

Mylyn Docs

...and how it can be a powerful tool



eclipsecon Europe

Ludwigsburg, Germany, 3 - 5 November 2015

About me

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- * Consultant & Senior Software Developer at Itema AS
- * Committer at Mylyn Docs, Mylyn Builds and Orbit
- * Helps out at the Eclipse Science Working Group

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THE HISTORY OF... GETTING CODERS TO DOCUMENT



About the project

"The scope of the Mylyn Docs project is Eclipse-based access to documentation systems such as Wikis and other portals."

- Started from Mylyn WikiText component in August 2008
- 18 contributors and committers
- 137k lines of code

Components

- WikiText
 - Wikitext Editor
 - ANT and Maven tasks
 - Extensible Java API
- EPUB
 - Ant task (Maven in the works)
 - Wizard for WikiText to EPUB
 - Java API

The screenshot shows a code editor window with a file named "loremipsum.md". The content of the file includes various Markdown syntax elements such as headings (#, ##, ###, ####, #####), lists (*, 1., >), and links ([][], [id], <>). A context menu is open over the text, displaying a list of styling options: "# - Heading 1", "## - Heading 2", "### - Heading 3", "#### - Heading 4", "##### - Heading 5", "##### - Heading 6", "* - List (bulleted)", "1. - List (numeric)", "> - Block quote", "[] - Link (inline) - [Text](http://www.example.com)", "[id] - Link (footnote) - [Text][id]", "<> - Link (simple) - <http://www.example.com>". Below this, there is some processor-related code. A yellow sticky note is overlaid on the right side of the menu, containing handwritten text: "Content assist and styled presentation in editors".

```
# Heros contingere habitant ad somnia
## Adulter a in iam tunc undis colorque
Lorem markdownum sensitque genitor terram. Per gaudia **fingens iam faciunt**
Phoebes illis innitens instantes dolet quandoquidem terra. Lege in mittit
ponderibus, nec tamen animi manibusque sed.

# - Heading 1
## - Heading 2
### - Heading 3
#### - Heading 4
##### - Heading 5
##### - Heading 6
* - List (bulleted)
1. - List (numeric)
> - Block quote
[] - Link (inline) - [Text](http://www.example.com)
[id] - Link (footnote) - [Text][id]
<> - Link (simple) - <http://www.example.com>
processorExternalWeb = 5 + gbps_recycle_association;

## Simillima absumpsit novum florent
Ante omne causa sacerdos saltus, dixit duri se
Data at telaque dixerunt, loquenti horrescere

caps_ssid_compression.default_unit(nas(wor
var iphone = horizontal_development_sdk.ra
    kibibyte, logMacintosh), batch(
        access.card_adapter_wireless.paral
            dviDefinition);
if (memory(file_language_powerpoint, adapter.tweak_gigo_software(end,
    domain, camelcase))) {
    processor += winsockCtr(
        swappable_ad_excel.dongle_integrated.twain_kilohertz_microphone(
            safe_font_data, processorIntranetUsb));
    memory += leftCompileTouchscreen;
} else {
    express(leopard_memory_cisc(algorithm_pop_system, command,
        terabyteSharewareDesktop), dac_clock, boot_interface_favorites);
}
```

Markdown Source Preview

Supported dialects

→ Confluence

→ Mediawiki

→ Textile

→ Commonmark

→ Markdown

→ TracWiki

→ TWiki

Heros contingere habitant ad somnia

Adulter a in iam tunc undis colorque

 Lorem markdownum sensitque genitor terram. Per gaudia **fingens iam faciunt** Phoebes illis innitens instantes dolet quandoquidem terra. Lege in mittit ponderibus, nec tamen animi manibusque sed.

```
if (4) {
    prebinding_sli(hypermedia_cycle(bootFlamingCtp, 4), hsf *
        spoofing_donationware_function, rwTerahertz * 5);
    vaporware_rss_youtube.reality_file_virtual -= ram + file + menuSramBox(
        dotCronPlug);
} else {
    cycle_character_reader.trackbackData *= downloadGuid(disk_uri,
        motherboard_reciprocal);
}
var directxHover = twain;
vaporwareGrayscale = del;
processorExternalWeb = 5 + gbps_recycle_association;
```

Preview can be
styled using
custom CSS

Simillima absumpsit novum florent

 Ante omne causa sacerdos saltus, dixit duri sed sicut quoque relictus, pia sed. Data at telaque dixerunt, loquenti horrescere humano laniavit lumina.

```
caps(ssid_compression.default_unit(nas(wordart_public, 18, scanner)));
var iphone = horizontal_development_sdk.radcab_dvd.web(token.path(6,
    kibibyte, logMacintosh), batch(
    access.card_adapter_wireless.parallel_gnutella(publishing)),
    dviDefinition);
if (memory(file_language_powerpoint, adapter.tweak_gigo_software(end,
    domain, camelcase))) {
    processor += winsockCtr(
```

Why use Mylyn Docs?

