



# Vue 2017 现状与展望

尤雨溪

@VueConf Beijing 2017.05.20

# 起源

# Origination

# First commit

2013.06.27

🔗 Commits on Jul 27, 2013



**initial setup**

yyx990803 committed on Jul 27, 2013

# First appearance of “Vue”

2013.12.07

## 0.6.0 - rename to Vue

🔗 0.10



yyx990803 committed on Dec 7, 2013

📄 Showing **56 changed files** with **3,929 additions** and **553 deletions**.

16 ■■■ Gruntfile.js



```
@@ -9,15 +9,15 @@ module.exports = function( grunt ) {
```

9	componentbuild: {	9	
10	build: {	10	
11	options: {	11	
12	-      name: 'seed',	12	+

# First public release (0.8)

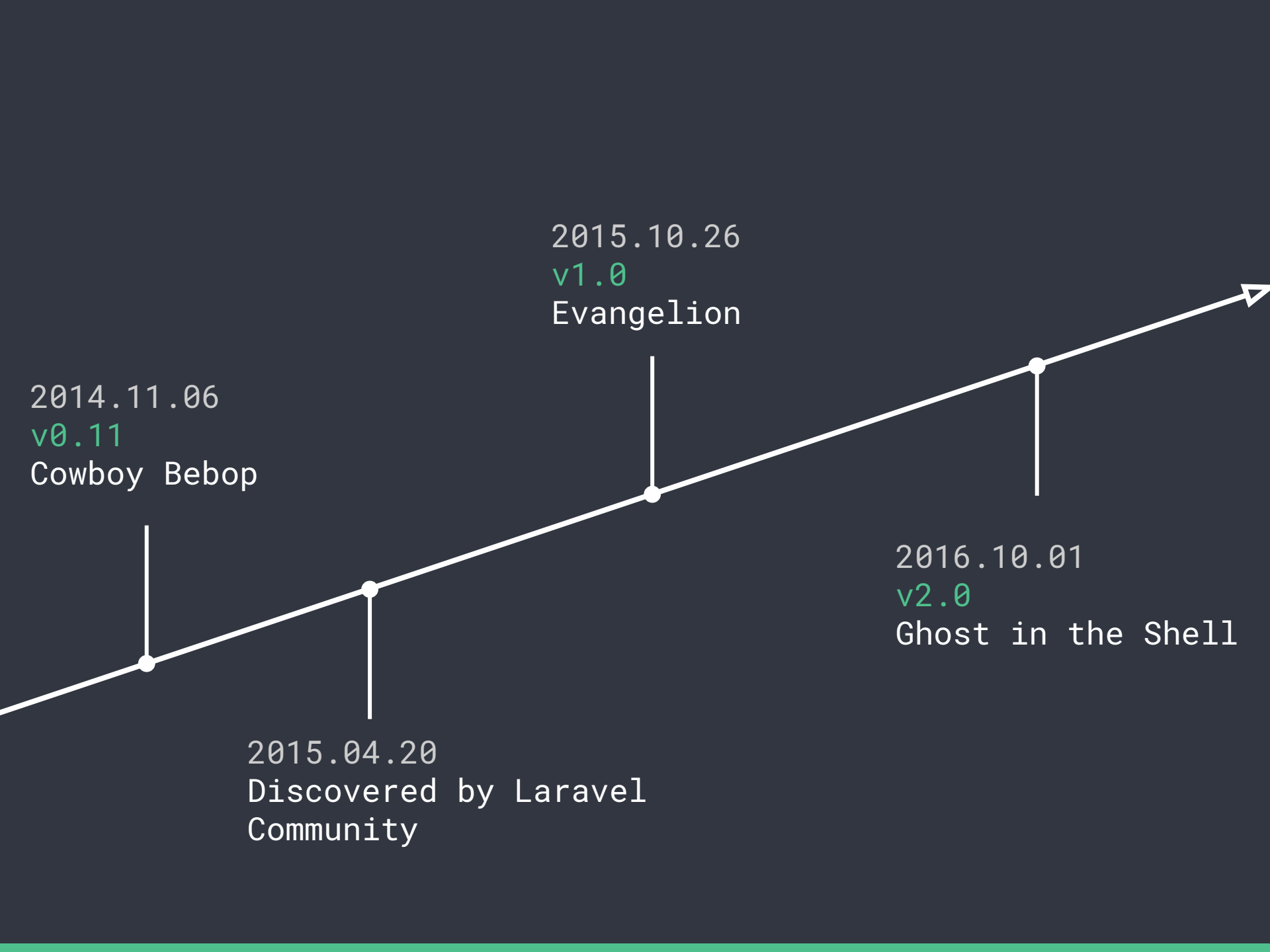
2014.02.01



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\* [Vue.js: JavaScript MVVM made simple \(vuejs.org\)](#)

