

# Stylus and How to Use It in Infusion

Stylus documentation: <http://learnboost.github.io/stylus/>

Stylus tutorial: <http://learnboost.github.io/stylus/try.html>

## What is Stylus

Stylus is a CSS pre-processor, that runs in node.js or even a web browser.

## Why Use a CSS pre-processor

- Easier to maintain
  - reduces duplication (e.g. variables, mixins, functions, and etc)
  - improved organization

## Why Stylus

- Runs in node.js
- Rich functionality
- Flexible syntax

## Stylus convention for Infusion

- Keep colons, semi-colons and brackets (for readability)

## How to prevent grunt from compiling utility Stylus files

Utility Stylus files only contain mixins or functions for other Stylus files to import. Utility files should not be compiled down to CSS, to prevent the grunt task `grunt buildStylus` from compiling them, place these files in a "utils" directory. This is [an example of the utility directory](#).

## Steps to convert an infusion CSS to Stylus

- Create a "stylus" directory inside of the modules css directory and place all stylus files in the "stylus" directory
- If utility Stylus files are needed, create a "utils" sub-directory within the "stylus" directory and place the utils files within
- To compile to CSS, from the command line run `grunt buildStylus`. This will place the compiled CSS files directly in the parent css directory

### Example Structure

- component
  - css
    - stylus
      - utils

## To be converted

What	People	Estimate	Notes
<input checked="" type="checkbox"/> <a href="#">FLUID-5560</a> - Convert Inline Edit CSS to Stylus <span>OPEN</span> Inline Editor - <a href="https://github.com/fluid-project/infusion/tree/master/src/components/inlineEdit/css">https://github.com/fluid-project/infusion/tree/master/src/components/inlineEdit/css</a>			
<input checked="" type="checkbox"/> <a href="#">FLUID-5561</a> - Convert Pager CSS to Stylus <span>REOPENED</span> Pager - <a href="https://github.com/fluid-project/infusion/tree/master/src/components/pager/css">https://github.com/fluid-project/infusion/tree/master/src/components/pager/css</a>			
<input checked="" type="checkbox"/> <a href="#">FLUID-5562</a> - Convert Reorderer CSS to Stylus <span>OPEN</span> Reorderer - <a href="https://github.com/fluid-project/infusion/tree/master/src/components/reorderer/css">https://github.com/fluid-project/infusion/tree/master/src/components/reorderer/css</a>			
<input checked="" type="checkbox"/> <a href="#">FLUID-5570</a> - Convert Table of Contents CSS to Stylus <span>OPEN</span> Table of contents - <a href="https://github.com/fluid-project/infusion/tree/master/src/components/tableOfContents/css">https://github.com/fluid-project/infusion/tree/master/src/components/tableOfContents/css</a>			
<input checked="" type="checkbox"/> <a href="#">FLUID-5571</a> - Convert Uploader CSS to Stylus <span>OPEN</span> Uploader - <a href="https://github.com/fluid-project/infusion/tree/master/src/components/uploader/css">https://github.com/fluid-project/infusion/tree/master/src/components/uploader/css</a>			

<input checked="" type="checkbox"/> <b>FLUID-5572</b> - Convert fluid.css to Stylus <input type="button" value="OPEN"/> Framework core - <a href="https://github.com/fluid-project/infusion/tree/master/src/framework/core/css">https://github.com/fluid-project/infusion/tree/master/src/framework/core/css</a>			
<input checked="" type="checkbox"/> <b>FLUID-5573</b> - Convert Progressive Enhancement CSS to Stylus <input type="button" value="OPEN"/> Progressive enhancement - <a href="https://github.com/fluid-project/infusion/tree/master/src/framework/enhancement/css">https://github.com/fluid-project/infusion/tree/master/src/framework/enhancement/css</a>			
<input checked="" type="checkbox"/> <b>FLUID-5574</b> - Convert Overview Panel CSS to Stylus <input type="button" value="OPEN"/> Overview Panel - <a href="https://github.com/fluid-project/infusion/tree/master/src/components/overviewPanel/css">https://github.com/fluid-project/infusion/tree/master/src/components/overviewPanel/css</a> (relatively difficult involving themes)			