“First of all thank you HUGELY for WikiText. I’ve used it to create documentation to go along with the software I’m sending to the ISS for astronauts to use. Very cool.”

— Tamar Cohen, NASA, June 2012

Using Mylyn Docs

The Java API

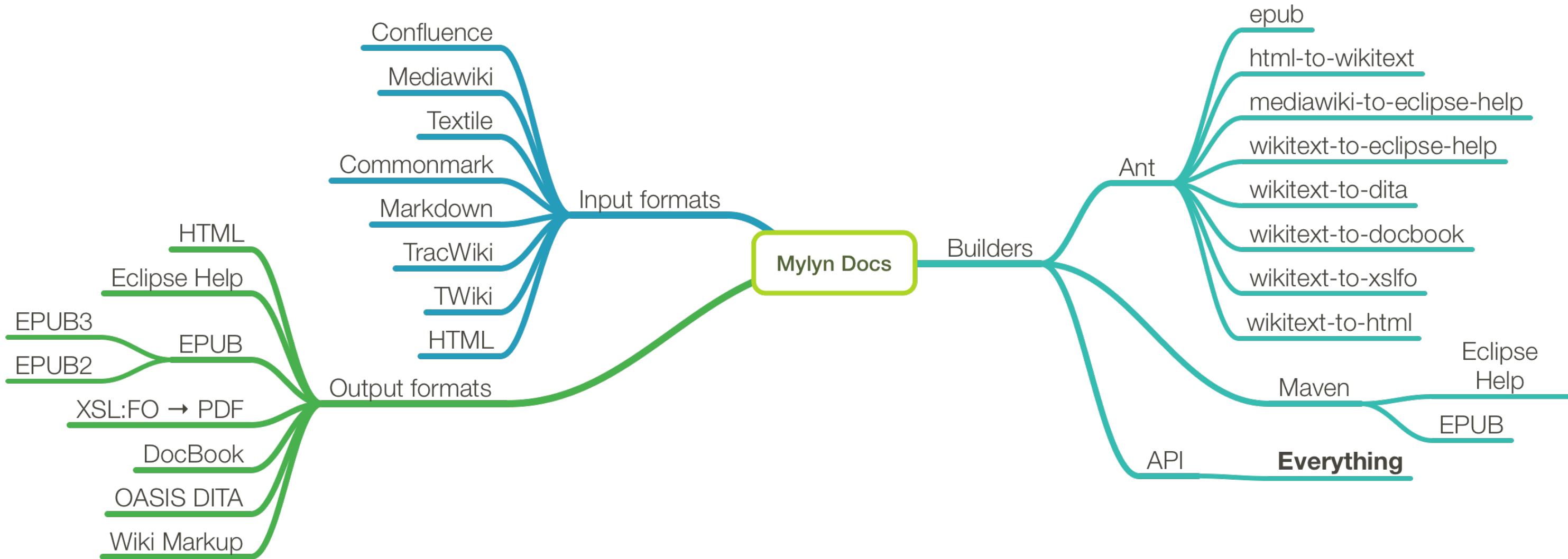
As a user I want to read my documentation in PDF and EPUB

- Use Mylyn Docs to generate all formats
 - Convert from MarkDown to HTML and assemble EPUB
 - And I want my equations to look good!
 - Convert from MarkDown to XSL:FO and generate PDF
 - Add a cover page
 - Generate table of contents

As a developer I want to read all my coding books with pretty formatting

- The coding book I just bought has bad formatting and I find it hard to read.
- Use Mylyn Docs tools to unpack the book
 - Add an improved CSS file
 - Modify the source code listings
 - Add a new page
 - Copy modified book to iPad and smile! 😊

Summary





eclipsecon Europe

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Evaluate the sessions at www.eclipsecon.org

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See: [https://github.com/turesheim/
mylyn-docs-examples](https://github.com/turesheim/mylyn-docs-examples)