

Mylyn Docs

...and how it can be a powerful tool



eclipse**con**

📍 RESTON VIRGINIA

March 7 - 10, 2016

About me

Torkild Ulvøy Resheim

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

torkildr on Twitter

tur@itema.no

<http://www.itema.no>



THE HISTORY OF...

GETTING CODERS TO DOCUMENT



WHY THE WIKI WAS INVENTED

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

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 2012¹

¹ <https://www.eclipse.org/forums/index.php/t/366592/>

Mylyn docs restructuring

Mylyn Docs will be split into several new projects under the "Lifecycle Tools"² TLP:

→ Wikitext

→ Imsar (🏢)

→ VEX

→ Intent

² <https://wiki.eclipse.org/Mylyn/Restructuring/2015>

Components

- WikiText
 - Wikitext Editor
 - ANT and Maven tasks
 - Extensible Java API
- EPUB
 - Ant task
 - Wizard for WikiText to EPUB
 - Java API

```
# 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 s
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);
```

Content assist
and styled
presentation in
editors

Markdown Source Preview

Supported dialects

- Asciidoc
- Commonmark
- Confluence
- Markdown
- Mediawiki
- Textile
- TracWiki
- TWiki

lore ipsum.md

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(
```

Markdown SourcePreview

Using Mylyn Docs



The Java API

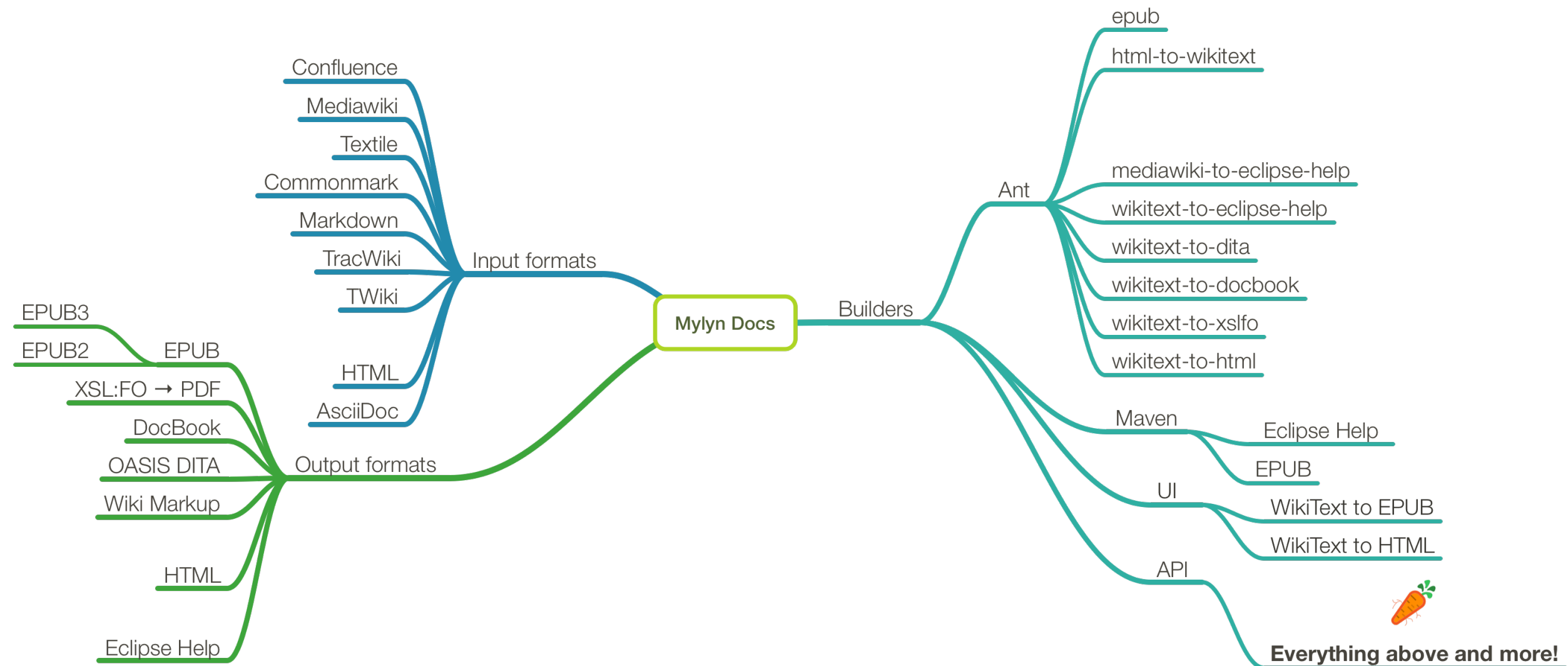
As a user I want to read my documentation in PDF and EPUB

- Write equations in LaTeX from within Eclipse
- Insert these equations into my Markdown document
- Use Mylyn Docs to generate all formats
 - Convert from Markdown to HTML and assemble EPUB
 - Convert from Markdown to XSL:FO and generate PDF

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 reading system and smile! 😊

Summary



Slides and code:

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

Evaluate the Sessions

Sign in and vote at **eclipsecon.org**



-1 0 +1