

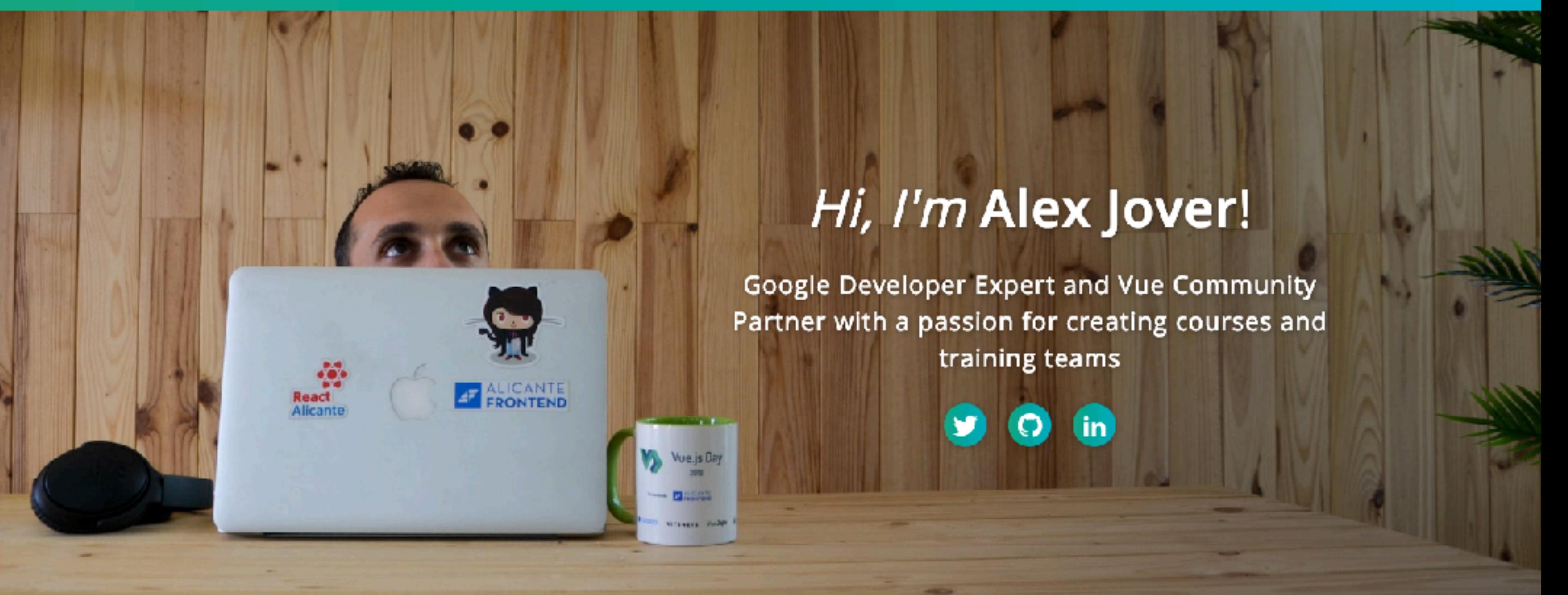
Intro to VuePress Next (1.x)

ULIVZ x 真山

蚂蚁金服微贷前端团队 · Vue.js Team

首先，我们来看一些来自社区的作品

Special thanks to @vicbergquist ❤️



Hi, I'm Alex Jover!

Google Developer Expert and Vue Community Partner with a passion for creating courses and training teams



Welcome! I want to use this web to help you sharpen your skills on **JavaScript, Vue and the Web Platform**. I'm a fanatic of **Web Performance** and **Progressive Web Apps** with broad experience writing apps and training teams following these patterns.

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[I WANT FREE CONTENT](#)

ARTICLES

[1 year organising Alicante Frontend](#)

Here are my insights about organising Alicante Frontend's meetup after a year.

[My tips to be a happier developer](#)

Learn a few tips to be a happier and better developer and be a better team player

[Enhance Jest configuration with Module Aliases](#)

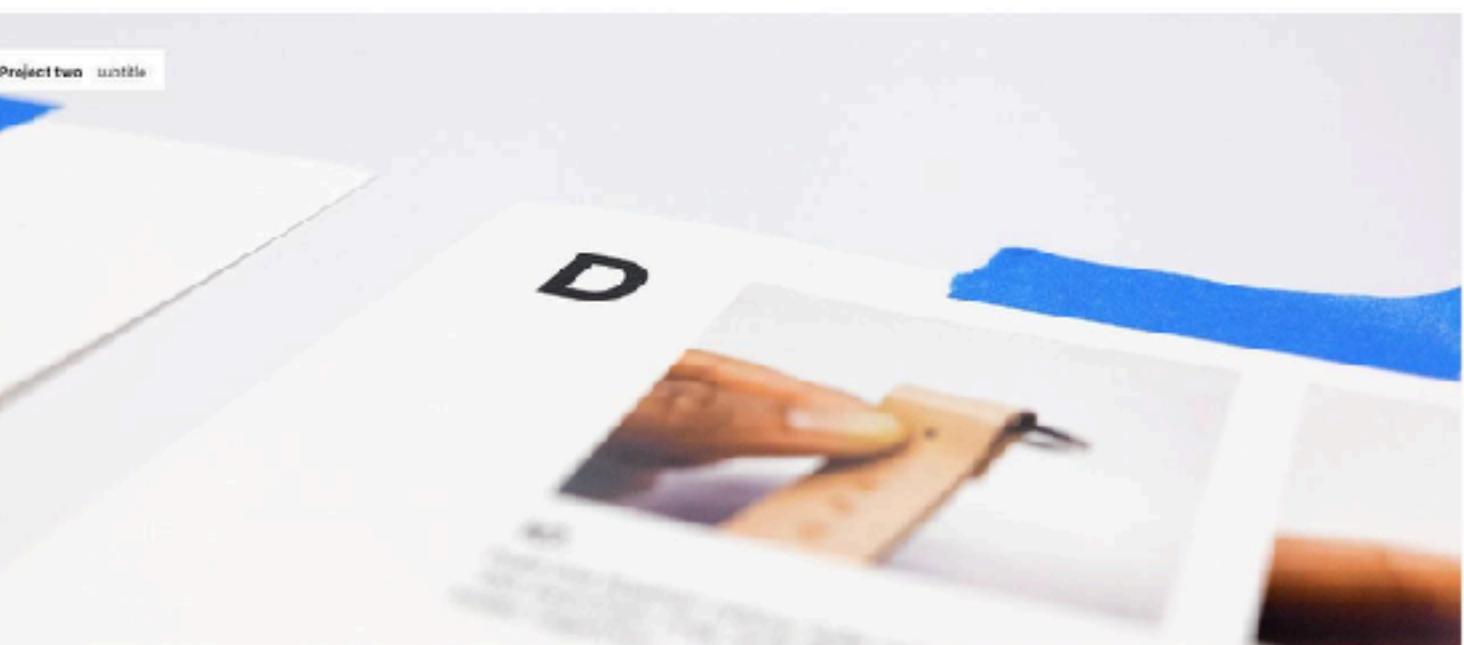
Learn how to use Module Aliases Jest configuration to avoid using relative paths

[SEE THEM ALL](#)

<https://alexjover.com/>



We're Acme, we work for brands.
But most importantly, we work for
fun.

