Come To The Dark Side - We Have AsciiDoc

Siegfried Goeschl

Version 1.0.0, 2018-03-26

Introduction

Siegfried Goeschl

- Senior Software Engineer
- Writing server-side code
- Java Meetup Vienna co-organizer
- Apache Software Foundation member
- Currently working at Erste Bank Austria

Joining The Dark Side

- Recently writing a lot of stuff :-(
- Mostly documentation & presentations
- Writing documentation is bad enough
- Using Microsoft Office makes it unbearable

What’s Wrong With MS Office

- Putting BLOBs under version control?
- Sharing over Slack, file system or email?
- Diffing MS Office documents?
- Using Linux & Open Office?
- What if you don’t have the latest MS Office 365?

What Are The Alternatives?

Lightweight Markup Language

Markup Language

- LateX
- DocBook
- MarkDown
- AsciiDoc
- HTML

LaTeX

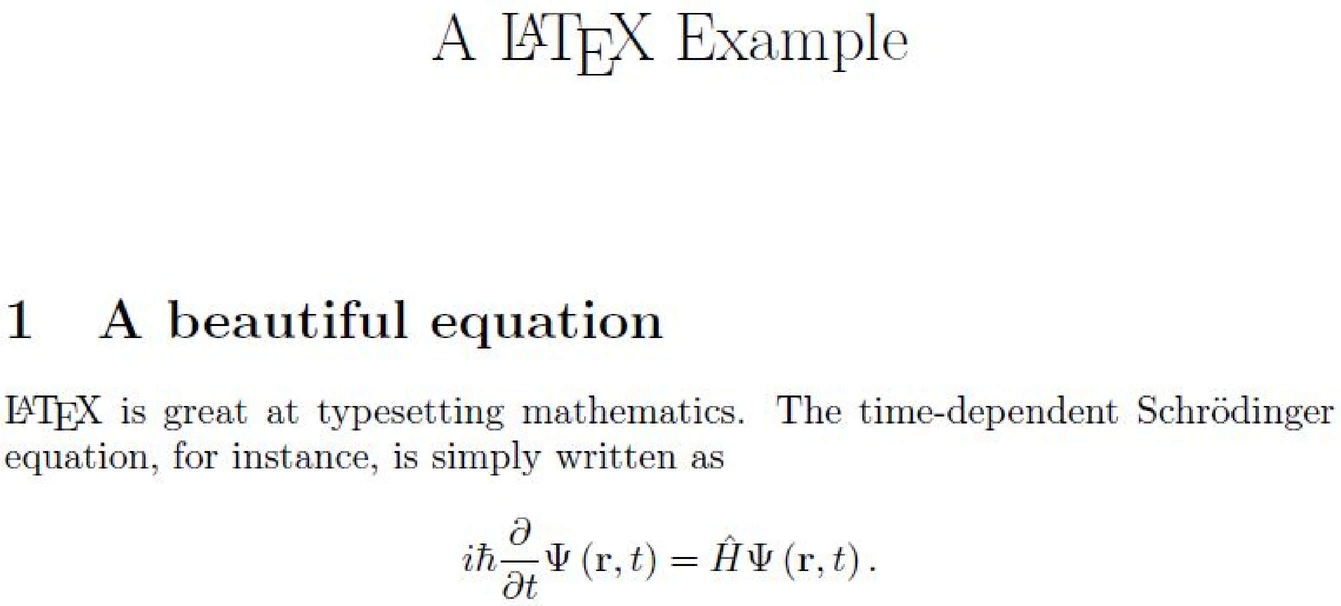
LaTeX

- Lamport Tex
- Widely used in academia for scientific documents
- Math, Physics, …
- Never used it personally

LaTeX Example

```latex
\documentclass[a4paper]{article}
\usepackage[english]{babel}
\title{A \LaTeX{} Example}
\date{}
\begin{document}
\maketitle
\section{A beautiful equation}
\LaTeX{} is great at typesetting mathematics. The time dependent Schr{\"o}dinger equation, for instance, is simply written as
$$i\hbar \frac{\partial}{\partial t}\Psi \left(\mathbf{r},t\right)=
\hat{H}\Psi\left(\mathbf{r},t\right).$$
\end{document}
```

LaTeX Output



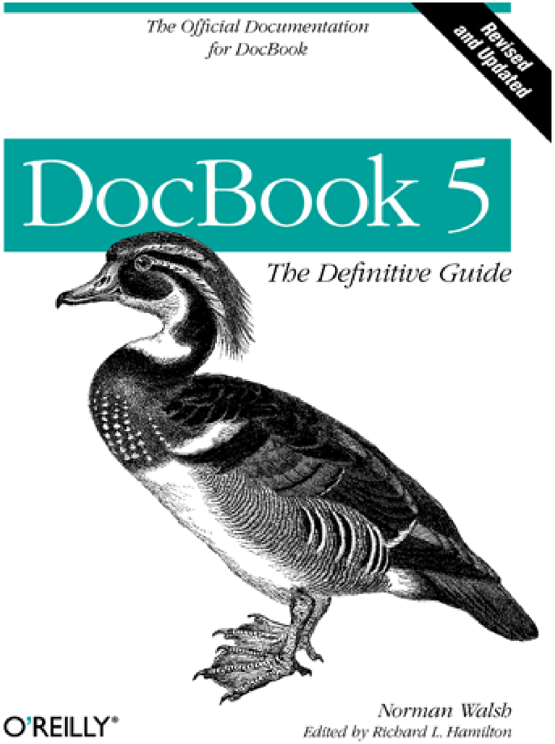
A LaTeX Example

1 A beautiful equation

LaTeX is great at typesetting mathematics. The time-dependent Schrödinger equation, for instance, is simply written as

$$i\hbar\frac{\partial}{\partial t}\Psi\left(\mathbf{r},t\right) = \hat{H}\Psi\left(\mathbf{r},t\right).$$