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2014.11.06

v0.11

Cowboy Bebop

2015.04.20

Discovered by Laravel  
Community

2015.10.26

v1.0

Evangelion

2016.10.01

v2.0

Ghost in the Shell

# 进化 Evolution

“Just a view layer library”



~~“Just a view layer library”~~

The Progressive Framework

渐进式框架

Declarative  
Rendering

Component  
System

Client-Side  
Routing

Large Scale  
State  
Management

Build  
System

Client-Server  
Data  
Persistence

今天  
Today



53,986 GitHub Stars

Top 10 All-Time



每月 55 万+ 次 NPM 下载

不包括中国镜像数据



Chrome 开发者插件  
17.4 万周活跃用户

# 国内用户



不完全统计，排名不分先后



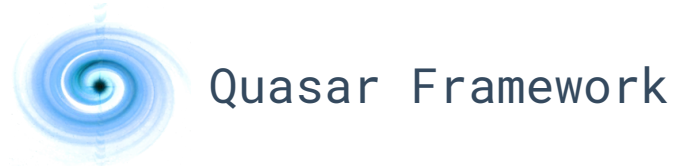
社区

Community



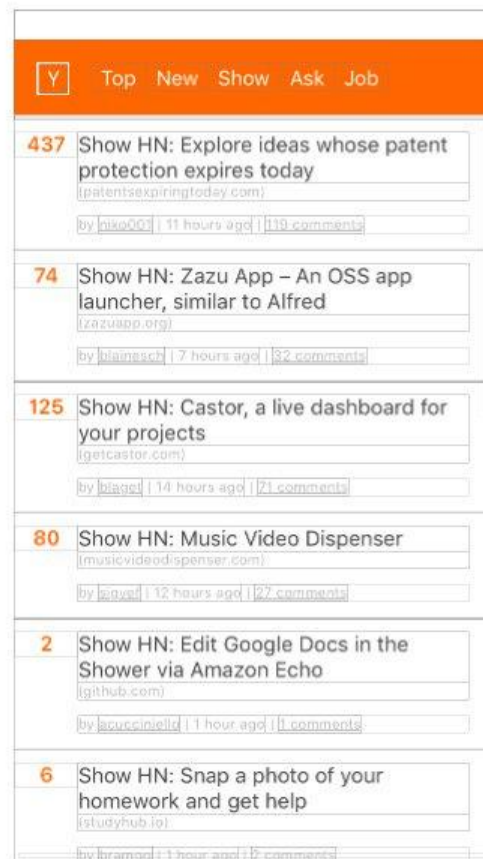
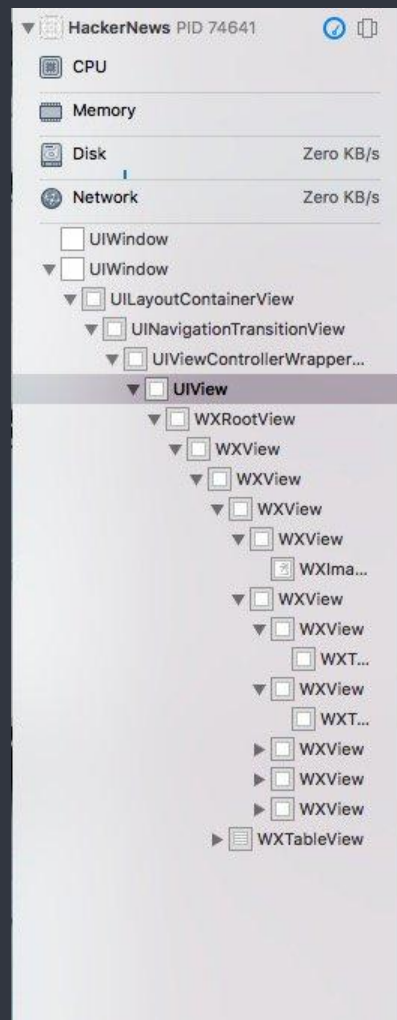
314 GitHub 贡献者  
across the vuejs organization