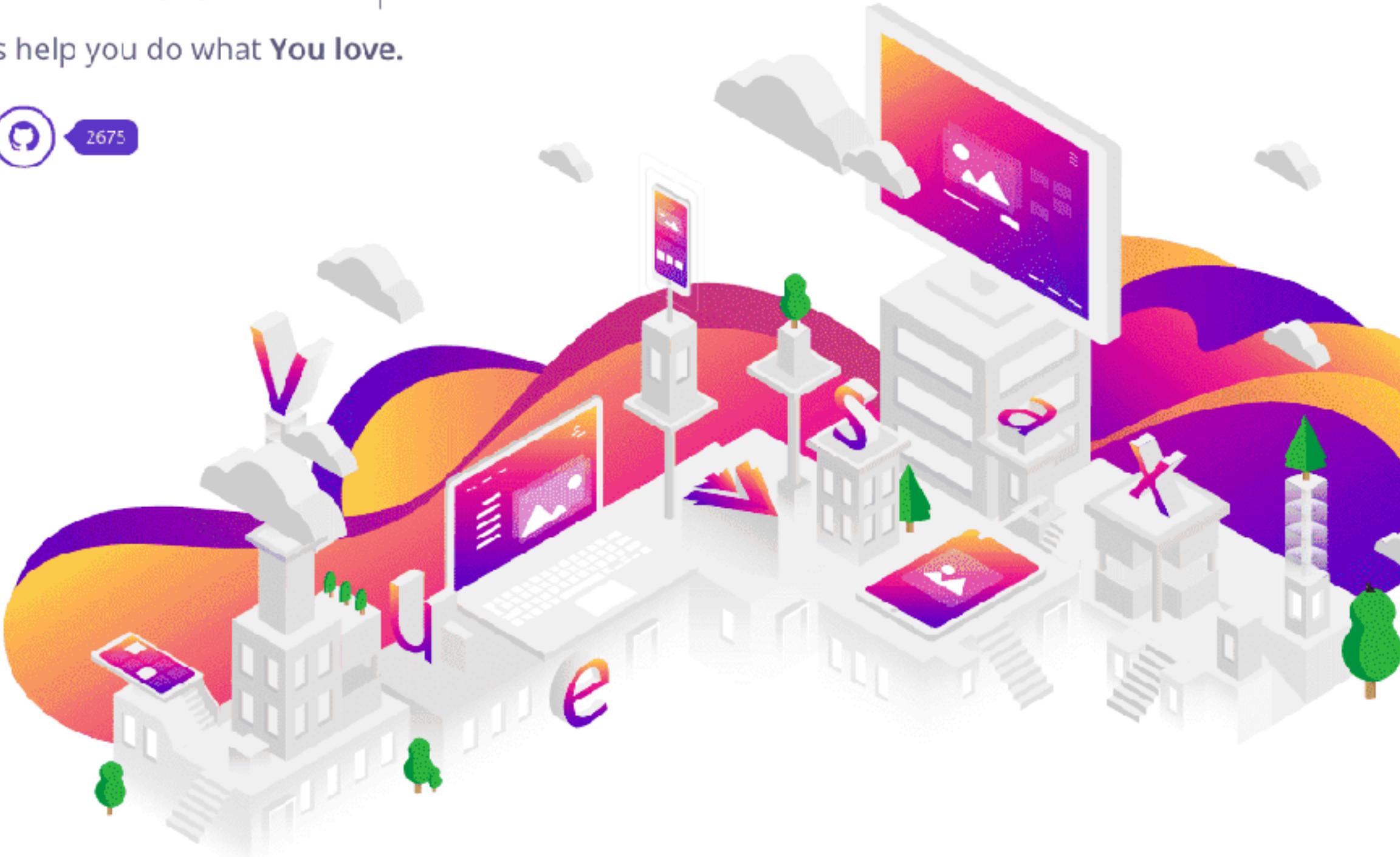


<https://vuepress-portfolio.netlify.com/>



Vuesax Frontend Vue Components

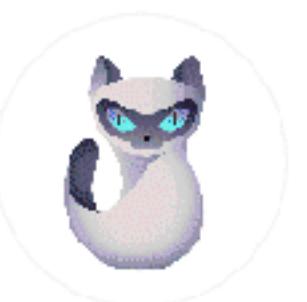
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<https://lusaxweb.github.io/vuesax>



HELLO, I'M AMIE, A UI DESIGNER & DEVELOPER.

<https://www.amie-chen.com/>

Since 2010, I've helped several startups and companies to design and build their applications, including Twitch, Signal and many others. When I'm not on my computer, I like to draw trippy stuff and play boardgames.

Current Projects

APP

Pretzel

A smart, simple desktop app that shows and searches keyboard shortcuts based on your currently focused app.

EXTENSION

Dribbble Color Generator

Generate a .sketchpalette file from any dribbble shot's color palette to be loaded in Sketch-Palette plugin.

SaaS

Stitches

Stitches is a HTML template generator with functional CSS.

EXTENSION

Yoink

Simple bulk select words in any webpage.

想查看更多的案例

[vuepress.gallery](#)
[awesome-vuepress](#)

1

什么是 VuePress

静态
生成

默认
主题

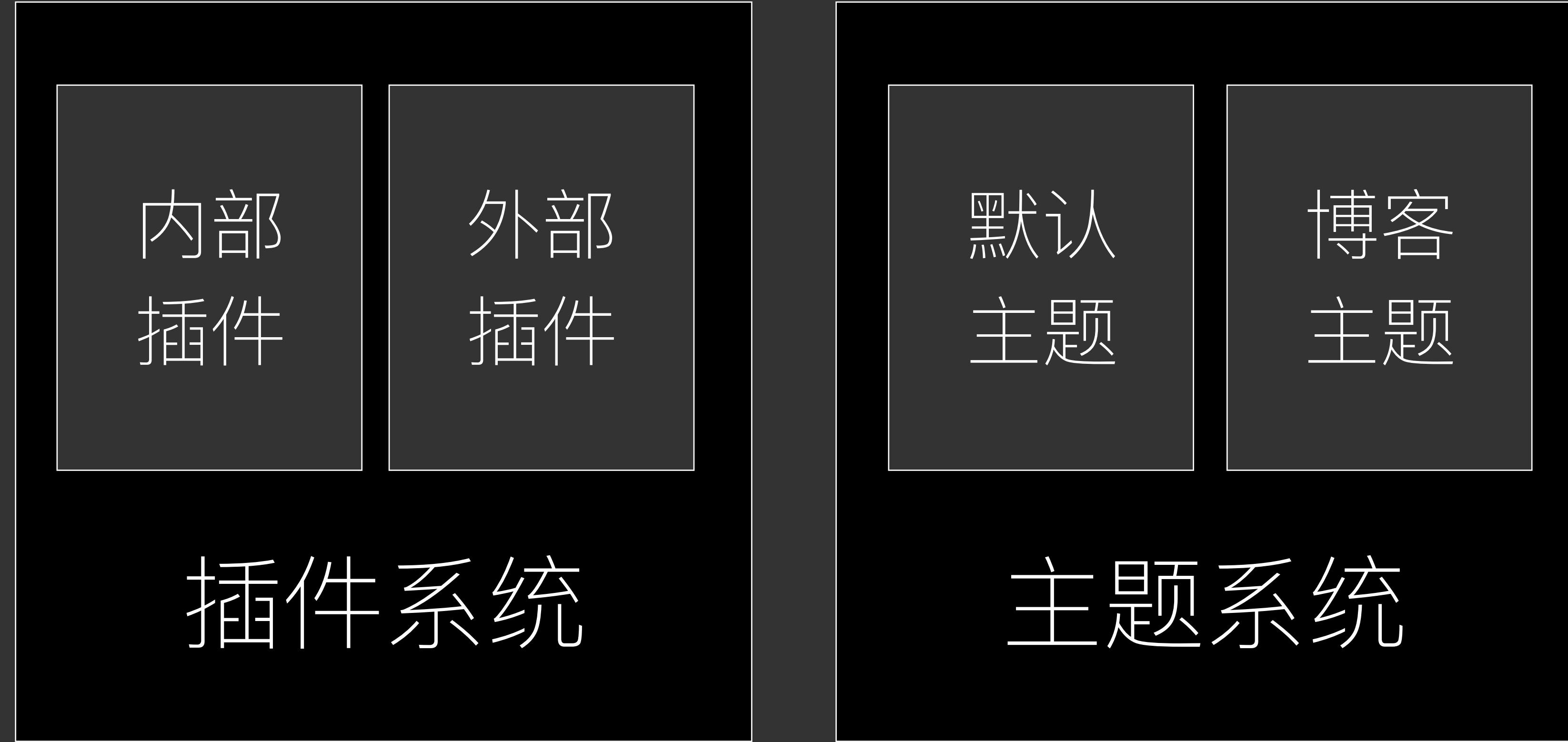
布局
系统

「在 Markdown 中使用 Vue」
简单的主题系统
「入口只能是一个 SFC」

VuePress 0.X

静态网站 生成器

布局
系统



VuePress 1.x

<https://v1.vuepress.vuejs.org/zh/miscellaneous/design-concepts.html>

2

快速上手

create-vuepress

```
$ yarn create vuepress
```

```
? Select the boilerplate type (Use arrow keys)
> docs          - Create a documentation project with VuePress
      blog        - Create a blog with VuePress.
```

```
yarn create vuepress
? Select the boilerplate type docs
? What's the name of your project? my-docs
? What's the description of your project? My Docs
? What's your email? chl814@foxmail.com
? What's your name? ULIVZ
? What's the repo of your project. https://github.com/ulivz/docs
```

```
$ yarn && yarn dev
```

```
> VuePress dev server listening at http://localhost:8080/
```