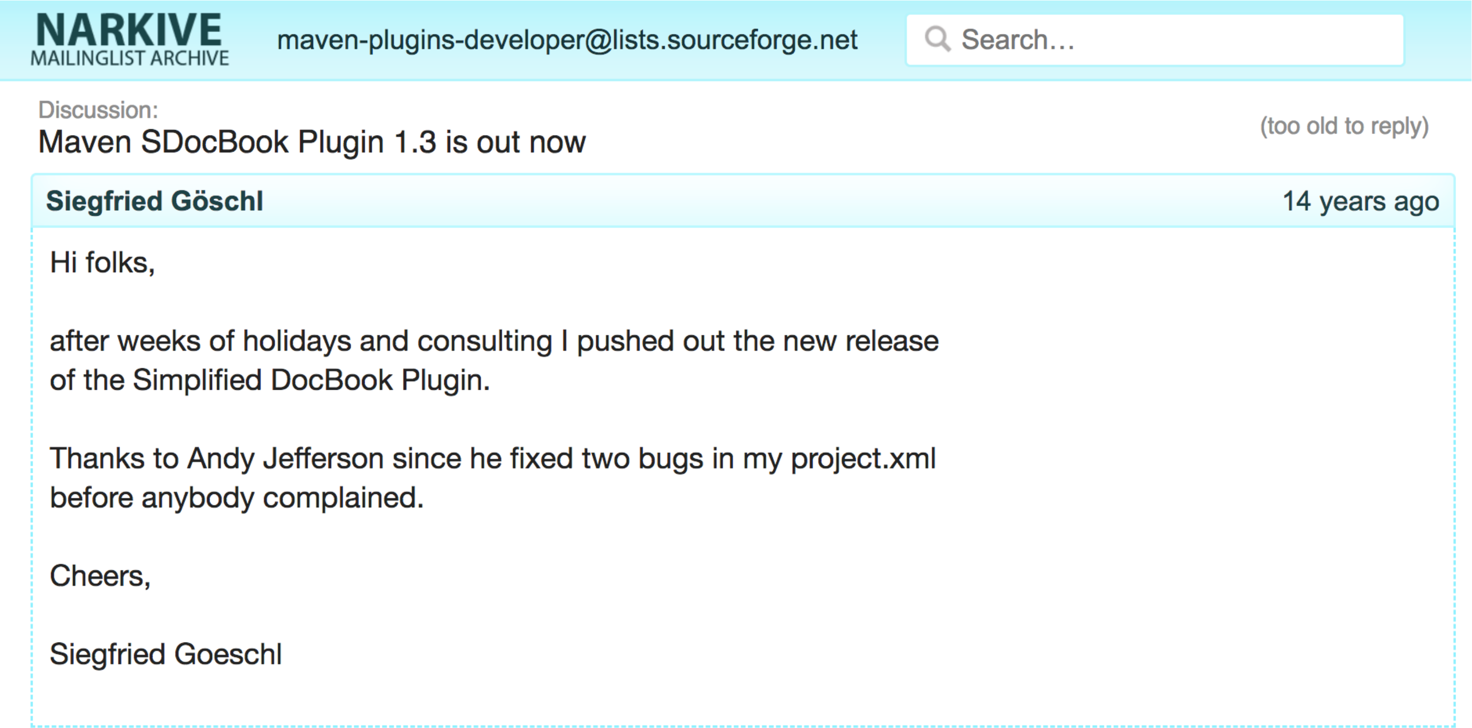
DocBook


The Official Documentation
for DocBook
Revised and Updated
DocBook 5
The Definitive Guide
O'REILLY
Norman Walsh
Edited by Richard L. Hamilton

More About DocBook

- Semantic Markup Language
- Technical documentation & books
- Quite popular in the late 90’s
- There was even Maven 1 support
- Hard to write XML (even with tooling)

DocBook Maven Support



Discussion:
Maven SDocBook Plugin 1.3 is out now

(too old to reply)

Siegfried Göschl 14 years ago

Hi folks,

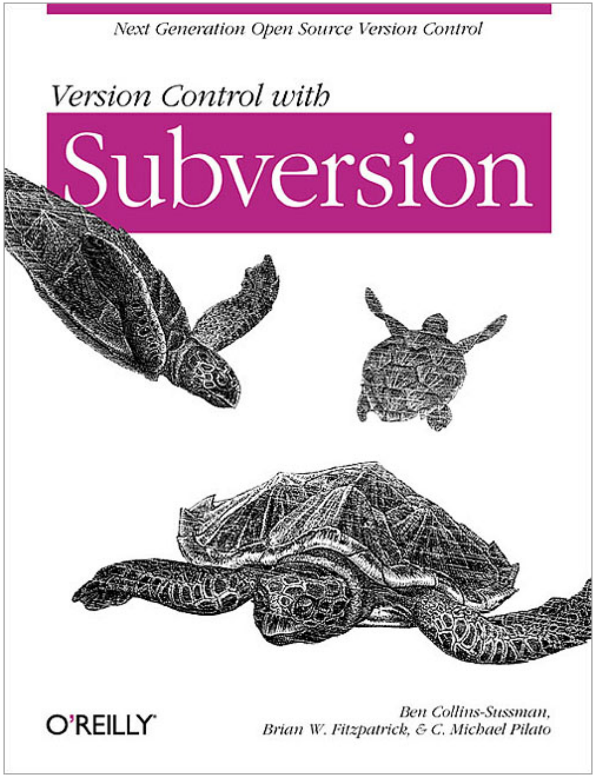
after weeks of holidays and consulting I pushed out the new release
of the Simplified DocBook Plugin.

Thanks to Andy Jefferson since he fixed two bugs in my project.xml
before anybody complained.

Cheers,

Siegfried Goeschl

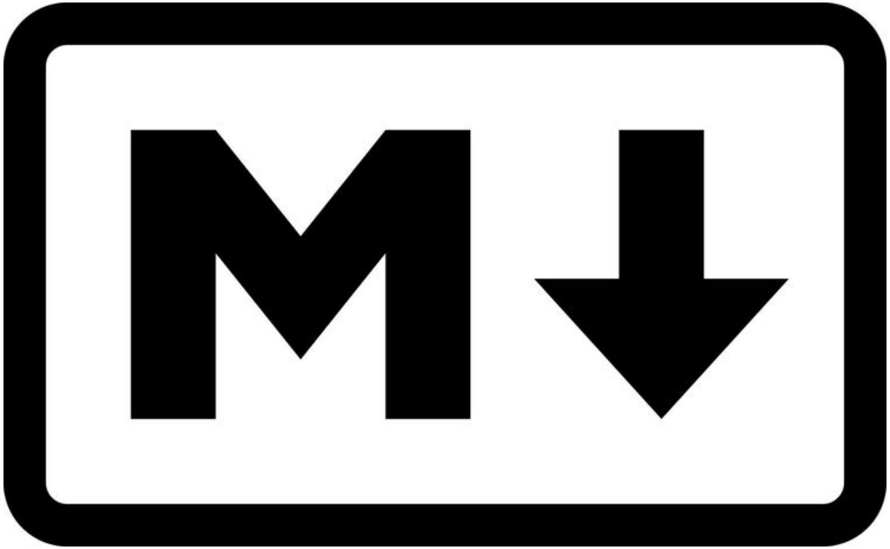
Books Written In DocBook


Next Generation Open Source Version Control
Version Control with
Subversion
O'REILLY
Ben Collins-Sussman,
Brian W. Fitzpatrick, & C. Michael Pilato

DocBook Example

```
<?xml version="1.0" encoding="UTF-8"?>
<book xml:id="simple_book" xmlns="http://docbook.org/ns/docbook" version="5.0">
  <title>Very simple book</title>
  <chapter xml:id="chapter_1">
    <title>Chapter 1</title>
    <para>Hello world!</para>
    <para>
       I hope that your day is proceeding <emphasis>splendidly</emphasis>!
    </para>
  </chapter>
  <chapter xml:id="chapter_2">
    <title>Chapter 2</title>
    <para>Hello again, world!</para>
  </chapter>
</book>
```

