IMPROVING PILLAR GENERATION PROCESSES
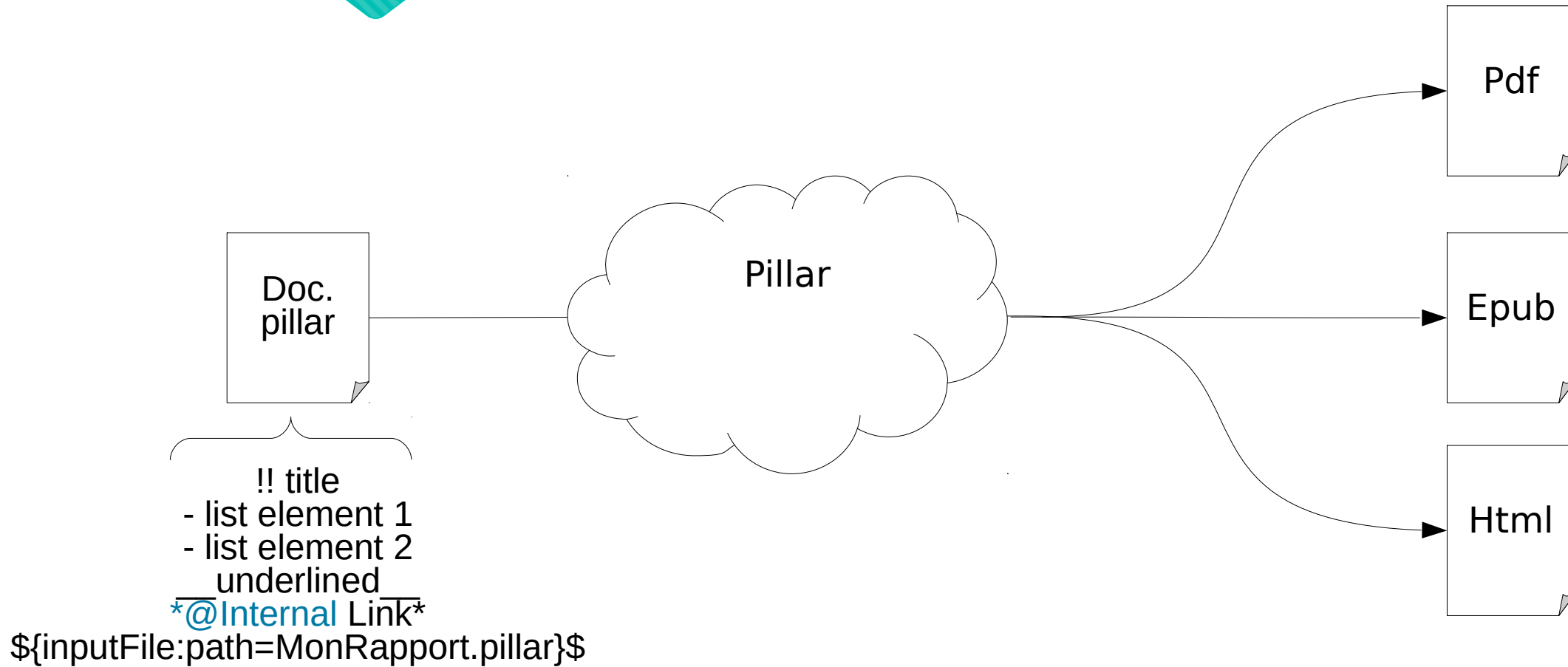
Biyalou-Sama Asbathou

Plan

- Context
- Problems
- Solutions
- Demo
- Next Steps

Context

Doc.
pillar

Pillar

Pdf

Epub

Html

!! title
- list element 1
- list element 2
underlined
@Internal Link
${inputFile:path=MonRapport.pillar}$

3

Problems

➢ Html templates were not in good state

➢ No Easy Hosting

➢ Compilation was not efficient

➢ Errors Handling and Reporting were not good

My Main Contributions

- Propose new archetypes for books and personal websites

- Implement a pillar module to generate table of contents

- Automatic deploy platform using Continuous Integration

- Blogging / News list components

A new archetype for Html

- Get some existing templates from another template engine

- Adapt templates to Mustache template system

- Manage support files (css, img, js …) to have an archetype

New Book Archetype Example

PUBLISHING DOCUMENTS WITH PILLAR 7.0

The current document is a little tutorial to show you how to begin with the creation of booklet. It describes the installation, customisation and integration with travis and bintray online services. From that perspective it can be mapped to other integration services.