localhost

Vuepress Docs Boilerplate

Guide Config VuePress



Vuepress Docs Boilerplate

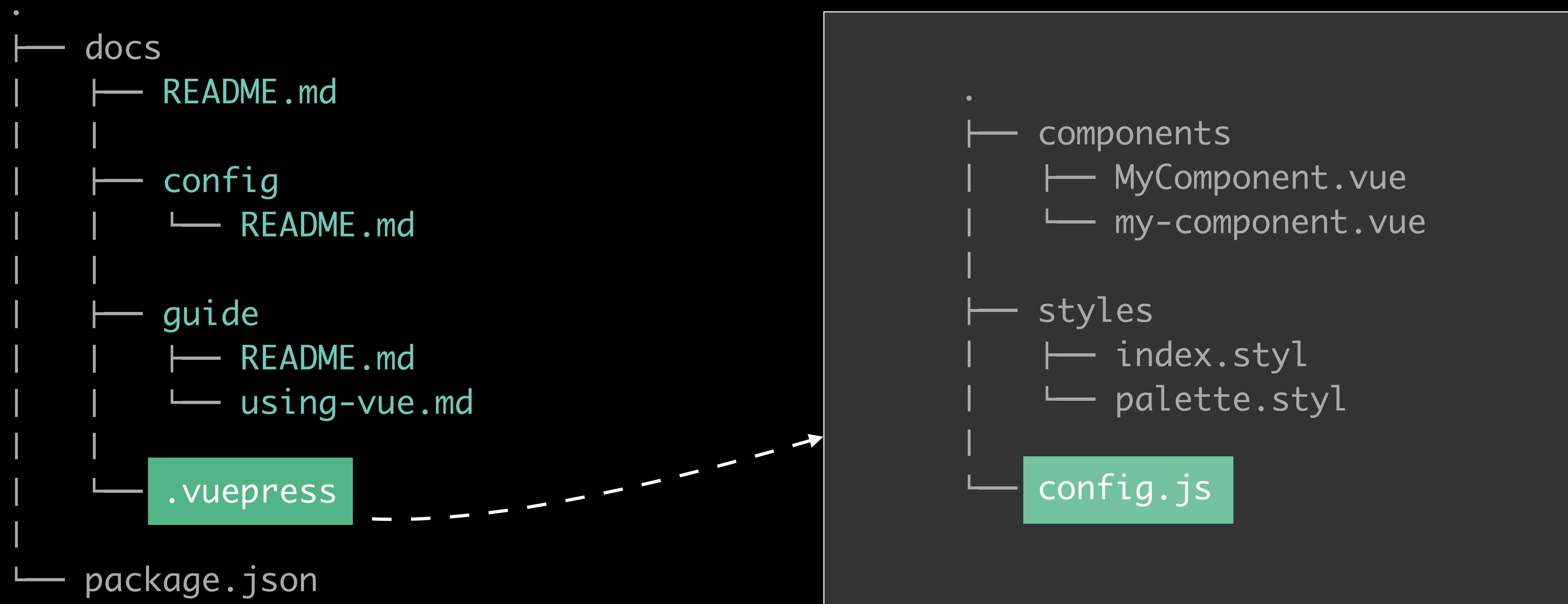
My Docs

Quick Start →

Feature 1 Title	Feature 2 Title	Feature 3 Title
Feature 1 Description	Feature 2 Description	Feature 3 Description

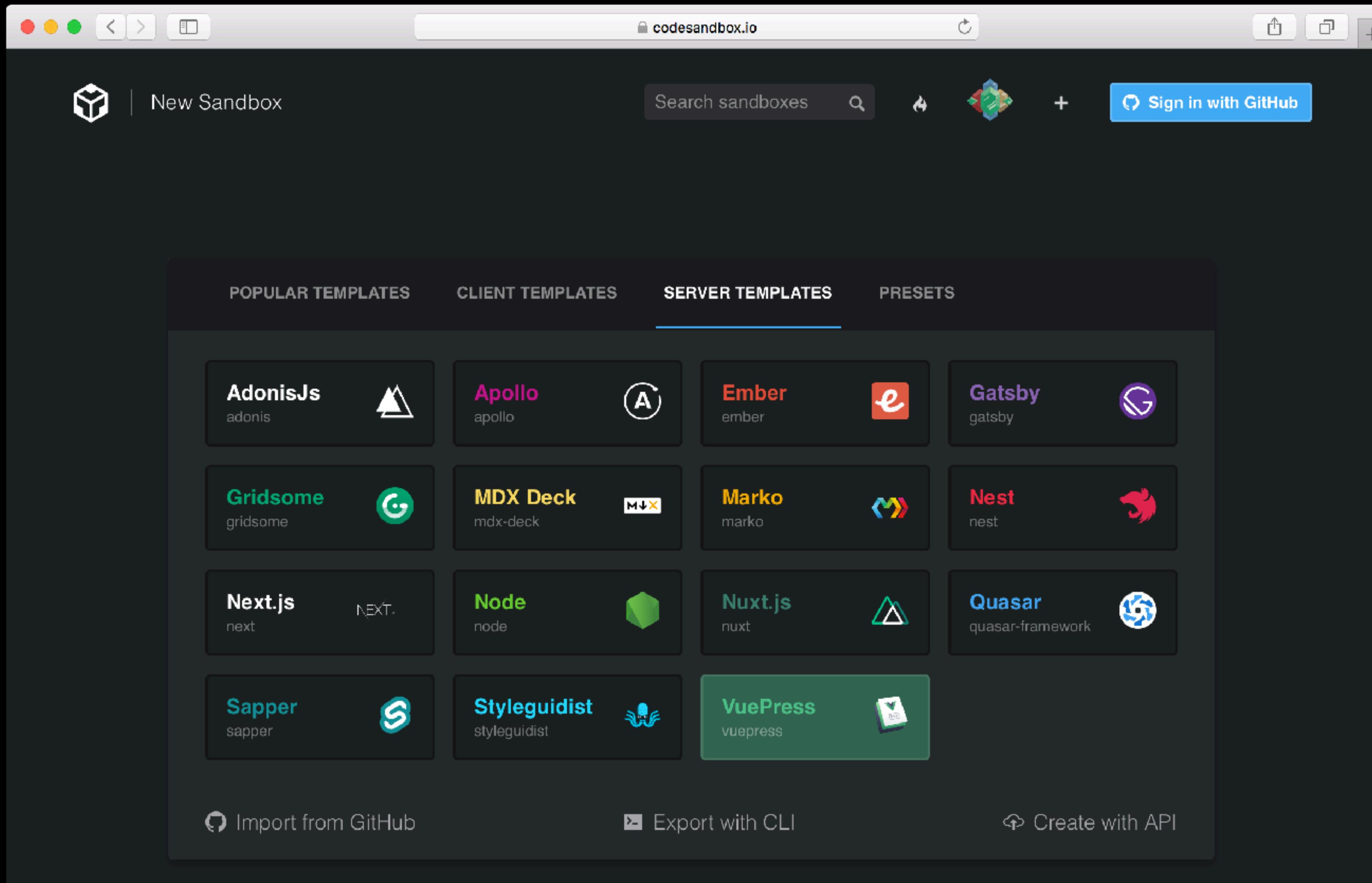
Made by ULIVZ with ❤️

项目结构



如果你不喜欢在本地创建项目 ...