Markdown

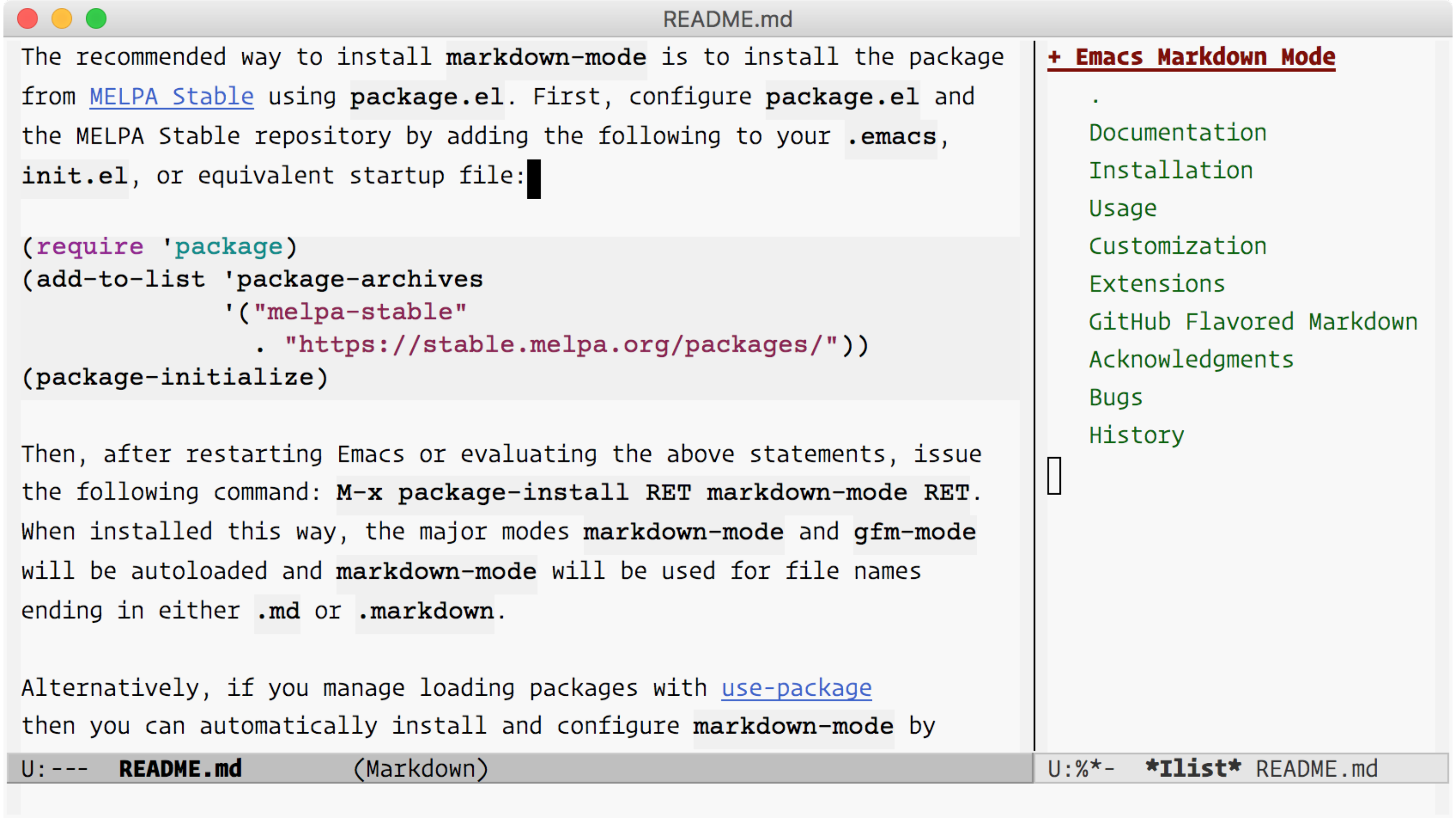


More About Markdown

- Created by John Gruber in 2004
- Focus on readability without obvious markup
- Intended to be transformed to HTML/XHTML

Markdown Is Everywhere

EMacs



README.md

The recommended way to install markdown-mode is to install the package from MELPA Stable using package.el. First, configure package.el and the MELPA Stable repository by adding the following to your .emacs, init.el, or equivalent startup file:

```
(require 'package)
(add-to-list 'package-archives
             '("melpa-stable"
               . "https://stable.melpa.org/packages/"))
(package-initialize)
```

Then, after restarting Emacs or evaluating the above statements, issue the following command: M-x package-install RET markdown-mode RET. When installed this way, the major modes markdown-mode and gfm-mode will be autoloaded and markdown-mode will be used for file names ending in either .md or .markdown.

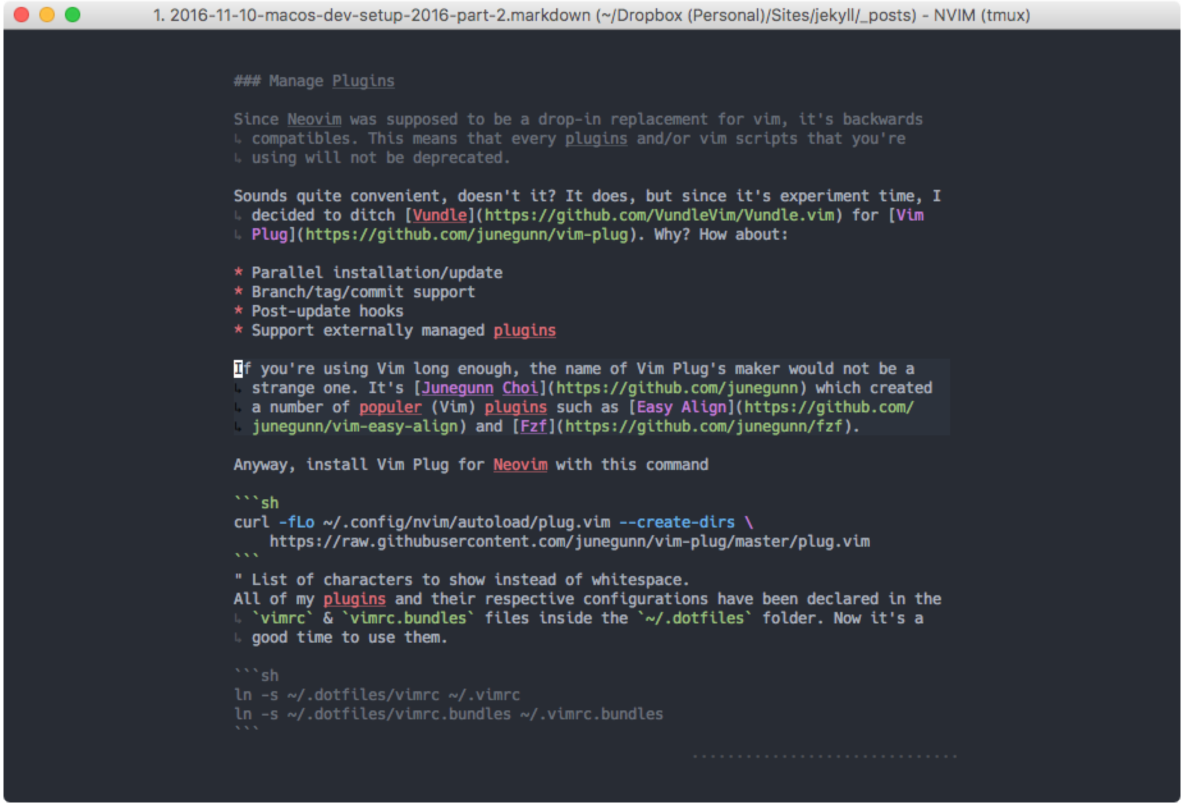
Alternatively, if you manage loading packages with use-package then you can automatically install and configure markdown-mode by

```
U:---  README.md        (Markdown)
```

```
+ Emacs Markdown Mode
    .
    Documentation
    Installation
    Usage
    Customization
    Extensions
    GitHub Flavored Markdown
    Acknowledgments
    Bugs
    History
```

