AsciiDoc introduction

Hannes Rohde

Table of Contents

A short overview over the capabilities of the AsciiDoc markup language and benefits of using it for software documentation.

Formatting

Text formatting in AsciiDoc works similar to markdown (JIRA, github) or wikitext (wikipedia):

Headers

There are 5 levels of headers:

Header level 1

Header level 2

Header level 3

Header level 4

Header level 5

Text formatting

normal, *italic*, **bold**, `mono`.
"double quoted", 'single quoted'.
normal, ^{super}, $_{sub}$.

© ® ™ — … → ← ⇒ ⇐ ¶

Paragraphs

normal linewrapped paragraph

Vogon poetry is, of course, the third worst in the universe. The second worst is that of the Azgoths of Kria. During a recitation by their poet master Grunthos the Flatulent of his poem "Ode to a Small Lump of Green Putty I Found in My Armpit One Midsummer Morning", four of the audience members died of internal hemorrhaging and the president of the Mid- Galactic Arts Nobbling Council survived only by gnawing one of his own legs off.

```
Oh freddled gruntbuggly,
Thy micturations are to me,
As plurdled gabbleblotchits,
On a lurgid bee,
That mordiously hath blurted out,
Its earted jurtles,
Into a rancid festering confectious organ squealer.
```

Lists

Bullet list

- first
  - first a
- second
  - second a
  - second b

Ordered list

1. first
2. second
   a. sub
   b. another sub

Forced ordered list

a. first
   1. sub
   2. sub
b. second

Labeled list / definition list

Greenery
Pantone 15-0343 (#88B04B)

Serenity
Pantone 15-3913 (#92A8D1)

Rose Quartz
Pantone 13-1520 (#F7CAC9)

Special annotations TIP, IMPORTANT, WARNING, CAUTION, NOTE

Always commit and push code before going on a vacation!

Icons

Place Font Awesome icons inline 👍 in the text.

Tables

Table 1. Simple example table

Col 1	Col 2	Col 3
1	Item 1	a
2	Item 2	b
3	Item 3	c
6	Three items	d

Table 2. CSV data, styling

id	type	user	date
123456	b	256	2017-06-21
123457	b	6411	2017-06-20

Blocks

Listing block for plain text

```
GNU GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

Copyright © 2007 Free Software Foundation, Inc. <http://fsf.org/>

Everyone is permitted to copy and distribute verbatim copies of this license document,
but changing it is not allowed.
Preamble

The GNU General Public License is a free, copyleft license for software and other
kinds of works.
```

Source code with syntax highlighting

```
protected void reloadData() {
    if (mOnFragmentReloadedListener != null) {
        mOnFragmentReloadedListener.onFragmentReloaded();
    }
}
```

Sidebar block

AsciiDoc was first released in Nov 2002 by Stuart Rackham. It was designed from the start to be a shorthand syntax for producing professional documents like DocBook and LaTeX.

Quote block

> Never attribute to malice that which can be adequately explained by stupidity.
>
> — Hanlon's razor, https://en.wikipedia.org/wiki/Hanlon's_razor

More

NOTE/TIP/CAUTION/… block, example block, literal block, passthrough block

Links

You can place links to anchors in the same document.

Relative links to other documents and links to internet resources are also possible.

Images

Images can be embedded in full size, as thumbnails or inline:

[nyancat] | *images/nyancat.png*

Advanced features

Includes

Create modular documents by including common blocks

Attributes

Predefined attributes

The author of this text is Hannes Rohde <hannes.rohde@mailbox.org>.

Define attributes on the fly

My favorite color is green.

Diagrams

Diagrams can be created in GraphViz:

[diag 6778f082cb82341552486e256631659c] | *diag-6778f082cb82341552486e256631659c.png*

or ditaa:

[diag 410e42cf2bf45d246e4b2998bdd1c791] | *diag-410e42cf2bf45d246e4b2998bdd1c791.png*

or PlantUML:

[diag 51b0c2caca7cc1def8a4cbb334bc230e] | *diag-51b0c2caca7cc1def8a4cbb334bc230e.png*

Benefits

- Shared repo for code and docs → no more outdated documentation
- Readable source code
- Good tool support (IntelliJ plugin, github, gradle, asciidocfx…)
- Export to HTML, docbook, PDF, EPUB

Links

AsciiDoc Writer's Guide

    http://asciidoctor.org/docs/asciidoc-writers-guide/

AsciiDoc cheat sheet

    https://powerman.name/doc/asciidoc

Live javascript interpreter

    https://asciidoclive.com/

asciidocfx

    http://asciidocfx.com

This presentation

    https://github.com/hannesrohde/asciidocdemo