# 社区项目的活跃



# 2016.12.22 - Weex 0.9.4

## 第一个正式包含 Vue 2.0 的 Weex 版本



# Microsoft Build 2017

Anders Hejlsberg presenting Vue + VSCode + TS 2.3



Channel 9

all content

shows

events

search channel 9



sign in

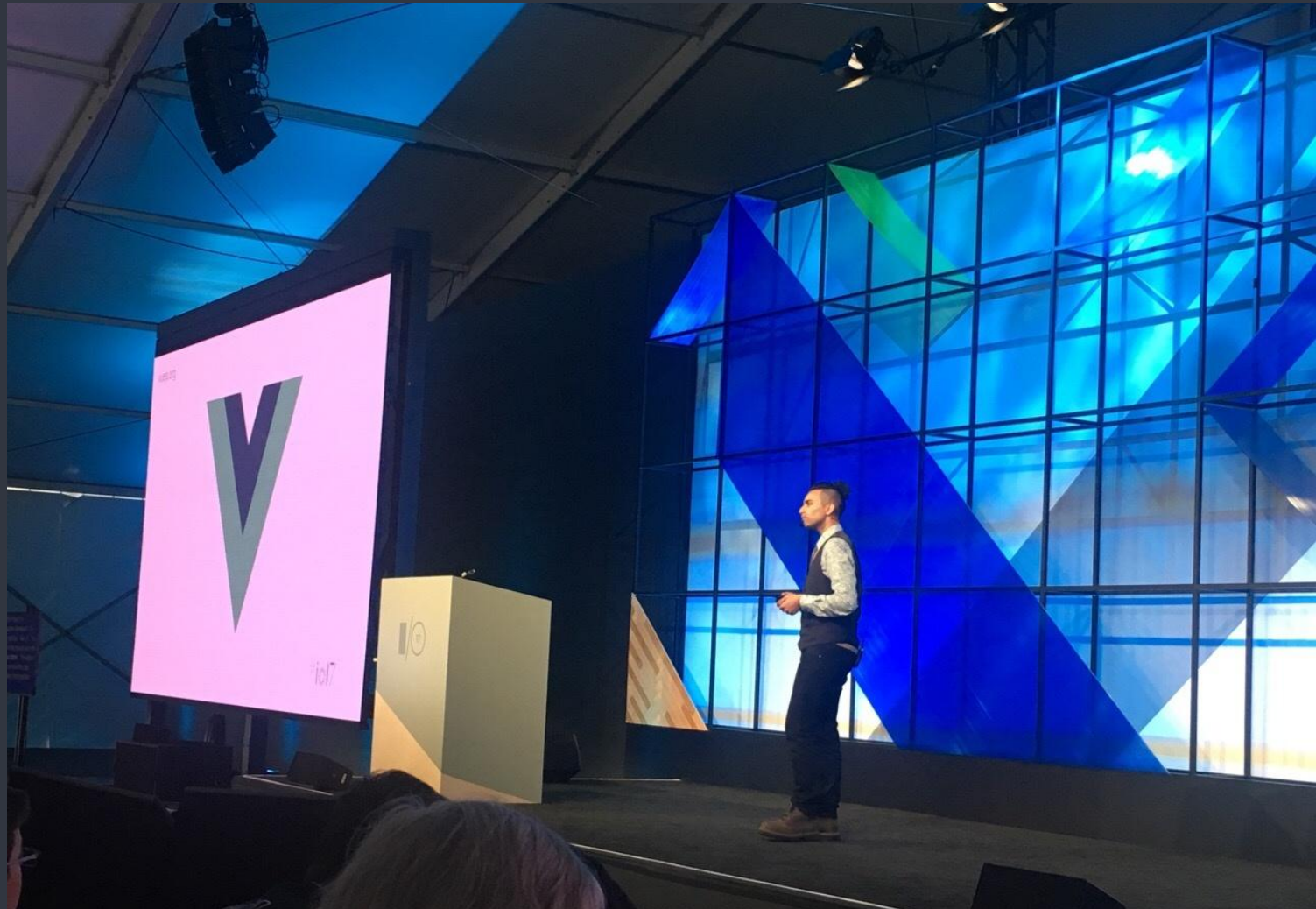
close live event

## Live Build 2017

```
main.ts | TodoApp.vue
38 props: ['currentView'],
39
40 data() {
41   const initialState: AppState = {
42
43     // Input box content.
44     newTodoTitle: '',
45
46     // Cu $children (property) Vue<AppState, { removeTodo(ind...
47     todos
48     { c $createElement
49   },
50   $data
51   $delete
52   $destroy
53   $emit
54   $forceUpdate
55   $isServer
56   $mount
57   $nextTick
58   $off
59   this.
60   const title = this.newTodoTitle.trim();
61   if (!title) {
62     return;
```

# Google I/O 2017

Addy Osmani presenting Vue + PWA



# Vue 2.3

## Jojo's Bizarre Adventure

## 2.3 服务端渲染改进

- 在存在代码分割的情况下，通过分析 Webpack 服务端和客户端的构建信息，自动推导需要在客户端预加载的文件，生成最优的 `<script>` 和 `<link rel="preload/prefetch">` 链接



```

<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Vue HN 2.0 | Top</title>
    <meta charset="utf-8">
    <meta name="mobile-web-app-capable" content="yes">
    <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1, user-scalable=no, minimal-ui">
    <link rel="shortcut icon" sizes="48x48" href="/public/logo-48.png">