We will use bintray to store the latest pdf produced by travis and we will use github to store the released pdf.

About Pillar

Pillar is a system to manage documents (books, presentations, web sites). It is able to emit resulting documents in multiple formats (html, markdown, latex, AsciiDoc). It is composed of several modules such as importers, transformers, document model and outputers.

This book describes Pillar in its current version 7.0. Pillar is currently developed and maintained by Stéphane Ducasse and Guillermo Polito. The original author of Pillar was Damien Cassou. Many people have also contributed to Pillar: Ben Coman, Guillermo Polito, Lukas Renggli (original author of Pier from which a first version of Pillar has been extracted), Benjamin van Ryseghem, Cyril Ferlicot-Delbecque, Thibault Arloing and Yann Dubois.

This book adapts, extends, clarifies the chapter explaining Pillar in the *Enterprise Pharo: a Web Perspective* book.
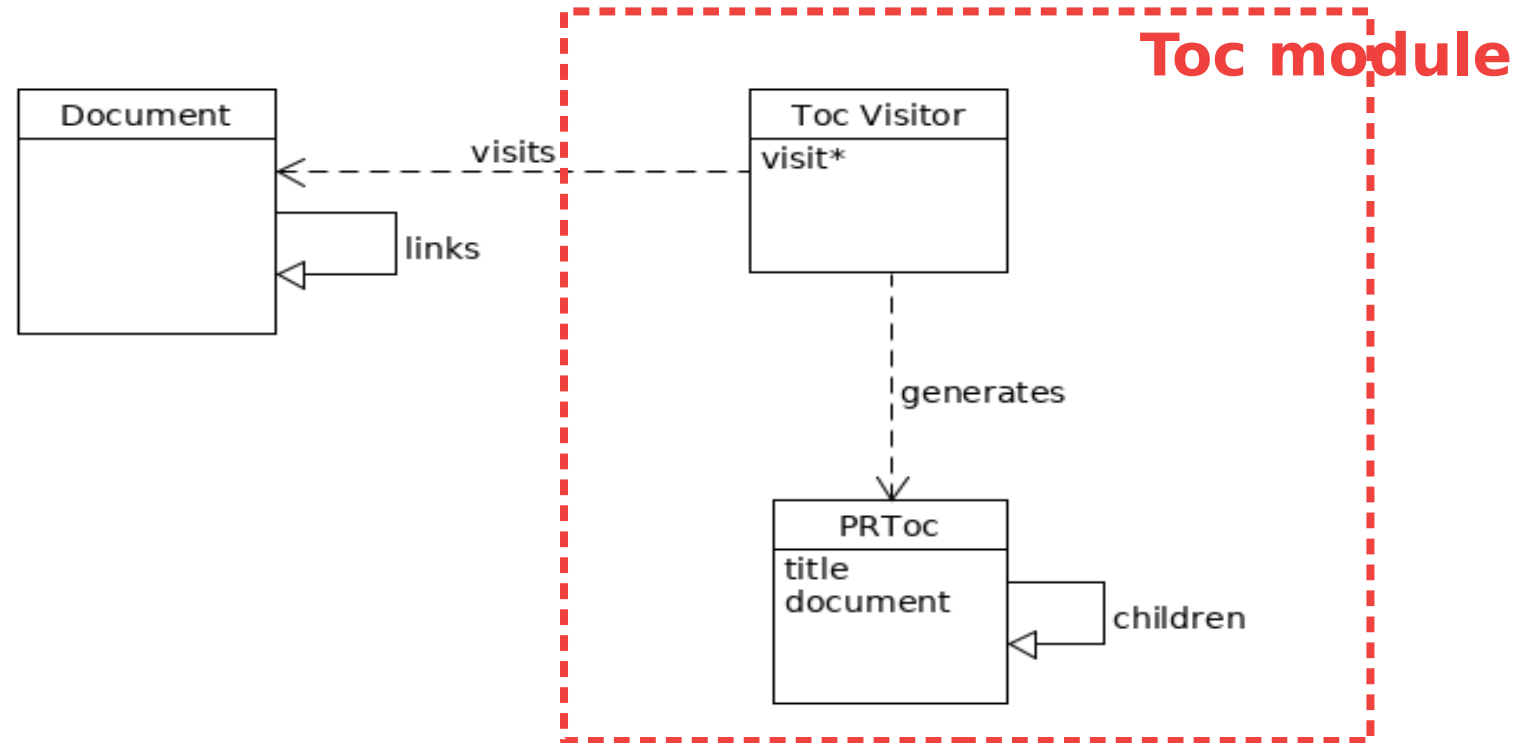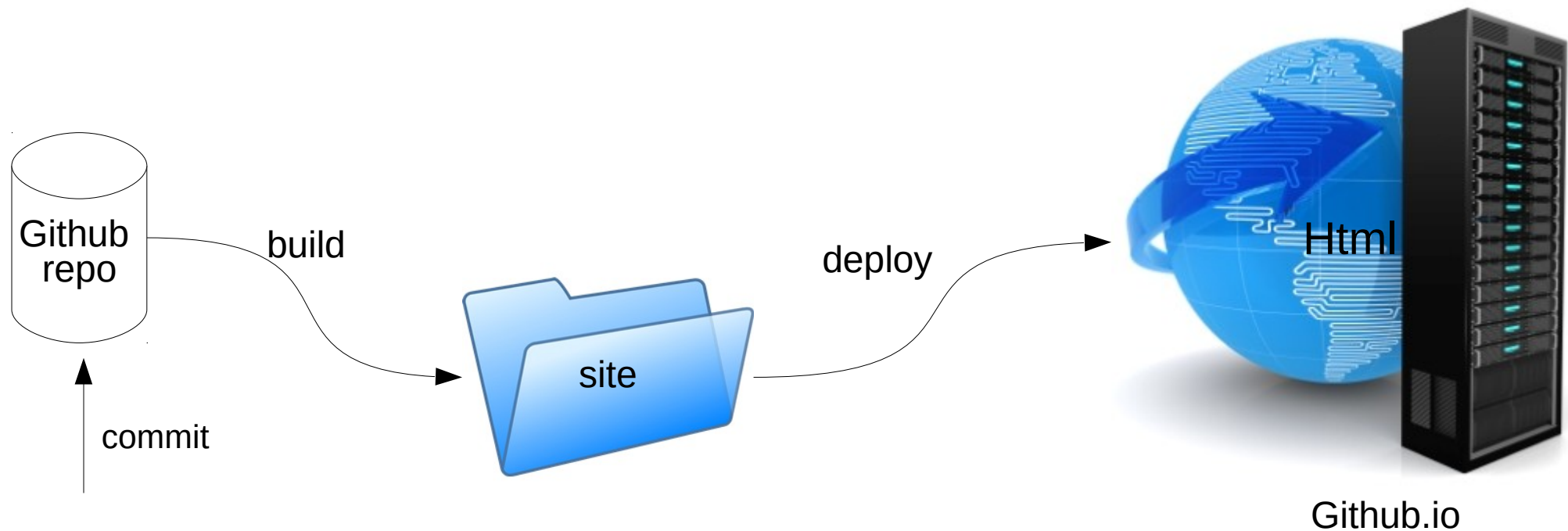
Pillar was sponsored by ESUG.

Introduction

Pillar (hosted at http://github.com/pillar-markup) is a markup language and associated tools to write and generate documentation, books (such as this one), web sites, and slide-based presentations. The Pillar screenshot in Figure shows the HTML version of chapter Voyage.