<https://codesandbox.io/s/@vicbergquist>



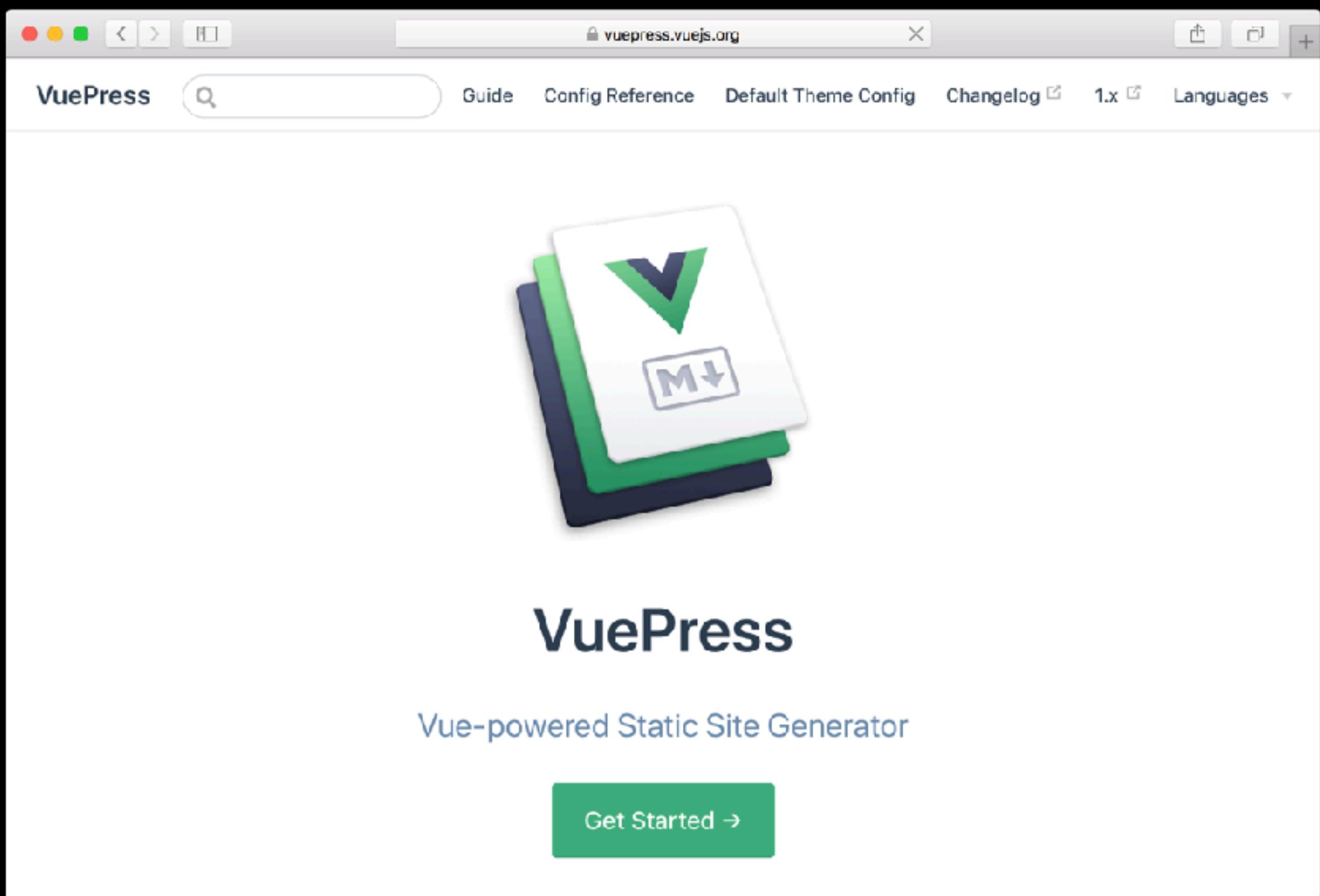
新建了项目后，我发现我想换个主题...

3

主題

依照惯例，我们先来看一看现有的主题

@vuepress/theme-default



@vuepress/theme-



<https://vuepress.vuejs.org/>

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<https://ulivz.com>

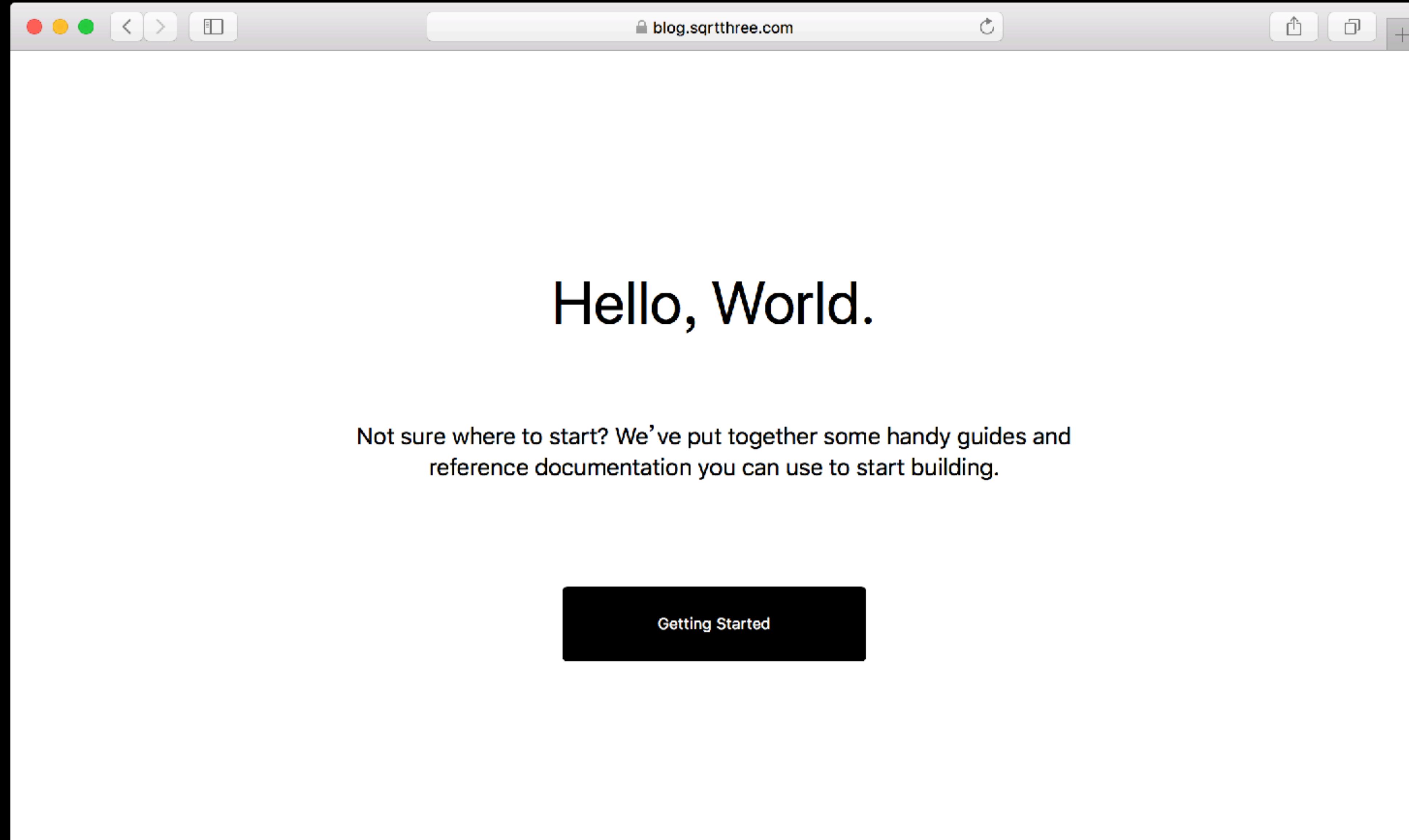
我不喜欢官方推出的主题怎么办 😂

vuepress-theme-bulma @nakorndev

This screenshot shows a browser window displaying a VuePress theme based on Bulma. The URL is nakorndev.github.io. The page content is titled '# Custom frontmatter' and features a placeholder text 'Blah blah 😞'. A sidebar on the left lists various components: 'Hello readme.md', 'Article', 'Custom frontmatter' (which is highlighted in blue), 'Table', 'Emoji', 'Custom Containers', 'Code Blocks', 'markdown-it', 'markdown-extension', and 'Custom layout'. At the bottom, there's a 'Lorem2 ▶' section and a 'Last Updated: 7/31/2018, 4:12:26 PM' message.

