

AsciiArt Tutorial

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1 AsciiArt Tutorial

This document describes site reconstruction need for converting simple ascii art text files to *SVG/JPEG*.

2 AsciiArt Generator

The ascii art is provided as simple text content. The *AsciiArtGenerator* reads this text files, builds internally a *AsciiArtPad* object. This object is used by the *AsciiArtSVGGenerator* to generate *SVG*. Finally the serializer *svg2jpg* - already available by Cocoon - is used to serialize the *SVG* content to *JPEG*.

The following figures shows the data flow of the ascii art processing components

2.1 AsciiArtPad

An ascii art pad recognized following ascii characters

- '-' horizontal *SVG* line
- '|' vertical *SVG* line
- '+' corner
- String starting with letter, digit, or '_' is converted to a *SVG* text.

2.2 AsciiArt Text Sample

The figure above as ascii art text file, being the input of the above image.



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`asciiart/*.jpg` is requested. An `ascii` text file from the context directory `resources/asciiart` is feed in to the *AsciiArtSVGGenerator*, and serialized via *SVG* to an *JPEG* image.

The `sitemap` parameter `line-attribute`, and `text-attribute` are optional; you may want to use to adopt the *SVG* rendering to your needs.

4 Summary

This article describes how to add a Cocoon generator for generating *SVG* from a simple `ascii` art text file.

Further releases may use the *FragmentTransformer*, and *FragmentGenerator* provided by Cocoon for providing `xml` document inline `ascii` art content. This feature offers to include `ascii` arts inline in the containing `xml` document.