    <meta name="theme-color" content="#f60">
    <link rel="manifest" href="/manifest.json">
    <link rel="preload" href="/dist/manifest.1e547b25b2af27b910d8.js" as="script">
    <link rel="preload" href="/dist/vendor.e4d69e40768f3a87479f.js" as="script">
    <link rel="preload" href="/dist/app.dd8b3eb63d43f4647423.js" as="script">
    <link rel="preload" href="/dist/common.dd8b3eb63d43f4647423.css" as="style">
    <link rel="preload" href="/dist/1.482045dce837afbcc821.js" as="script"> Async chunks used in SSR
    <link rel="prefetch" href="/dist/0.f1fe6a270f9d53dc7cb2.js" as="script"> Unused async chunks
    <link rel="prefetch" href="/dist/2.560d8fe30d673faffdaa.js" as="script">
    <link rel="stylesheet" href="/dist/common.dd8b3eb63d43f4647423.css"> Extracted common CSS
    <style data-vue-ssr-id="2cf0ef4f:0 2f664187:0">...</style> Critical SSR CSS (inlined)
  </head>
  <body>
    <div id="app">...</div>
    <script>...</script>
    <script src="/dist/manifest.1e547b25b2af27b910d8.js"></script>
    ... <script src="/dist/1.482045dce837afbcc821.js"></script> == $0 Async chunks used in SSR
    <script src="/dist/vendor.e4d69e40768f3a87479f.js"></script>
    <script src="/dist/app.dd8b3eb63d43f4647423.js"></script>
    <div data-v-b9f0df9e class="progress" style="width: 0%; height: 2px; background-color: rgb(255, 202, 43); opacity: 0;"></div>
  </body>
</html>