Pillar Toc module

Rendering the TOC

Automatic Deploy : Github + Travis

TRAVIS CONTINUOUS INTEGRATION

10

Personal Sites Archetype

Demo

Next Steps

➢ Blogging Plugin for personal sites
➢ New system of compilation : Mike
➢ Review the way warnings and errors are reported

Conclusion

Github repo

commit

build

site

deploy

Github.io

TRAVIS CONTINUOUS INTEGRATION

Toc Visit

Toc Tests

- actualClass
  - createCyclicPillarFile1
  - createPillarFile1
  - createPillarFile2
  - createPillarFile3
- setUp
- tearDown
- testDocumentWithCyclicInputShouldRaiseError
- testDocumentWithInputAnnotationAndTitle
- testDocumentWithInputAnnotationContainsMultipleTocs
- testDocumentWithInputAnnotationHasTocs
- testDocumentWithOnlyInputAnnotation
- testDocumentWithoutInputAnnotationOnlyContainsTitles
- testTitlesHaveGoodFileRefs
- testTocChildrenHasTheSameLevel
- testTocHasGoodLevelOfChildren
- testTocHasOneChildren
- testTocIsEmpty
- testTocOnlyContainsTocs

Travis config

```
language: smalltalk

os:
    - linux

smalltalk:
    - Pharo-6.1

env:
  matrix:
    - JOB=test TYPE=System ARCHETYPE=book OUTPUT=html

install:
    # Pillar installation
    - git clone https://github.com/pillar-markup/pillar.git .pillar -b dev-7  # Clone pillar
    - cd .pillar && ./scripts/build.sh && cd ..

script:
    - .pillar/build/pillar build html
    - cd _result/html && touch .nojekyll && cd ..

deploy:
    provider: pages
    skip-cleanup: true
    github-token: $GH_TOKEN
    keep-history: true
    local_dir: _result/html
    on:
```
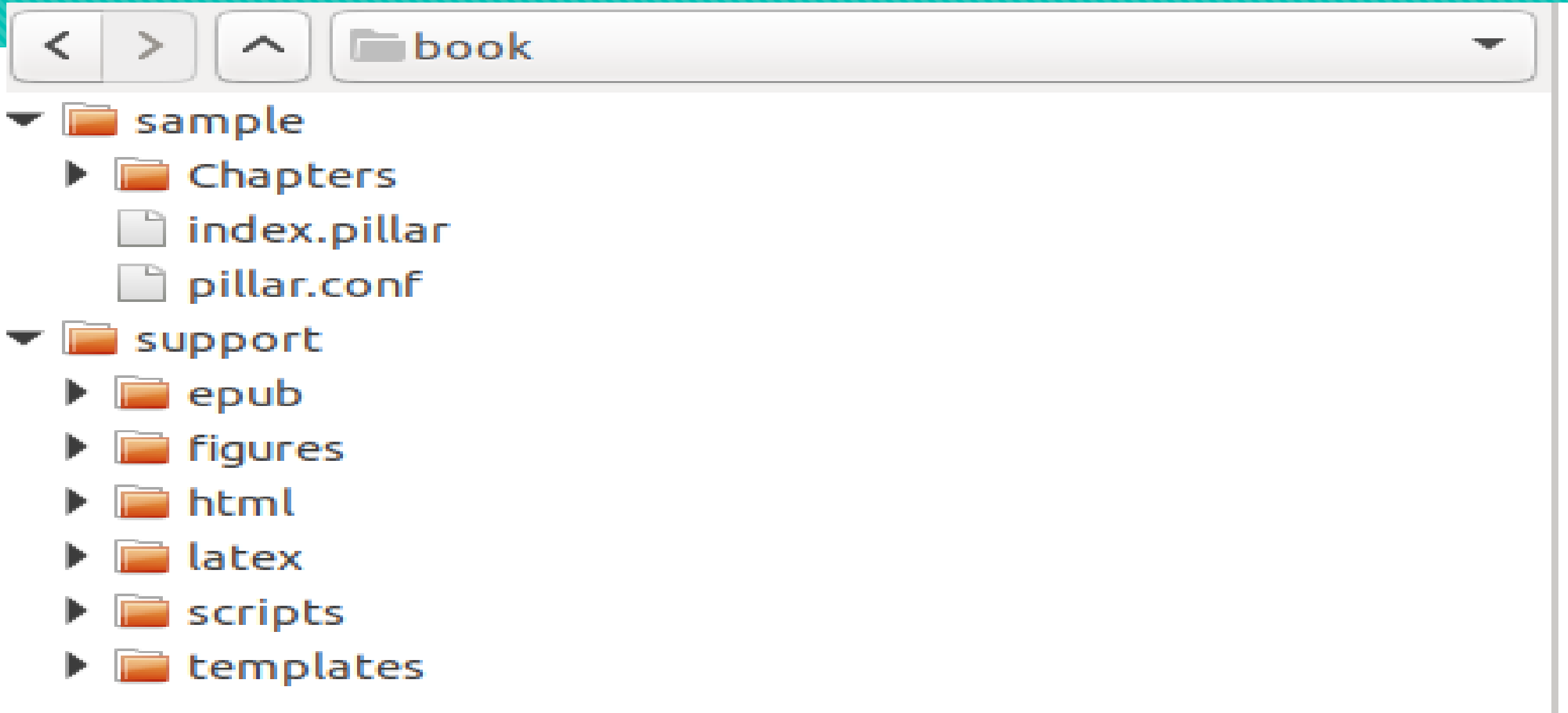
Mustache template New archetype

```
3 <div class="burger"><a href="javascript:void(0);" style="font-size:15px;">&#9776;</a></div>
4
5 </header>
6 <article>
7   <aside>
8     <ul class="menu">
9             <li data-nav-id="123" class="dd-item">
0             <a href="{{base_url}}">
1                     <i class="fa fa-fw fa-home"></i>
2             </a>
3       </li>
4
5             {{# toc.children }}
6               <li class="dd-item {{# hasChildren}} haschildren {{/ hasChildren}}">
7                   <div>
8                     <a href="{{base_url}}{{href}}">
9                                 {{name}}