The screenshot captures a web application interface for a documentation or theme repository. The top navigation bar includes standard browser controls (back, forward, search, etc.) and links to the repository (VuePress, GitHub, Contribute!). The main content area has a header with a yellow star icon and the title '# Custom frontmatter'. Below the title is a placeholder text 'Blah blah 😞'. To the right of the title is a 'Edit me!' button. The left sidebar contains a list of components: Hello readme.md, Article, Custom frontmatter (highlighted in blue), Table, Emoji, Custom Containers, Code Blocks, markdown-it, markdown-extension, and Custom layout. At the bottom, there's a 'Lorem2 ▶' section and a 'Last Updated: 7/31/2018, 4:12:26 PM' message.

vuepress-theme-apiby @sqrthree



vuepress-theme-indigo-materialy @zhhlwd

A screenshot of a web browser displaying a VuePress-generated static site. The site has a dark blue header bar with a search input field containing "搜搜看". The URL in the address bar is `zhhwd.github.io`. The sidebar on the left is white and contains the following navigation items:

- 主页** (Home icon)
- 标签分类** (Tag icon)
- 时间归档** (Calendar icon)
- Github** (GitHub icon)
- me 自我介绍** (Me icon)

The main content area has a light blue background. At the top, there is a circular profile picture of two people on a bicycle, with the name "zhhwd" and email "zhhwd@qq.com" below it. A large, faint watermark-like image of a person riding a bicycle is visible in the background of the main content area.

善者而从之，其不善者而改之。

摸手带你掌握新版Webpack4.0详解

视频，对于webpack这种配置的应用，我知道具体的功能配置和概念，要用时知道怎么查找就行了，不想花费过多时间去自己的水平不会因此有明显提升，所以我转载了一篇别人的笔记，方便以后查找。
[/wudiufu/WebPack4-study](#)

设计原则

设计原则是模式的理念，知道设计原则才能更好的掌握设计模式。

vuepress-theme-ktquez @ktquez

The screenshot shows a web browser window displaying the ktquez.com website. The page has a clean, modern design with a white background and light gray circular shadows. At the top, there's a navigation bar with a red logo icon, language selection (EN), a search bar with a magnifying glass icon, and a 'TURN ON NIGHT MODE' toggle switch.

The main content area features two large, semi-transparent cards. The left card is titled 'VUEJS' and contains an illustration of a person interacting with a large screen displaying a dashboard. Below the illustration are logos for Google, Yandex, and Bing. The title of the post is 'When to use Server-Side Rendering (SSR) in Vue.js projects'. The right card is also titled 'VUEJS' and has the heading 'Extend a default layout or create custom layouts in your SPA application Vue.js'. Both cards show a timestamp of 'NaN year ago' and a 'SEE POST' button with an arrow.

portfolio-vuepress by @itsnwa

The screenshot shows a web browser window with the URL `vuepress-portfolio.netlify.com` in the address bar. The page content is as follows:

- Top navigation: "Works" and "Instagram" on the left, a square logo with three horizontal wavy lines in the center, and "Journal" and "Say hi!" on the right.
- Main title: "We're Acme, we work for brands. But most importantly, we work for fun."
- Large image: A black and white photograph of a shirtless man standing on a wooden floor, looking towards the camera. The image is framed by a grid pattern.
- Project details: A small white box in the top-left corner of the image area contains the text "Project one" and "subtitle". Below the image, there are two sections with titles and subtitles:
 - "Pond Life" (with a small photo of a pond)
 - "Frederique Peckelen" (with a small photo of a person)

如何使用一个主题？

```
// .vuepress/config.js
module.exports = {
  theme: 'vuepress-theme-xx',
  themeConfig: {
    // ...
  }
}
```

没有我喜欢的主题怎么办 😂

那就来写一个主题

```
theme
  └── global-components
    |   |
    |   └── components
    |   |
    |   └── layouts
    |       └── Layout.vue (Mandatory)
    |       └── 404.vue
    |   |
    |   └── styles
    |       └── index.styl
    |       └── palette.styl
    |
    └── index.js
```

