Asciidoctor Diagram

Supported Diagram Types

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version: 3d11e1b5

document doctor Diagra	and	shows	all	diagram	types	provided	by

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Chapter 1. Introduction and goals

This document should give an overview over all supported diagram types provided by Asciidoctor $Diagram^{[DIAG]}$.

Chapter 2. ASCIIToSVG

ASCIIToSVG parses ASCII art diagrams, attempting to convert them to an aesthetically pleasing SVG output.

— ASCIIToSVG, https://github.com/asciitosvg/asciitosvg

2.1. Internal diagram source





Chapter 3. Barcodes

The barcode extension provides barcode rendering. Barcode macros can be specified using blocks, inline macros or block macros.

— Asciidoctor Diagrams, https://docs.asciidoctor.org/diagram-extension/latest/#barcode

3.1. bookland (ISBN)



3.2. codabar



3.3. code25



3.4. code25iata



3.5. code25interleaved



3.6. code39



3.7. code93



3.8. code128



3.9. code128a



3.10. code128b



3.11. code128c



3.12. ean8



3.13. ean13



3.14. gs1_128

No valid data because of <FNC1>.

3.15. qrcode



3.16. upca



Chapter 4. Blockdiag

blockdiag and its family generate diagram images from simple text files.

— Takeshi KOMIYA, http://blockdiag.com/en/index.html

blockdiag supports many types of diagrams like

- activity diagram (w/ actdiag) and
- block diagram (w/ blockdiag),
- logical network diagram (w/ nwdiag).
- sequence diagram (w/ seqdiag),

All these tools layouts diagram elements automatically and generates beautiful diagram images from simple text format (similar to graphviz's DOT format).

4.1. actdiag

actdiag is a simple activity-diagram image generator and generates activity-diagram images from .diag files (similar to graphviz's DOT files).

— Takeshi KOMIYA, http://blockdiag.com/en/actdiag/index.html

4.1.1. Internal diagram source





4.2. blockdiag

blockdiag generates block-diagram images from .diag files (similar to graphviz's DOT files).

— Takeshi KOMIYA, http://blockdiag.com/en/blockdiag/index.html

4.2.1. Internal diagram source



4.2.2. External diagram source file



4.3. nwdiag

nwdiag generates network-diagram images from .diag files (similar to graphviz's DOT files).

— Takeshi KOMIYA, http://blockdiag.com/en/nwdiag/index.html

4.3.1. Internal diagram source



And, nwdiag package includes more scripts called rackdiag and packetdiag.

4.3.2. rackdiag

rackdiag generates rack-structure diagram images:

8	L3 Switch
7	Load Balancer
6	Web Server
5	Web Server
4	Web Server
3	DB Server
2	UPS
1	[2U]

4.3.3. packetdiag

packetdiag generates packet header diagram images:





4.4. seqdiag

seq diag generates sequence-diagram images from .diag files (similar to graphviz's DOT files).

— Takeshi KOMIYA, http://blockdiag.com/en/seqdiag/index.html

4.4.1. Internal diagram source





Chapter 5. BPMN

BPMN everywhere, for everyone

Create, embed and extend BPMN diagrams.

— bpmn.io, https://bpmn.io/toolkit/bpmn-js/

5.1. Internal diagram source





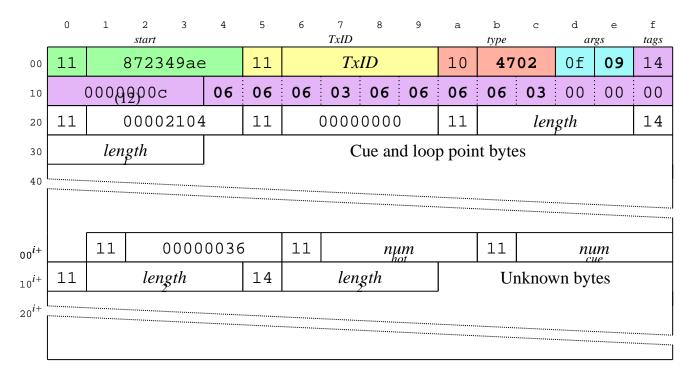
Chapter 6. Bytefield

Generating byte field diagrams.