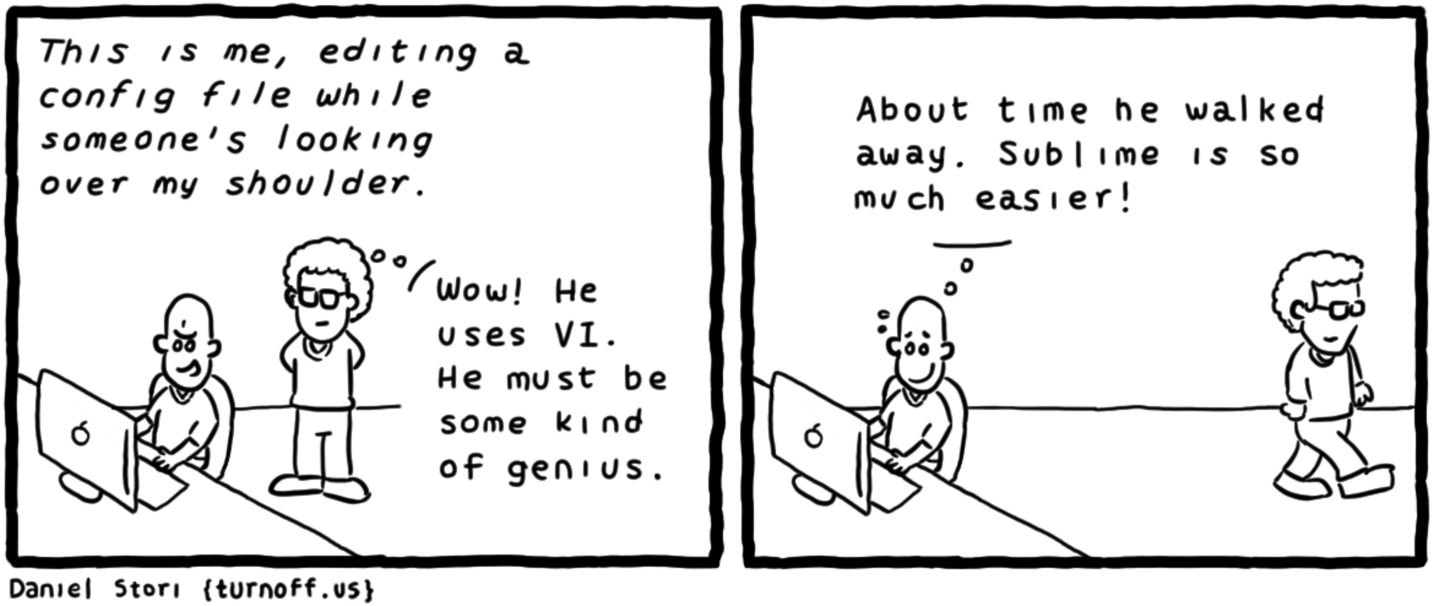
```
U:%*-  *Ilist* README.md
```

Vim


1. 2016-11-10-macos-dev-setup-2016-part-2.markdown (~/Dropbox (Personal)/Sites/jekyll/_posts) - NVIM (tmux)

~~~
### Manage Plugins

Since Neovim was supposed to be a drop-in replacement for vim, it's backwards
↳ compatibles. This means that every plugins and/or vim scripts that you're
↳ using will not be deprecated.

Sounds quite convenient, doesn't it? It does, but since it's experiment time, I
↳ decided to ditch [Vundle](https://github.com/VundleVim/Vundle.vim) for [Vim
↳ Plug](https://github.com/junegunn/vim-plug). Why? How about:

* Parallel installation/update
* Branch/tag/commit support
* Post-update hooks
* Support externally managed plugins

If you're using Vim long enough, the name of Vim Plug's maker would not be a
↳ strange one. It's [Junegunn Choi](https://github.com/junegunn) which created
↳ a number of populer (Vim) plugins such as [Easy Align](https://github.com/
↳ junegunn/vim-easy-align) and [Fzf](https://github.com/junegunn/fzf).

Anyway, install Vim Plug for Neovim with this command

```sh
curl -fLo ~/.config/nvim/autoload/plug.vim --create-dirs \
    https://raw.githubusercontent.com/junegunn/vim-plug/master/plug.vim
```
" List of characters to show instead of whitespace.
All of my plugins and their respective configurations have been declared in the
↳ `vimrc` & `vimrc.bundles` files inside the `~/.dotfiles` folder. Now it's a
↳ good time to use them.

```sh
ln -s ~/.dotfiles/vimrc ~/.vimrc
ln -s ~/.dotfiles/vimrc.bundles ~/.vimrc.bundles
```
~~~

Vi Or Not Vi


This is me, editing a config file while someone's looking over my shoulder.
Wow! He uses VI. He must be some kind of genius.
About time he walked away. Sublime is so much easier!
Daniel Stori {turnoff.us}

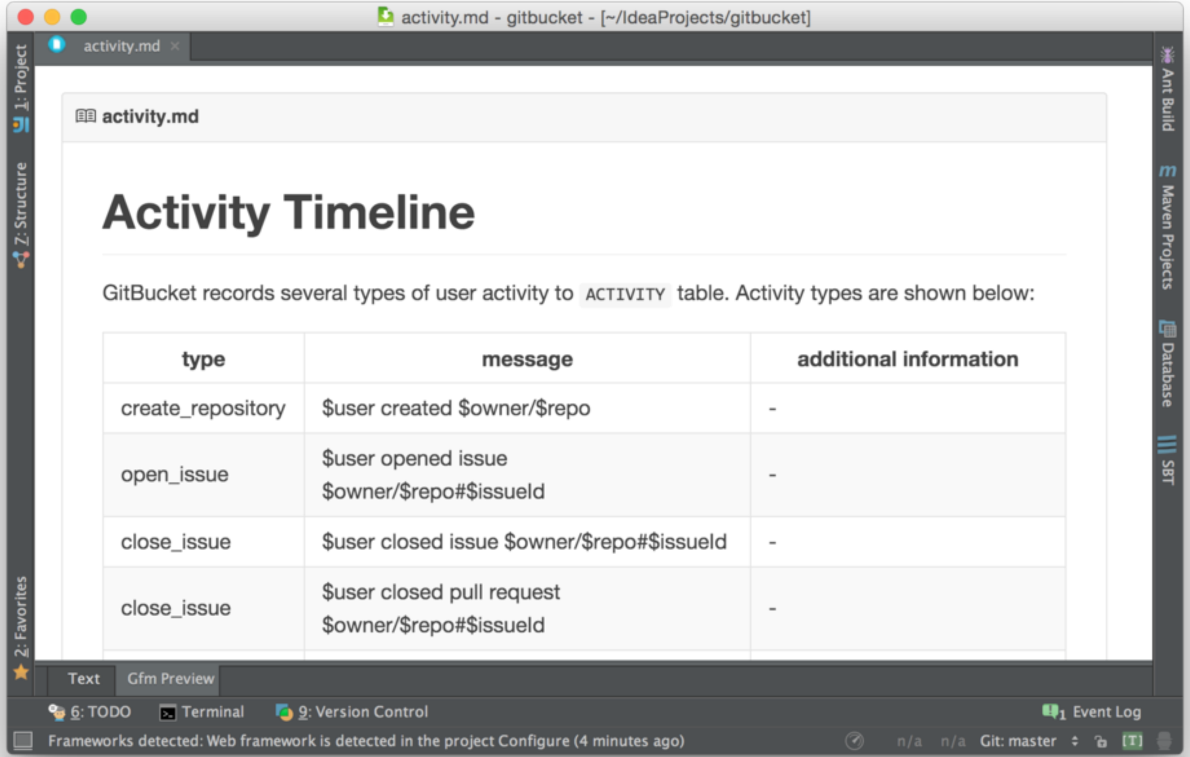
Sublime Editor

Marked 2 Preview

Markdown Emails With Mailmate

GitHub

IntelliJ Markdown Plugin



Activity Timeline

GitBucket records several types of user activity to `ACTIVITY` table. Activity types are shown below:

type	message	additional information
create_repository	$user created $owner/$repo	-
open_issue	$user opened issue $owner/$repo#$issueId	-
close_issue	$user closed issue $owner/$repo#$issueId	-
close_issue	$user closed pull request $owner/$repo#$issueId	-

Frameworks detected: Web framework is detected in the project Configure (4 minutes ago)

Markdown Is Awesome

But Sometimes Not Good Enough

Problems With Markdown

- Original Markdown was very limited
- No clearly defined Markdown standard
- Missing features led to many flavours

Markdown Flavours

- CommonMark launched in 2012
- GitHub Flavored Markdown based on CommonMark
- MarkdownExtra usesd in common CMS
- Doxygen Markdown Extensions

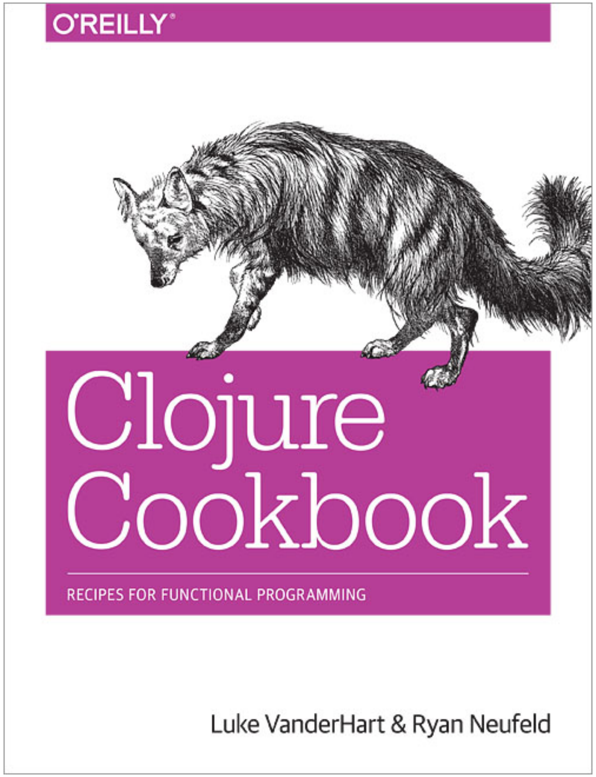
No One Markdown To Rule Them All

AsciiDoc

More About AsciiDoc

- Bring simplicity back to DocBook
- Supports most DocBook elements
- Everything you need for complex documents
- You can even write books

