

# Presentation with/of the `latex-maven-plugin`

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October 25, 2023

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a.ifclassloadedbeamerab

# Purpose

The purpose is twofold:

- Give an overview over the plugin
- Demonstrate that the plugin can compile the beamer class

The purpose is not to replace the manual [Rei].

# Purpose

Automatically create documents from LaTeX sources during the Maven site phase

- Output formats comprise PDF, DVI, XDV, (X)DOC, ODT, TXT and (X)HTML
- Allows typical graphic formats native to TEX (like EPS and metapost) or to the package graphicx.
- Includes bibliography, indices, glossaries and execution of program code.
- Furthermore, displays warnings if there is a hint that the result is not optimal. In particular checks for rerun, warnings and under/overfull boxes.

# Ant and Maven

Automatically create documents from LaTeX sources during the Maven site phase and in an ant run.

# Supported IO

- Supports many output formats like PDF, DVI, HTML, DOCX, RTF, TXT and others.
- Supports many graphical input formats like PNG, MP, FIG, gnuplot. Also provides a separate goal creating them, `grp`.
- Support of bibliography, index, glossary and embedded code. In particular supports split index.

# Checks

Automatically create documents from LaTeX sources during the Maven site phase

- Perform checks with `chktex` and logs the result.
- Performs version checks on used tools.
- Perform checks on sources and results and log files.
- Allows check whether a document could have been reproduced.





# Planned Features

- Support biber replacing bibtex as preferred tool
- Support xindy replacing makeindex as preferred tool
- Support bib2gls replacing makeglossary as preferred tool
- Execute glosstex if needed
- Usage of the multibib macros
- ...

# References I



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*Manual for the latex-maven-plugin and for an according ant-task,  
Version X.Y.*

The current version is available at

<http://www.simuline.eu/LatexMavenPlugin/manualLMP.pdf>.