— bytefield, https://github.com/Deep-Symmetry/bytefield-svg

6.1. Internal diagram source





Chapter 7. Diagrams as (Python) Code

Diagrams — Diagram as Code

Diagrams lets you draw the cloud system architecture in Python code.

It was born for prototyping a new system architecture without any design tools. You can also describe or visualize the existing system architecture as well.

— Diagrams, https://diagrams.mingrammer.com/

7.1. Internal diagram source





Stateful Architecture

Chapter 8. Ditaa

Ditaa is a small command-line utility written in Java, that can convert diagrams drawn using ascii art into proper bitmap graphics.

— ditaa, http://ditaa.sourceforge.net/

8.1. Internal diagram source





Chapter 9. Dpic

Dpic is an implementation of the pic "little language" for creating line drawings and illustrations for documents, web pages, and other uses.

— J. D. Aplevich, https://gitlab.com/aplevich/dpic

9.1. Internal diagram source





Chapter 10. ERD

Translates a plain text description of a relational database schema to a graphical entity-relationship diagram.

— erd, https://github.com/kaishuu0123/erd-go

10.1. Internal diagram source





Chapter 11. Gnuplot

Gnuplot is a portable command-line driven graphing utility originally created to allow scientists and students to visualize mathematical functions and data interactively, but has grown to support many non-interactive uses such as web scripting.

— Gnuplot, http://gnuplot.info/

11.1. Internal diagram source

Simple Plots



Mandelbrot function

mand({0,0},compl(x,y),30) ———



Chapter 12. graphviz

Graphviz is open source graph visualization software. Graph visualization is a way of representing structural information as diagrams of abstract graphs and networks. It has important applications in networking, bioinformatics, software engineering, database and web design, machine learning, and in visual interfaces for other technical domains.

— graphviz, https://graphviz.gitlab.io/

12.1. Internal diagram source





Chapter 13. meme



Chapter 14. mermaid

I had a forward slash defined in the label of a diagram node.

```
graph LR
M[Main\n/]
```

This could be rendered successfully by other mermaid engines, like the one that renders the preview in the vscode plugin. But caused mmdc to crash with

```
Error: Evaluation failed: Error: Diagram error not found.

at pptr://__puppeteer_evaluation_script__:45:17

at ExecutionContext._ExecutionContext_evaluate (...)

at process.processTicksAndRejections (...)

at async ExecutionContext.evaluate (...)

at async CDPJSHandle.evaluate (...)

at async CDPElementHandle.$eval (...)

at async renderMermaid (...)

at async parseMMD (...)

at async run (...)

at async cli (...)
```