Books Written In AsciiDoc


O'REILLY
Clojure Cookbook
RECIPES FOR FUNCTIONAL PROGRAMMING
Luke VanderHart & Ryan Neufeld

Why I’m Using AsciiDoc

- Similar enough to Markdown to get me going
- Better PDF document generation for external parties
- Some really nice features for documentations

AsciiDoc Features

Cover Page

```
= AsciiDoc Sample Document
Your Name <email@company.invalid>
v{revnumber}, {docdate}
:title-logo-image: image:logo.png[pdfwidth=3.00in,align=center]
```

Cover Page

AsciiDoc Sample Document

Your Name

Version 1.0.0, 2018-11-23

Table Of Contents

```
:sectnums:
:toc:
:toclevels: 2
```

Table Of Contents

Table of Contents

CSV Tables

```
.CSV data, 15% each column
[format="csv",width="60%",cols="4",options="header"]
[frame="topbot",grid="none"]
|======
1,2,3,4
a,b,c,d
A,B,C,D
|======
```

CSV Tables

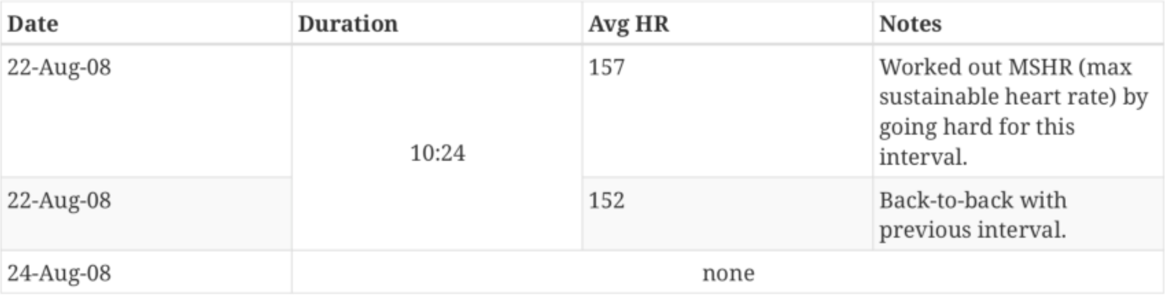
Table 1. CSV data, 15% each column

1	2	3	4
a	b	c	d
A	B	C	D

Advanced Tables

```
|====
|Date |Duration |Avg HR |Notes

|22-Aug-08 .2+^.^|10:24 | 157 |
Worked out MSHR (max sustainable
heart rate) by going hard
for this interval.

|22-Aug-08 | 152 |
Back-to-back with previous interval.

|24-Aug-08 3+^|none
|====
```

Advanced Tables



Date	Duration	Avg HR	Notes
22-Aug-08	10:24	157	Worked out MSHR (max sustainable heart rate) by going hard for this interval.
22-Aug-08		152	Back-to-back with previous interval.
24-Aug-08	none		

Admonitions

```
TIP: Pro tip...

IMPORTANT: Don't forget...

WARNING: Watch out for...

CAUTION: Ensure that..
```

Admonitions

💡 Pro tip...

❗ Don’t forget...

⚠ Watch out for...

🔥 Ensure that..

Include Directive

- Partition a large document
- Insert snippets of source code
- Poplulate tables from external files

Include Directive

```
.CSV data, 15% each column
[format="csv",width="60%",cols="4",options="header"]
[frame="topbot",grid="none"]
|======
include::table.csv[]
|======
```

Source Code Support

```
[source,java]
----
public class HelloWorld {
  public static void main(String args[]) {
    System.out.println("Hello, world!"); ①
  }
}
----
<1> Prints "Hello, world!" to the console.
```

Source Code Support

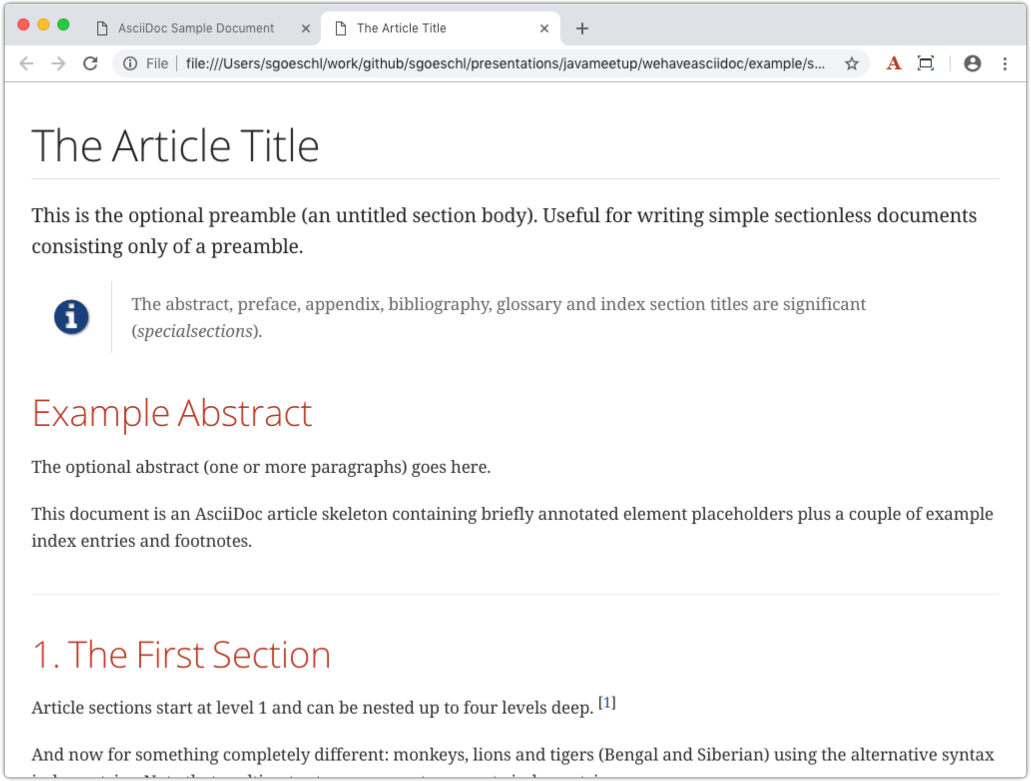
```
public class HelloWorld {
  public static void main(String args[]) {
    System.out.println("Hello, world!"); ①
  }
}
```

① Prints "Hello, world!" to the console.

My Workflow

- Sublime Text Editor
- Sublime AsciiDoc Plugin for syntax highlighting
- Chrome AsciiDoctor extension for live preview
- `asciidoctor-maven-plugin` for PDF generation

Chrome AsciiDoctor Plugin


AsciiDoc Sample Document
The Article Title
File
file:///Users/sgoeschl/work/github/sgoeschl/presentations/javameetup/wehaveasciidoc/example/s...

The Article Title

This is the optional preamble (an untitled section body). Useful for writing simple sectionless documents consisting only of a preamble.

The abstract, preface, appendix, bibliography, glossary and index section titles are significant (*specialsections*).

Example Abstract

The optional abstract (one or more paragraphs) goes here.