说到这里， 我们好像还没见过插件 😅

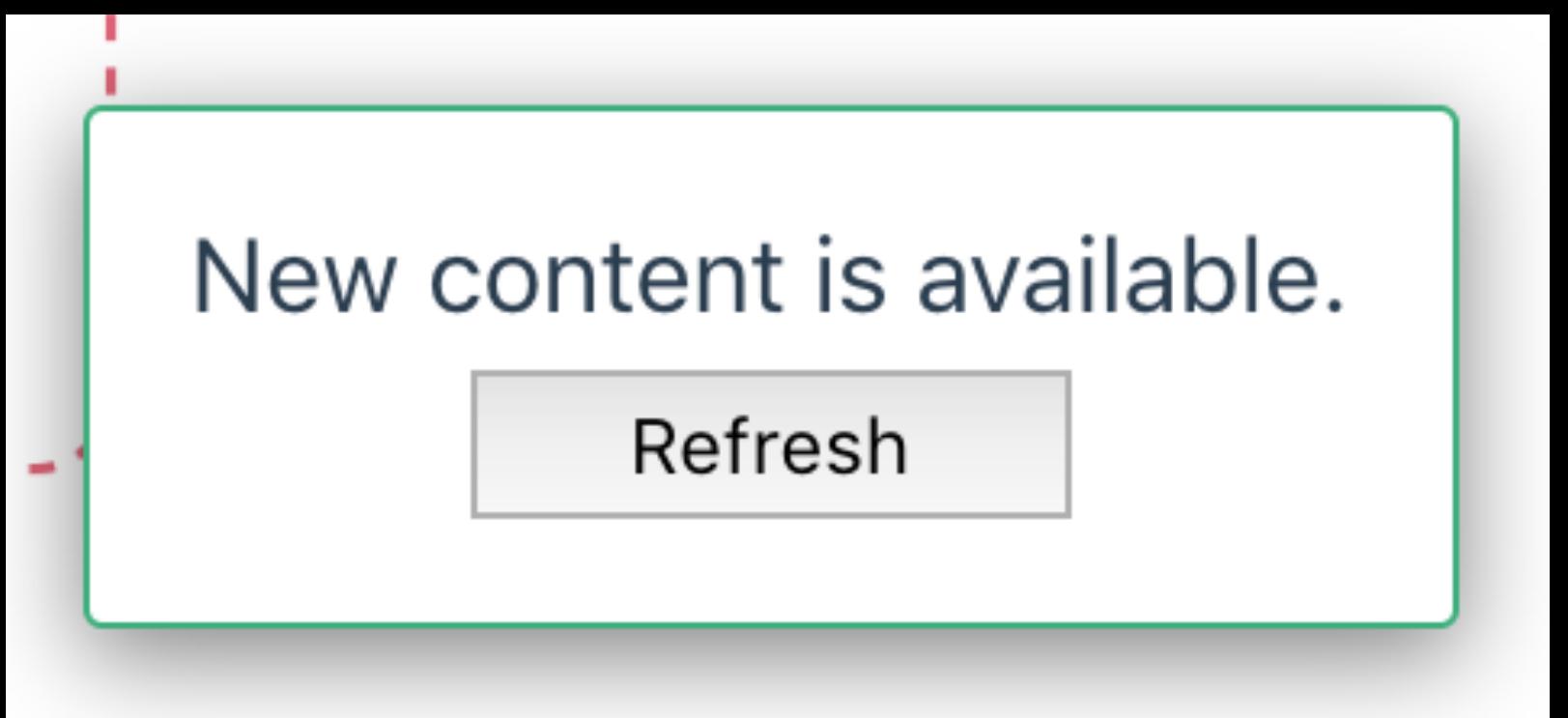
4

插件

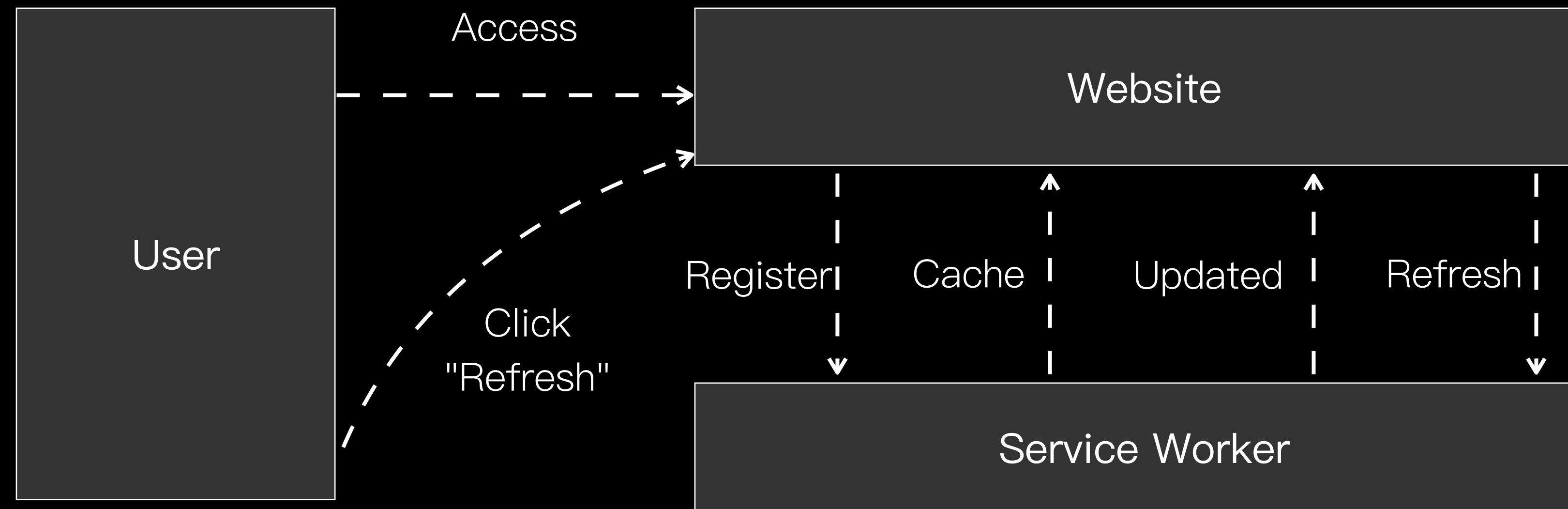
首先来看看我们有哪些插件

@vuepress/plugin-pwa 让你的网站更快

Name	Sta...	Type	Initiator	Size	Time
v1.vuepress.vuejs.org	200	document	Other	(from ServiceWorker)	19 ms
0.styles.fa9064ef.css	200	stylesheet	(index)	(from ServiceWorker)	108 ms
app.95bfb7fb.js	200	script	(index)	(from ServiceWorker)	136 ms
3.df105a9b.js	200	script	(index)	(from ServiceWorker)	136 ms
18.92edc3f9.js	200	script	(index)	(from ServiceWorker)	136 ms
6.8243851e.js	200	script	(index)	(from ServiceWorker)	21 ms
4.24790f85.js	200	script	(index)	(from ServiceWorker)	136 ms



@vuepress/plugin-pwa

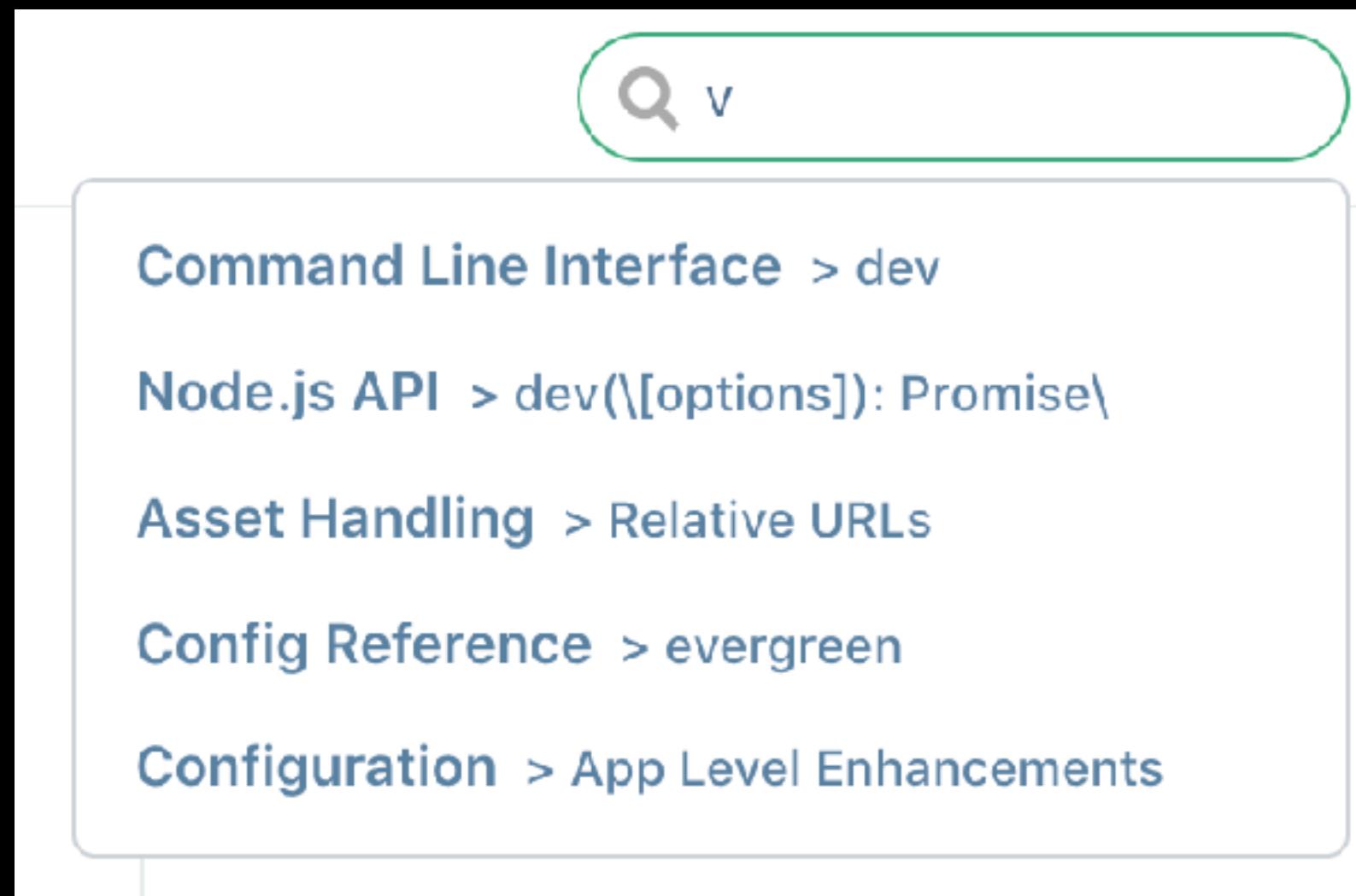


refs

How to Fix the Refresh Button When Using Service Workers > Approach #3

@vuepress/plugin-search 让搜索更简单

基于 Headers 的搜索



Algolia Search 集成

A screenshot of the official Vue.js documentation website. At the top is a navigation bar with a search bar containing 'v', and links for 'Guide', 'Config Reference', and 'Plugin Dev Guide'. The main content area is titled 'Development' and contains two tabs: 'Modes and Environment Variables' (selected) and 'Modes and Environment Variables'. Below this is a 'Basics' section with links for 'Creating a Project' (with command 'vue create') and 'CLI Service' (with command 'vue-cli-service serve'). Further down are sections for 'API reference' (with 'Plugin API' and 'version') and 'Configuration Reference' (with 'vue.config.js'). At the bottom right of the page is the text 'Search by algolia'.

@vuepress/plugin-search



搜索体验

匹配算法

由于页面都是异步加载的

如何实现开箱即用的全文搜索呢？

@vuepress/plugin-blog 让开发博客主题更简单

自定义基于目录 (_post) 或者 Front Matter (如 tag) 的分类

内置博客风格的 Permalinks

开箱即用的分页功能

“ 博客主题开发者能够更关注主题的交互体验
而非分类分页等逻辑 ”

如何用70行代码实现一个博客主题

<https://github.com/ulivz/70-lines-of-vuepress-blog-theme>

vuepress-plugin-yuque 创造了纯动态数据源的可能性

Input

The screenshot shows a Yuque page titled "vuepress-plugin-yuque". The URL is "yuque.com". The page content is "Input: Yuque Repo, Output: VuePress Site!". It features a sidebar with sections like "指南" (Guidelines), "配置" (Configuration), and "进阶" (Advanced). The main area lists files and folders: "intro", "getting-started", "generate-homepage", "deploy", "config", "station-jump", "cache", and "private-repo". A large question mark icon is at the bottom right.