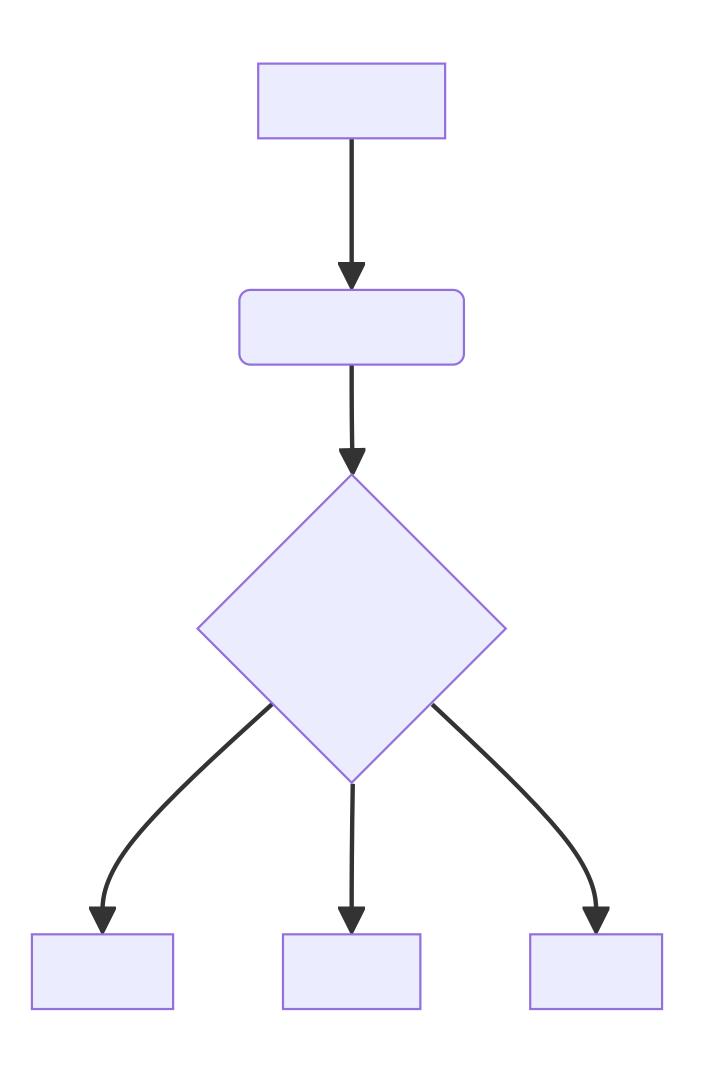
However, as soon as I add double quotes

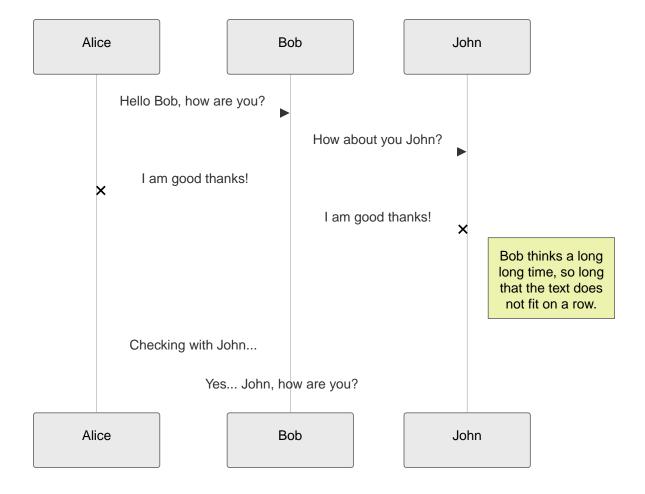
```
graph LR
M["Main\n/"]
```

everything works fine. So this is rather an issue to handle in mermaid-js/mermaid-cli (if at all).

— gibso (@github), https://github.com/barthel/docker-asciidoctor/pull/3

14.1. Internal diagram source





Chapter 15. mscgen

Mscgen is a small program that parses Message Sequence Chart descriptions and produces PNG, SVG, EPS or server side image maps (ismaps) as the output. Message Sequence Charts (MSCs) are a way of representing entities and interactions over some time period and are often used in combination with SDL.

- mscgen, http://www.mcternan.me.uk/mscgen/

15.1. Internal diagram source

The mscgen backend is currently not supported.

15.2. External diagram source file

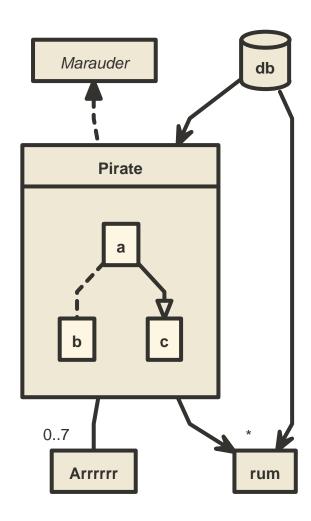
The mscgen backend is currently not supported.

Chapter 16. Nomnoml

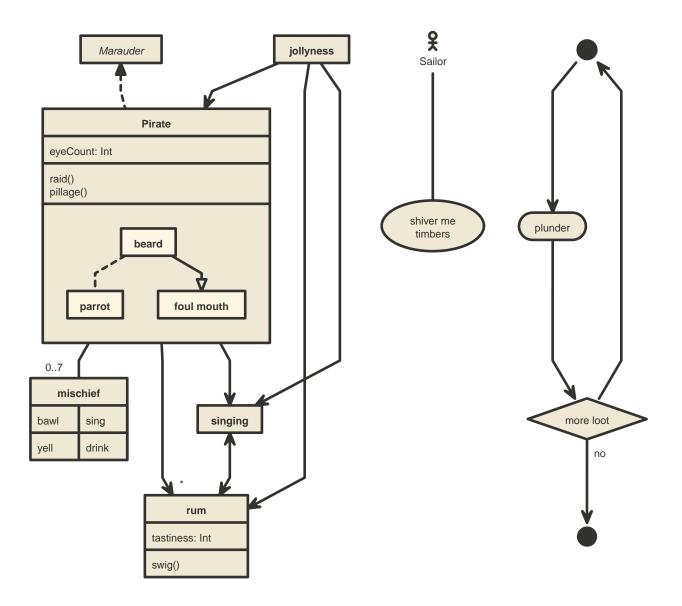
Nomnoml is a tool for drawing UML diagrams based on a simple syntax. It tries to keep its syntax visually as close as possible to the generated UML diagram without resorting to ASCII drawings.