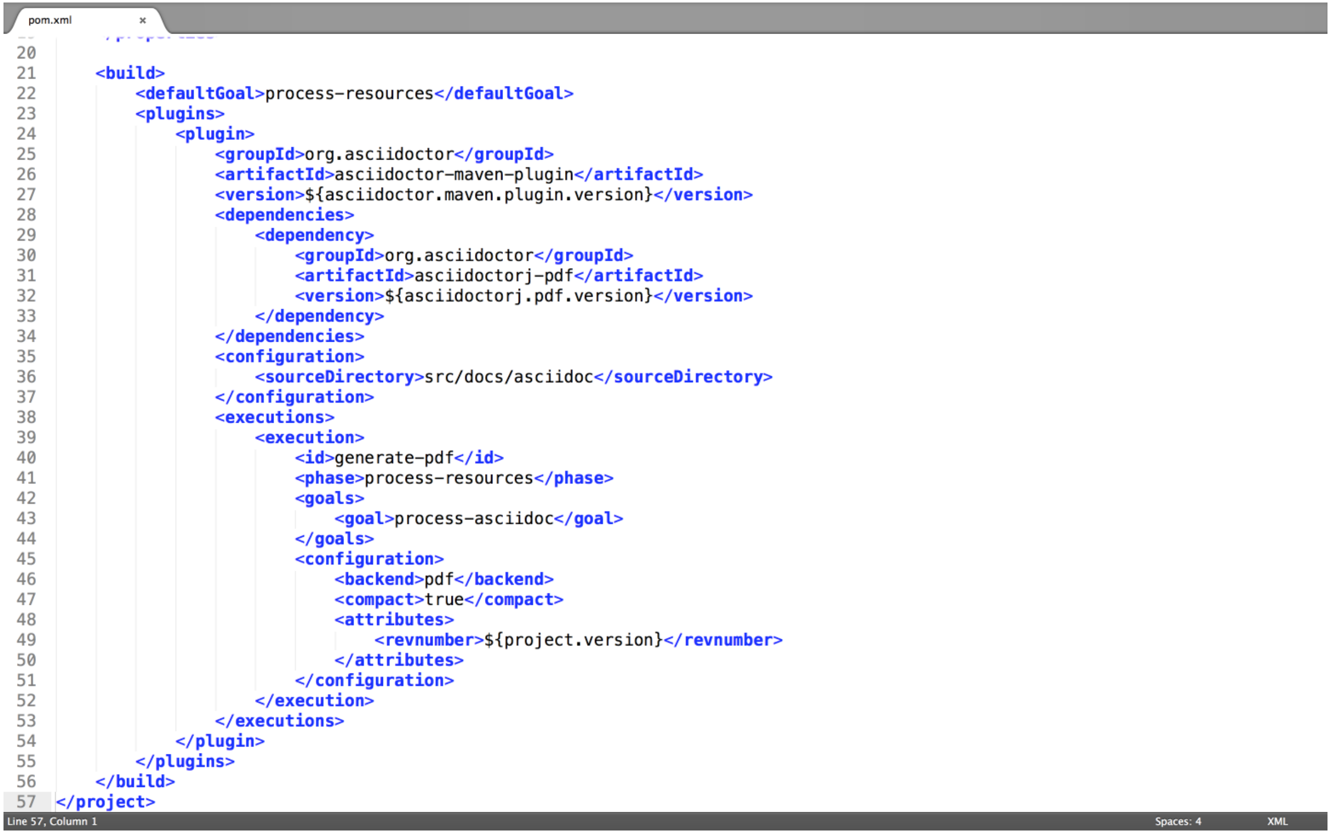
This document is an AsciiDoc article skeleton containing briefly annotated element placeholders plus a couple of example index entries and footnotes.

1. The First Section

Article sections start at level 1 and can be nested up to four levels deep. [1]

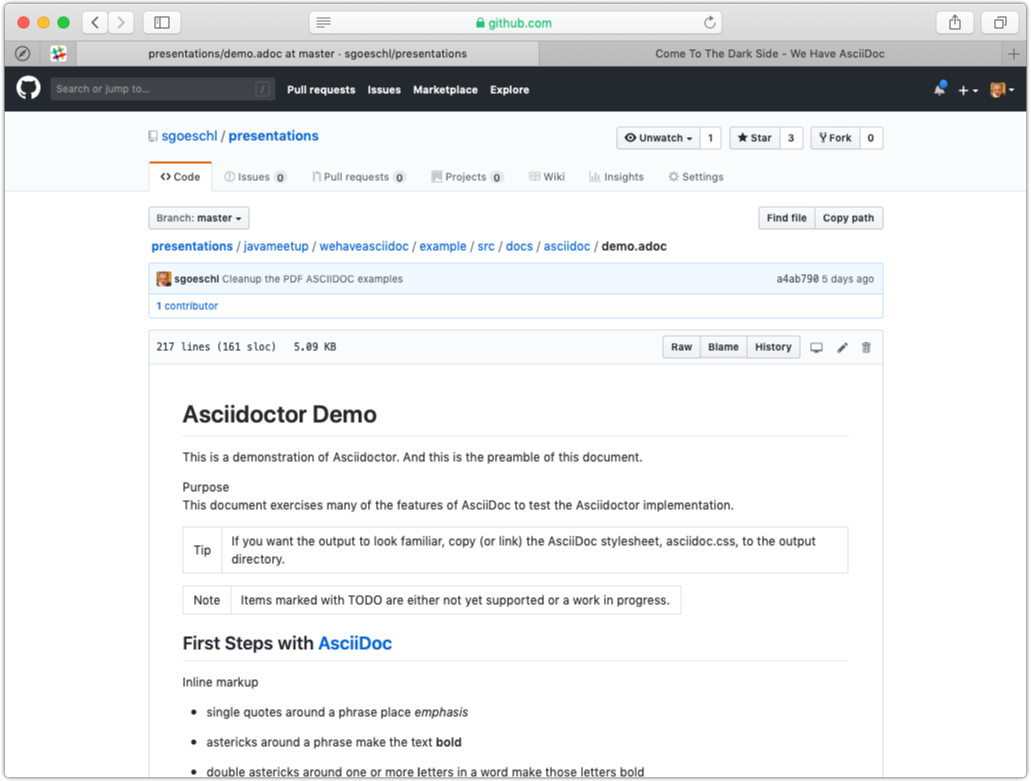
And now for something completely different: monkeys, lions and tigers (Bengal and Siberian) using the alternative syntax

AsciiDoctor Maven Plugin



```xml

    <build>
        <defaultGoal>process-resources</defaultGoal>
        <plugins>
            <plugin>
                <groupId>org.asciidoctor</groupId>
                <artifactId>asciidoctor-maven-plugin</artifactId>
                <version>${asciidoctor.maven.plugin.version}</version>
                <dependencies>
                    <dependency>
                        <groupId>org.asciidoctor</groupId>
                        <artifactId>asciidoctorj-pdf</artifactId>
                        <version>${asciidoctorj.pdf.version}</version>
                    </dependency>
                </dependencies>
                <configuration>
                    <sourceDirectory>src/docs/asciidoc</sourceDirectory>
                </configuration>
                <executions>
                    <execution>
                        <id>generate-pdf</id>
                        <phase>process-resources</phase>
                        <goals>
                            <goal>process-asciidoc</goal>
                        </goals>
                        <configuration>
                            <backend>pdf</backend>
                            <compact>true</compact>
                            <attributes>
                                <revnumber>${project.version}</revnumber>
                            </attributes>
                        </configuration>
                    </execution>
                </executions>
            </plugin>
        </plugins>
    </build>
</project>
```

GitHub AsciiDoc


github.com
presentations/demo.adoc at master · sgoeschl/presentations
Come To The Dark Side - We Have AsciiDoc
Search or jump to...
Pull requests
Issues
Marketplace
Explore
sgoeschl / presentations
Unwatch 1
Star 3
Fork 0
Code
Issues 0
Pull requests 0
Projects 0
Wiki
Insights
Settings
Branch: master
Find file
Copy path
presentations / javameetup / wehaveasciidoc / example / src / docs / asciidoc / demo.adoc
sgoeschl Cleanup the PDF ASCIIDOC examples
a4ab790 5 days ago
1 contributor
217 lines (161 sloc) 5.09 KB
Raw
Blame
History

Asciidoctor Demo

This is a demonstration of Asciidoctor. And this is the preamble of this document.

Purpose
This document exercises many of the features of AsciiDoc to test the Asciidoctor implementation.

Tip	If you want the output to look familiar, copy (or link) the AsciiDoc stylesheet, asciidoc.css, to the output directory.

