; i.e., if you have mathematical (`.. math: :`) expressions in your slides and want to refer to a specific version of MathJax.
3. add a `docutils.defs` (e.g., [https://github.com/Delors/Lectures/blob/main/docutils-shared.defs](https://github.com/Delors/Lectures/blob/main/docutils.shared.defs)) when you want to create a lecture material and want to (re)use a large number of usefull definitions across multiple documents.

(You need to explicitly import the document in each presentation using: `.. include:: docutils.defs` - adapt the path if necessary).

4. add `.gitignore` file with `*.rst.html` if you don't want to archive the generated web pages

Generating PDFs

In general, PDFs are generated by converting the HTML files to PDFs using a browser. As of 2024, Safari has the best support for printing HTML to PDF (don't use the `Export as PDF . . .` feature; use `Print → PDF`). Chrome works in most cases reasonably well, Firefox often fails miserably.

A script (<https://github.com/Delors/Lectures/blob/main/generate-pdfs.zsh>) for generating PDFs using Safari (tested on Mac OS 26 (Tahoe)) is available. This script requires that LectureDoc is found in the `LectureDoc2` subfolder. This script basically automates Safari by simulating user input. Hence, don't use your Mac while the script is running.