— Daniel Kallin, https://github.com/skanaar/nomnoml

16.1. Internal diagram source



16.2. External diagram source file

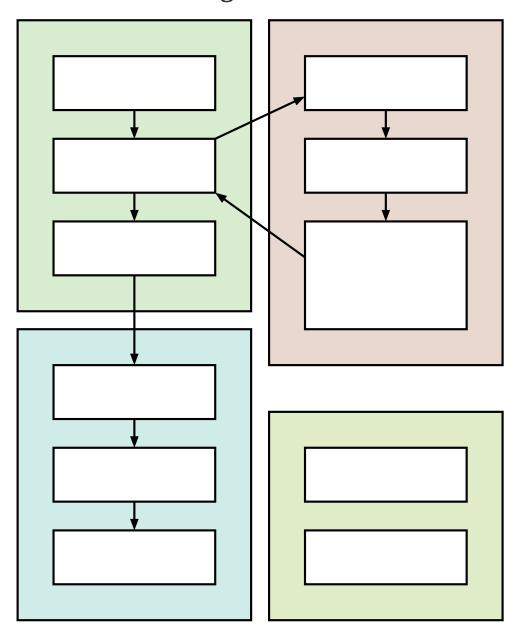


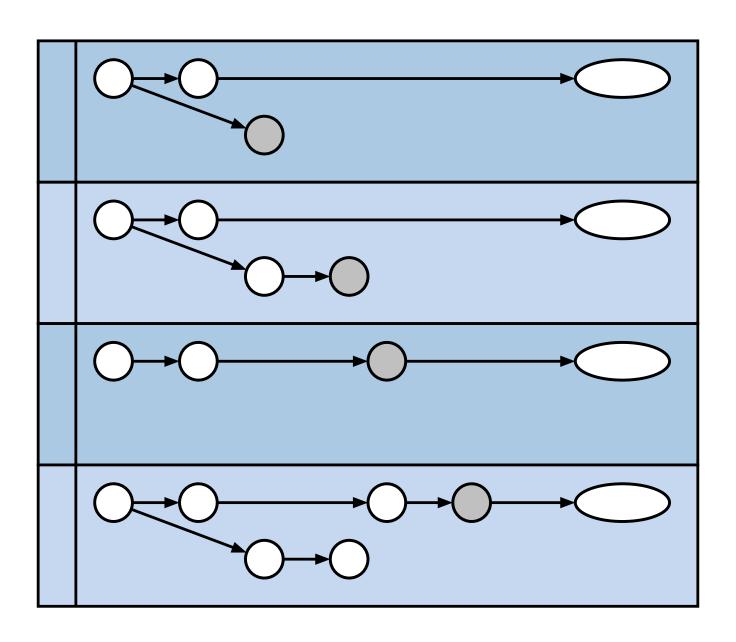
Chapter 17. Pikchr

Pikchr (pronounced "picture") is a PIC-like markup language for diagrams in technical documentation. Pikchr is designed to be embedded in fenced code blocks of Markdown or similar mechanisms of other documentation markup languages.

— Pikchr, https://pikchr.org/home/doc/trunk/homepage.md

17.1. Internal diagram source





Chapter 18. PlantUML

PlantUML is a component that allows to quickly write :

- Sequence diagram
- Usecase diagram
- Class diagram
- Activity diagram (here is the legacy syntax)
- Component diagram
- State diagram
- · Object diagram
- Deployment diagram
- Timing diagram

The following non-UML diagrams are also supported:

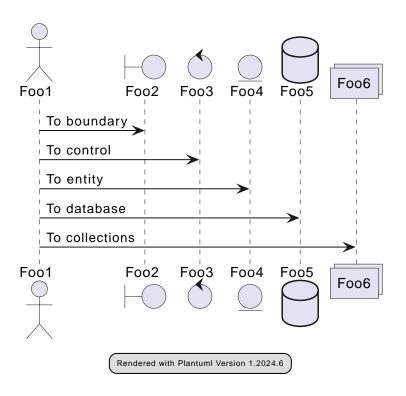
- Network
- Wireframe graphical interface
- Archimate diagram
- Specification and Description Language (SDL)
- Ditaa diagram
- Gantt diagram
- MindMap diagram
- Work Breakdown Structure diagram
- Mathematic with AsciiMath or JLaTeXMath notation
- Entity Relationship diagram

Diagrams are defined using a simple and intuitive language.

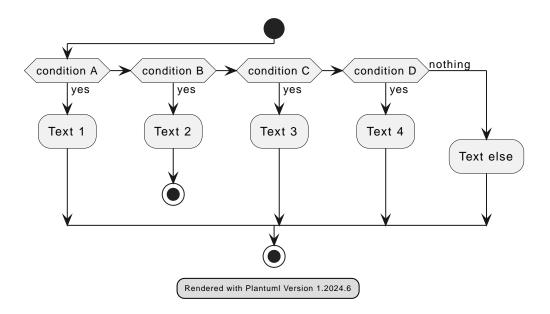
— PlantUML, https://plantuml.com/

18.1. PlantUML

18.1.1. Internal diagram source



18.1.2. External diagram source file

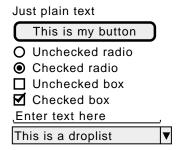


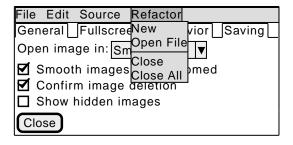
18.2. Salt

Salt is a subproject included in PlantUML that may help you to design graphical interface.

— PlantUML, https://plantuml.com/salt

18.2.1. Internal diagram source





Chapter 19. state-machine-cat (smcat)

State Machine cat

write beautiful state charts

— Sander Verweij, https://github.com/sverweij/state-machine-cat

19.1. Internal diagram source







Chapter 20. Svgbob

Sygbob can create a nice graphical representation of your text diagrams.

— Jovansonlee Cesar, https://github.com/ivanceras/svgbob/

20.1. Internal diagram source







Chapter 21. Symbolator

Symbolator is a component diagramming tool for VHDL and Verilog. It will parse HDL source files, extract components or modules and render them as an image.

— Kevin Thibedeau, https://kevinpt.github.io/symbolator

21.1. Internal diagram source





Chapter 22. Syntrax

Syntrax is a railroad diagram generator. It creates a visual illustration of the grammar used for programming languages.

— Kevin Thibedeau, https://kevinpt.github.io/syntrax

22.1. Internal diagram source





Chapter 23. Tikz

"What is TikZ?"

Basically, it just defines a number of TEX commands that draw graphics.

— Till Tantau, https://pgf-tikz.github.io/pgf/pgfmanual.pdf

23.1. Internal diagram source





Chapter 24. UMLet

UMLet is a free, open-source UML tool with a simple user interface: draw UML diagrams fast, create sequence and activity diagrams from plain text, share via exports to eps, pdf, jpg, svg, and clipboard, and develop new, custom UML elements.

— The UMLet Team, https://www.umlet.com

24.1. Internal diagram source



The umlet backend currently does not support internal diagram sources.



Chapter 25. Vega Lite

Vega-Lite is a high-level grammar of interactive graphics. It provides a concise, declarative JSON syntax to create an expressive range of visualizations for data analysis and presentation.

— Vega, https://vega.github.io/vega-lite/

25.1. Internal diagram source





Chapter 26. Vega

Vega is a visualization grammar, a declarative language for creating, saving, and sharing interactive visualization designs. With Vega, you can describe the visual appearance and interactive behavior of a visualization in a JSON format, and generate web-based views using Canvas or SVG.

— Vega, https://vega.github.io/vega/

26.1. Internal diagram source



26.2. External diagram source file



Chapter 27. WaveDrom

WaveDrom draws your Timing Diagram or Waveform from simple textual description.

— WaveDrom, https://wavedrom.com/

27.1. Internal diagram source





iidoctor Pro Retrieved M)iagram. ht	tps://asciido	ctor.org/doo	cs/asciidoctor