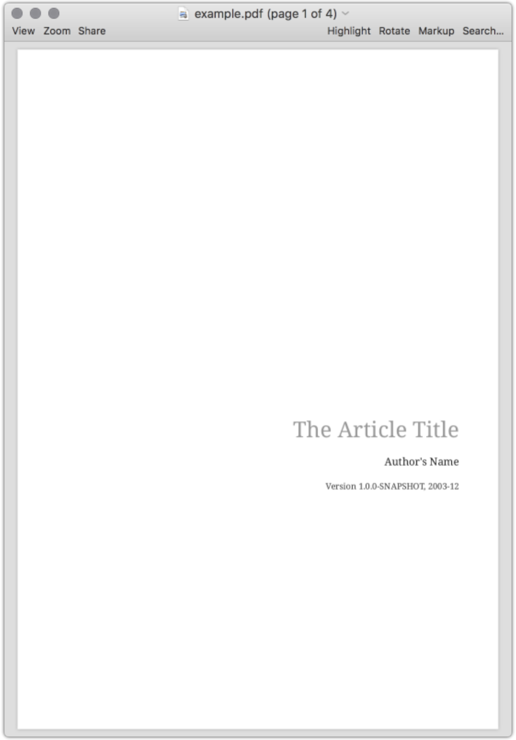
Note	Items marked with TODO are either not yet supported or a work in progress.

First Steps with AsciiDoc

Inline markup

- single quotes around a phrase place *emphasis*
- astericks around a phrase make the text **bold**
- double astericks around one or more letters in a word make those letters bold

Sample Document Page 01

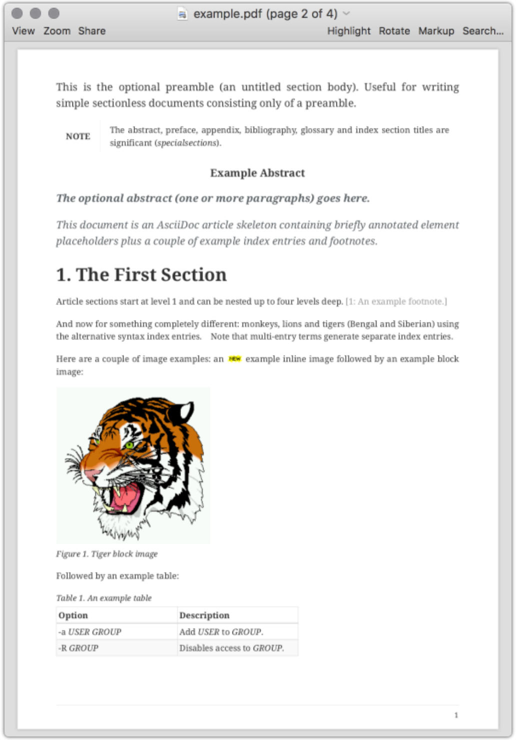


The Article Title

Author's Name

Version 1.0.0-SNAPSHOT, 2003-12

Sample Document Page 02



This is the optional preamble (an untitled section body). Useful for writing simple sectionless documents consisting only of a preamble.

NOTE The abstract, preface, appendix, bibliography, glossary and index section titles are significant (*specialsections*).

Example Abstract

The optional abstract (one or more paragraphs) goes here.

This document is an AsciiDoc article skeleton containing briefly annotated element placeholders plus a couple of example index entries and footnotes.

1. The First Section

Article sections start at level 1 and can be nested up to four levels deep. [1: An example footnote.]

And now for something completely different: monkeys, lions and tigers (Bengal and Siberian) using the alternative syntax index entries. Note that multi-entry terms generate separate index entries.

Here are a couple of image examples: an NEW example inline image followed by an example block image:

Figure 1. Tiger block image

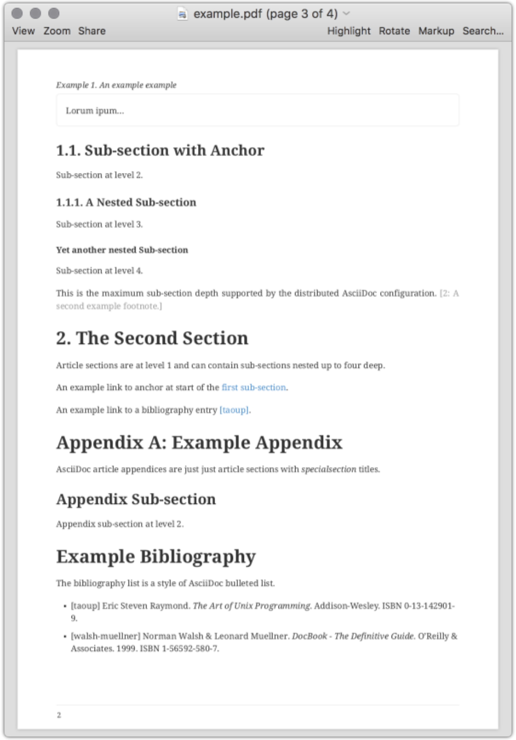
Followed by an example table:

Table 1. An example table

Option	Description
-a *USER GROUP*	Add *USER* to *GROUP*.
-R *GROUP*	Disables access to *GROUP*.

1

Sample Document Page 03



Example 1. An example example

Lorum ipum...

1.1. Sub-section with Anchor

Sub-section at level 2.

1.1.1. A Nested Sub-section

Sub-section at level 3.

Yet another nested Sub-section

Sub-section at level 4.

This is the maximum sub-section depth supported by the distributed AsciiDoc configuration. [2: A second example footnote.]

2. The Second Section

Article sections are at level 1 and can contain sub-sections nested up to four deep.

An example link to anchor at start of the first sub-section.

An example link to a bibliography entry [taoup].

Appendix A: Example Appendix

AsciiDoc article appendices are just just article sections with *specialsection* titles.

Appendix Sub-section

Appendix sub-section at level 2.