0                     </a>
1                 {{# hasChildren}} <i class="fa fa-angle-right fa-lg category-icon"></i> {{/ hasChildren}}
2                   </div>
3                     <ul class="dd-item">
4                       {{# children }}
5                       <li class="dd-item {{# hasChildren}} haschildren {{/ hasChildren}}">
6                             <div>
7                                 <a href="{{base_url}}{{href}}">
8                                         {{name}}
9                                 </a>
0                                 {{# hasChildren}}<i class="fa fa-angle-right fa-lg category-icon"></i>{{/ hasChildren}}
1                             </div>
2
3                             <ul class="dd-item">
4                             {{# children }}
5                                 <li class="dd-item">
6                                     <a href="{{base_url}}{{href}}">{{name}}</a>
7                                 </li>
8                             {{/ children }}
9                             </ul>
0                       </li>
1                       {{/ children }}
2                     </ul>
3
4                 </li>
5             {{/ toc.children }}
6     </ul>
7   </aside>
8
9   <section class="page">
0
1         <h1>{{title}}</h1>
2
3         {{{content}}}
```

Archetype architecture

Pillar syntax

Headers

!Header 1

!!Header 2

!!!Header 3

Special Paragraphs

| Annotation | @@note this is a note |
| Todo | @@todo this is todo |

Lists

| - Unordered List | # Ordered List |
| ; Description Term | : Description Definition |

Text Formats

""bold""

''italic''

--strikethrough--

__underscore__

==monospace==

@@subscript@@

Comment

% each line starting with % is ignored

Tables

| || Centered Cell | |!| Centered Title |
| |{ Left-Aligned Cell | |} Right-Aligned Cell |

Links

Anchor	@anchor
Internal Link	*@anchor*
External Link	*Google>www.google.fr*

Figures

```
+Caption>file://pic.png|width=50|label=fig+
```

Scripts

```
[[[label=hello|language=Smalltalk
Transcript show: 'Hello World'.
]]]
```

Raw

```
{{{latex:
injects raw \LaTeX in your output file
}}}
{{{html:
injects raw <b>html</b> in your output file
}}}
```