Output

The screenshot shows a browser window with the title "vuepress-plugin-yuque". The URL is "vuepress-plugin-yuque.ulivz.com". The page has a navigation bar with "指南" (Guidelines) highlighted. The main content area is titled "介绍" (Introduction). It includes a section "什么是 VuePress?" with a sub-section "TL;DR: VuePress 的核心是静态网站生成，而语雀的优势在于文档编辑，如果能够将两者结合起来，你将能得到一种从文档编写、管理，到网站发布，都比以前更流畅的体验。" Below this is a large image of three cards with the VuePress logo. The "什么是 VuePress?" section also contains text about its components and themes.

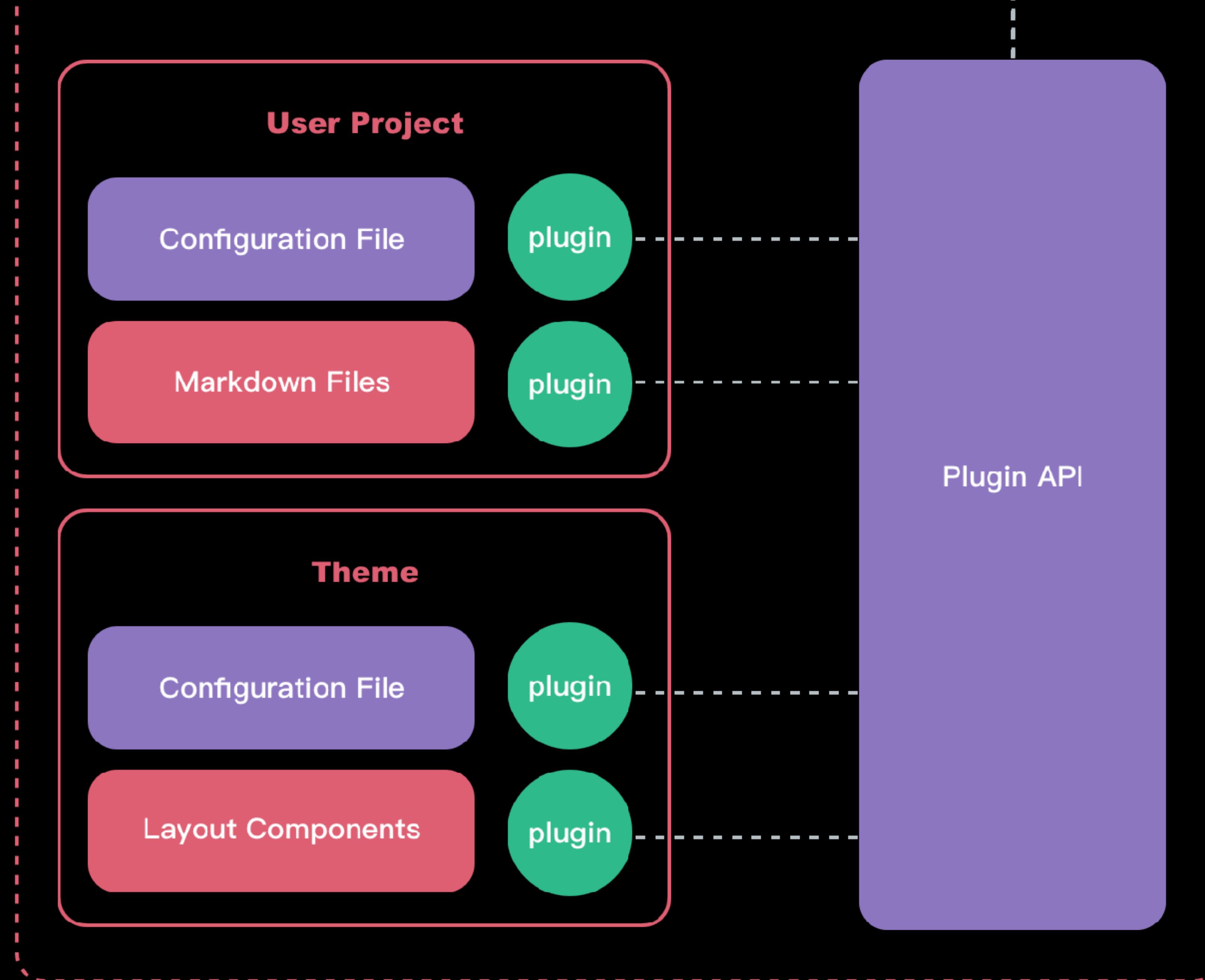
实现这个转换需要多少行代码？

```
// .vuepress/config.js
module.exports = {
  plugins: [
    ['vuepress-plugin-yuque', {
      repoUrl: 'https://www.yuque.com/vuepress/vuepress-plugin-yuque'
    }]
  ]
}
```

<https://vuepress-plugin-yuque.ulivz.com/>

“只要你愿意
你可以将任意的数据源
连接到 VuePress ,”

了解了几个 VuePress 插件后
我们再来看看 VuePress 的插件系统是如何运作的



再來看看有哪些插件 API

Life Cycle	Webpack	Markdown	Page Management
ready	<code>chainWebpack</code>	<code>extendMarkdown</code>	<code>extendPageData</code>
updated	<code>define</code> <code>/</code> <code>alias</code>	<code>chainMarkdown</code>	<code>clientDynamicMod</code> <code>ules</code>
generated	<code>beforeDevServer</code> <code>/</code> <code>afterDevServer</code>		<code>additionalPages</code>

Other APIs: `globalUIComponents`、`extendCLI`

如何书写一个 VuePress 插件？

#1 Export a plain object

```
module.exports = {  
  // ...  
}
```

#2 A function that returns a plain object

```
module.exports = (options, ctx) => {  
  return {  
    // ...  
  }  
}
```

插件案例

实现一个 VuePress 插件，包含如下功能：

1. 添加一个额外的页面 `/info/`；
2. 在 `/info/` 页展示出当前站点下所有的页面信息；
3. 新增页面信息“字数”；
4. 注册 `vuepress view-info` 指令，实现上述相同的功能；

```
const { join } = require('path')
module.exports = (options, context) => {

  additionalPages() {
    return {
      path: '/info/',
      // 在 SFC 中通过 this.$site.pages 拿到所有页面
      filePath: join(__dirname, 'info.vue')
    }
  },

  extendPageData($page) {
    const { _content } = $page
    $page.charsCount = _content.length
  },

  extendCli(cli) {
    cli
      .command('view-info [targetDir]', '')
      .action(async (dir = '.') => {
        // 通过 ctx.pages 拿到所有的页面
      })
  }
}
```

在线演示

除此之外，1.x 还给我们带来了什么？

5

永久链接

源文件

```
.  
└ _posts  
    ├── 2018-4-4-intro-to-vuepress.md  
    └── 2019-6-8-intro-to-vuepress-next.md
```

默认行为

```
_posts/2018-4-4-intro-to-vuepress.html  
_posts/2019-6-8-intro-to-vuepress-next.html
```