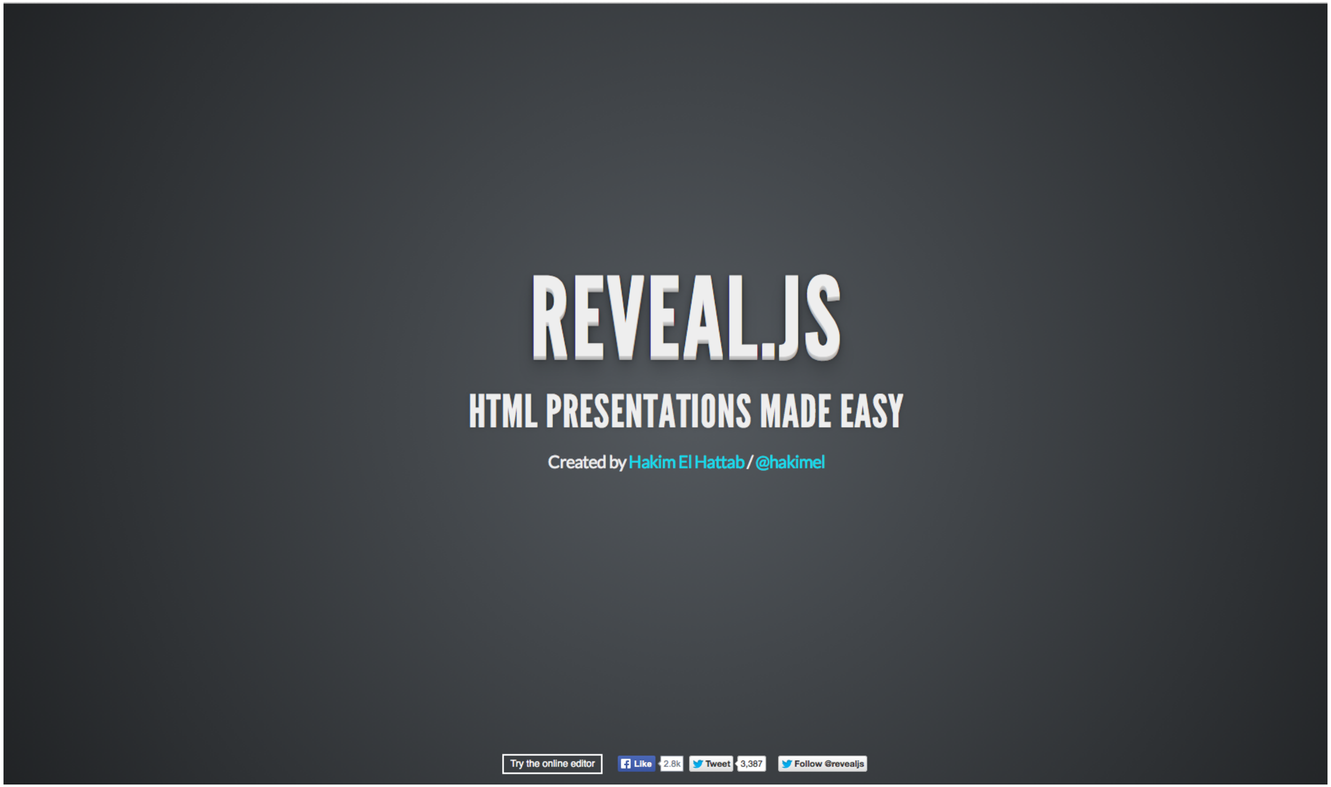
Example Bibliography

The bibliography list is a style of AsciiDoc bulleted list.

- [taoup] Eric Steven Raymond. *The Art of Unix Programming*. Addison-Wesley. ISBN 0-13-142901-9.
- [walsh-muellner] Norman Walsh & Leonard Muellner. *DocBook - The Definitive Guide*. O'Reilly & Associates. 1999. ISBN 1-56592-580-7.

Eat Your Own Dog Food

Reveal.js



REVEAL.JS

HTML PRESENTATIONS MADE EASY

Created by Hakim El Hattab / @hakimel

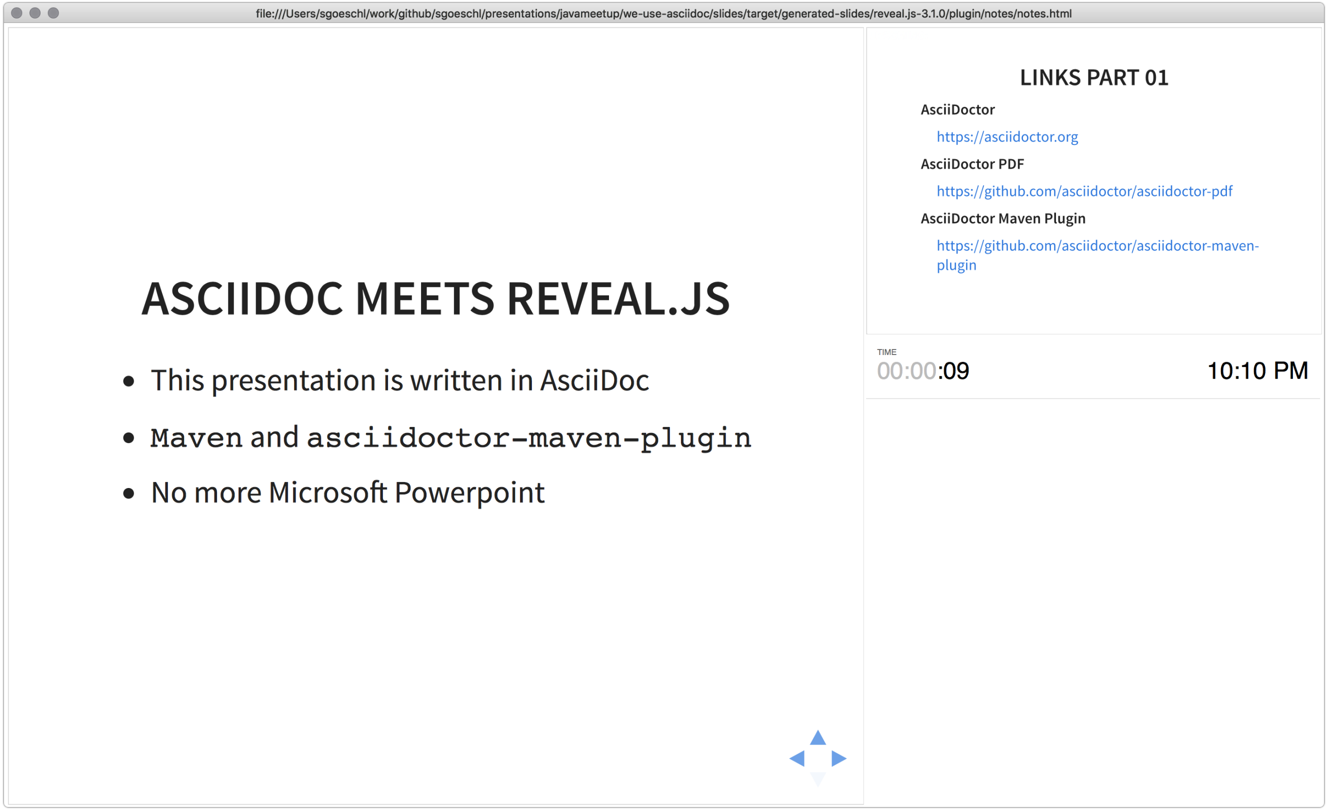
AsciiDoc Meets Reveal.js

- This presentation is written in AsciiDoc
- `Maven` and `asciidoctor-maven-plugin`
- Creates stand-alone HTML5 presentation
- No more Microsoft Powerpoint

Reveal.js

- Presentation using HTML 5
- Works best for textual content
- Visual presentations are a bit harder
- PDF Handouts can be tricky
- Keyboard shortcuts for presenters

Reveal Speaker View



file:///Users/sgoeschl/work/github/sgoeschl/presentations/javameetup/we-use-asciidoc/slides/target/generated-slides/reveal.js-3.1.0/plugin/notes/notes.html

ASCIIDOC MEETS REVEAL.JS

- This presentation is written in AsciiDoc
- `Maven` and `asciidoctor-maven-plugin`
- No more Microsoft Powerpoint

LINKS PART 01

AsciiDoctor

https://asciidoctor.org

AsciiDoctor PDF

https://github.com/asciidoctor/asciidoctor-pdf

AsciiDoctor Maven Plugin

https://github.com/asciidoctor/asciidoctor-maven-plugin

TIME

00:00:09 10:10 PM

Reveal PDF Handouts

- Append `?print-pdf` query parameter to URL
  - Does not work all the times for me
- Using `Decktape` failed to NPM install issues
- Currently creating hand-outs in the Maven build
  - Using `<<<` to enforce page breaks
  - Using `pdfwidth=` to re-size PDF images

Maven PDF Handout

```
:experimental:
:pdf-page-size: 9in x 6in
```

Want To Join The Dark Side?!

When To Use AsciiDoc

- When Markdown is not good enough
- Writing longer documents
- When you need a `Table Of Content`
- Creating customer-facing PDFs

AsciiDoc Benefits

- You can safely replace MS Word
- Textual content plays nicely with version control
- Documentation becomes part of the build process
- Wide-spread tool support

AsciiDoc Drawbacks

- Yet another tool to learn
- Non-developers might be unhappy

Questions?

Clone My GitHub Repository

https://github.com/sgoeschl/presentations

Links Part 01

AsciiDoctor

https://asciidoctor.org

AsciiDoctor PDF

https://github.com/asciidoctor/asciidoctor-pdf

AsciiDoctor Maven Plugin

https://github.com/asciidoctor/asciidoctor-maven-plugin

Links Part 02

AsciiDoctor Reveal.js

https://asciidoctor.org/docs/asciidoctor-revealjs/

AsciiDoctor To PDF

http://discuss.asciidoctor.org/AsciiDoctor-PDF-amp-slide-show-presentations-td6053.html

AsciiDoc User Guide

http://www.methods.co.nz/asciidoc/chunked/index.html

RevealJS

https://github.com/hakimel/reveal.js/

Links Part 03

Write in AsciiDoc - Publish Everwhere

> http://mojavelinux.github.io/decks/write-in-asciidoc-publish-everywhere/mixit2015/index.html#/