使用永久链接

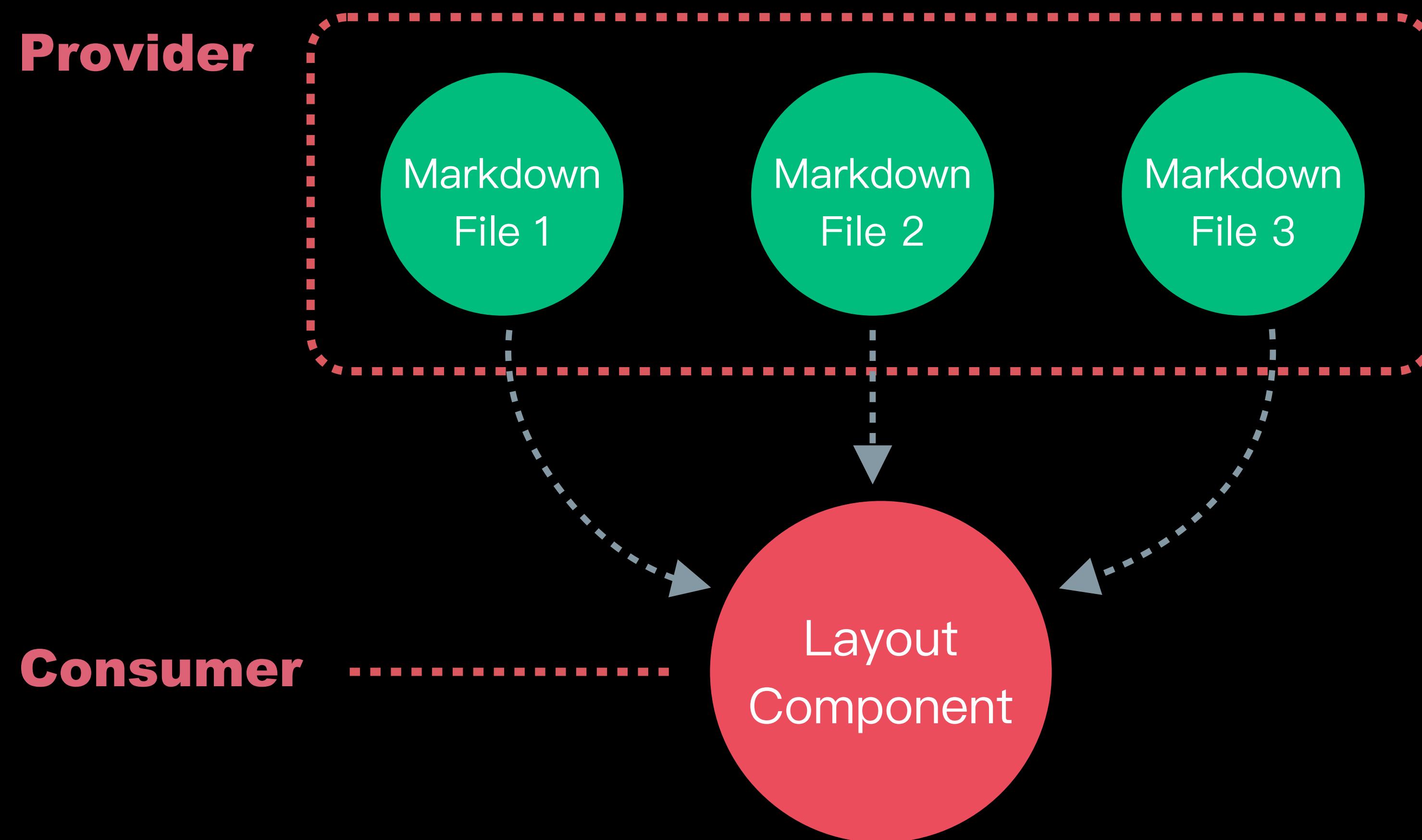
```
/2018/04/04/intro-to-vuepress/  
/2019/06/08/intro-to-vuepress-next/
```

在线演示

5

Markdown 插槽

布局组件和 Markdown 文件之间的关系



一个 Markdown 文件能够提供多少数据源

Front Matter

```
this.$page.frontmatter
```

Content

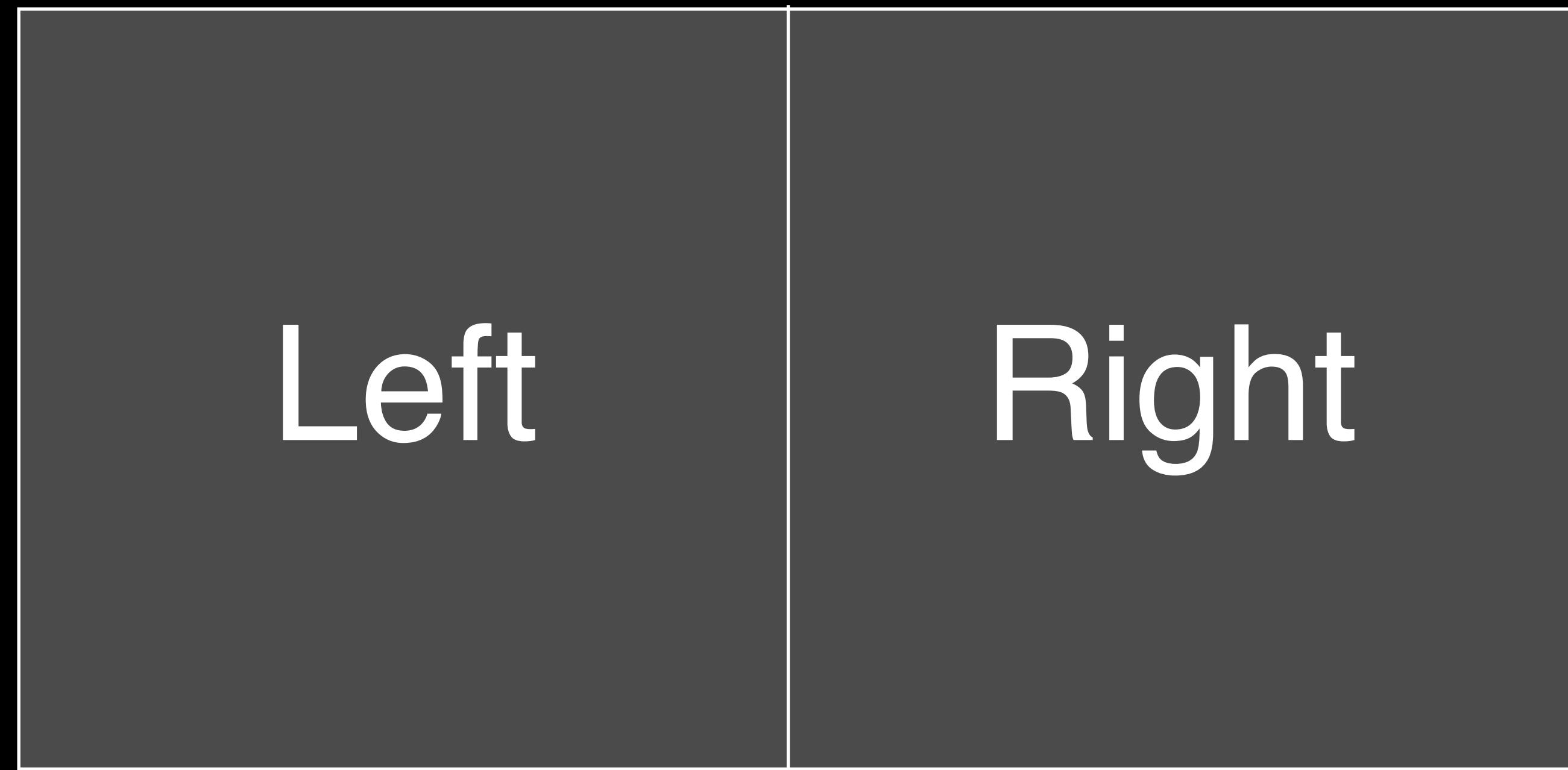
```
<Content />
```

```
title: Intro to VuePress 1.x  
layout: CustomLayout
```

```
# Intro to VuePress 1.x
```

```
June 8th, 2019, in Shanghai, ...
```

但是，假设我的布局是这样的 ...



我将无从下手 ... 除非我只想在一侧渲染 `<Content />`

有了 Markdown 插槽，我们便可以将源文件分片

Markdown:

```
::: slot left  
> I'm on the left  
:::  
::: slot right  
> I'm on the right  
:::
```

Layout Component:

```
<div id="layout">  
  <Content slot-key="left"/>  
  <Content slot-key="right"/>  
</div>
```

在线演示

1

使用 SFC 作为源页面

在 SFC 中使用 Front Matter

```
<frontmatter>
title: VuePress 1.x
description: Vue SFC as source pages
</frontmatter>

<template>
<div id="page">
  <div class="title">{{ $frontmatter.title }}</div>
  <div class="description">{{ $frontmatter.description }}</div>
</div>
</template>
```

在线演示

8

主题继承

为什么需要主题继承？
避免不必要的 eject

覆盖父主题中的的组件

Parent Theme

```
├── components
│   └── Navbar.vue
│   ├── Home.vue
│   └── Sidebar.vue
|
├── layouts
│   ├── 404.vue
│   └── Layout.vue
|
└── package.json
└── index.js
```

Child Theme

```
└── components
    └── Navbar.vue
```

`@theme/components/Navbar.vue`

在线演示

说了这么多， 我们来总结一下

VuePress 1.x 给我们带来了

强大的

插件

API

增强的

主题

系统

新增的

博客

主题

Q & A

最后，我们来发布 VuePress 1.X

thanks

VuePress 是一个开源项目
感谢所有的贡献者 ❤️

bencodezen	@itsnwa	@jjyyxx
@ktquez	@meteorlxy	@nakorndev
@chigma	@sqrthree	@ulivz
@vicbergquist	@yyx990803	@ycmjason