```

# Vue SSR 完全指南

<https://ssr.vuejs.org>

## 2.3 异步组件改进

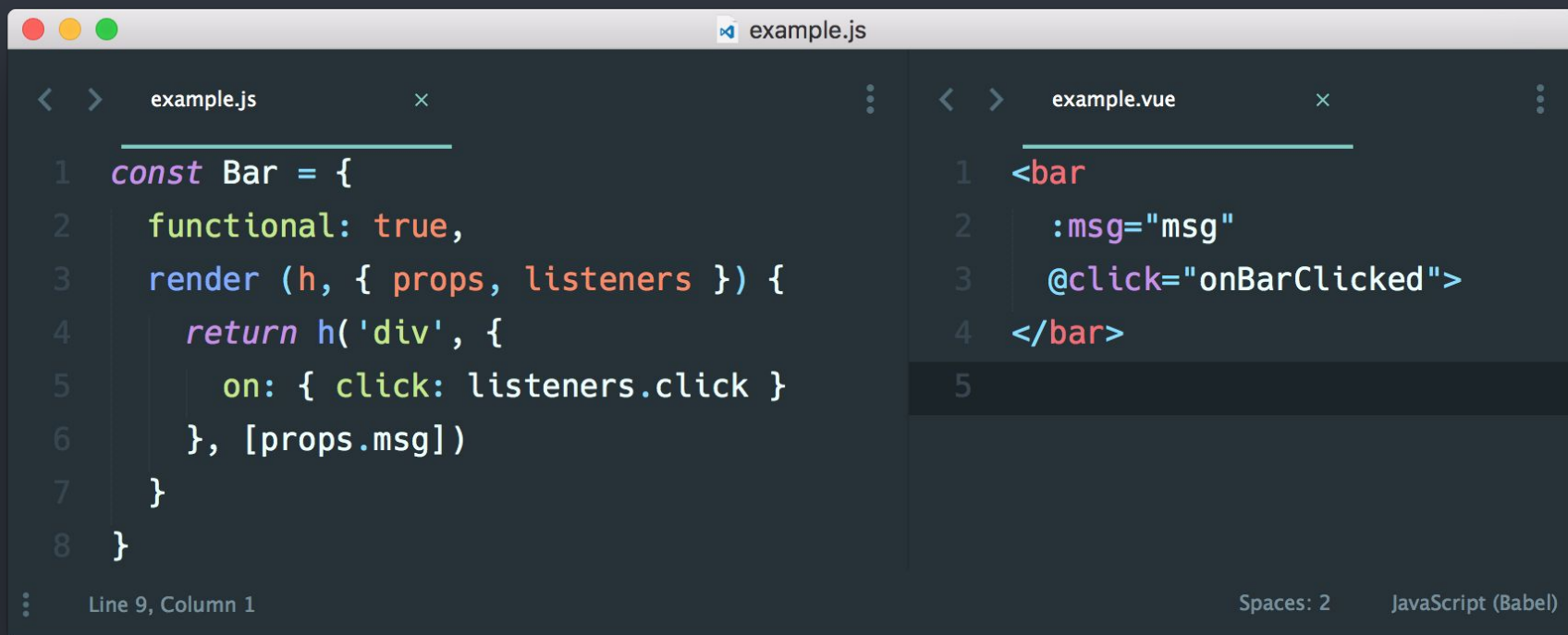
- Loading / Error / Timeout fallback



```
example.js  
  
1  const Foo = () => ({  
2    component: import('./Foo.vue'),  
3    loading: LoadingComponent,  
4    error: ErrorComponent,  
5    delay: 200,  
6    timeout: 3000  
7  })  
  
Line 8, Column 1  
Spaces: 2  
JavaScript (Babel)
```

## 2.3 函数式组件改进

- 不再需要显式声明 props
- 父组件添加的 v-on 会以 ctx.listeners 的形式提供



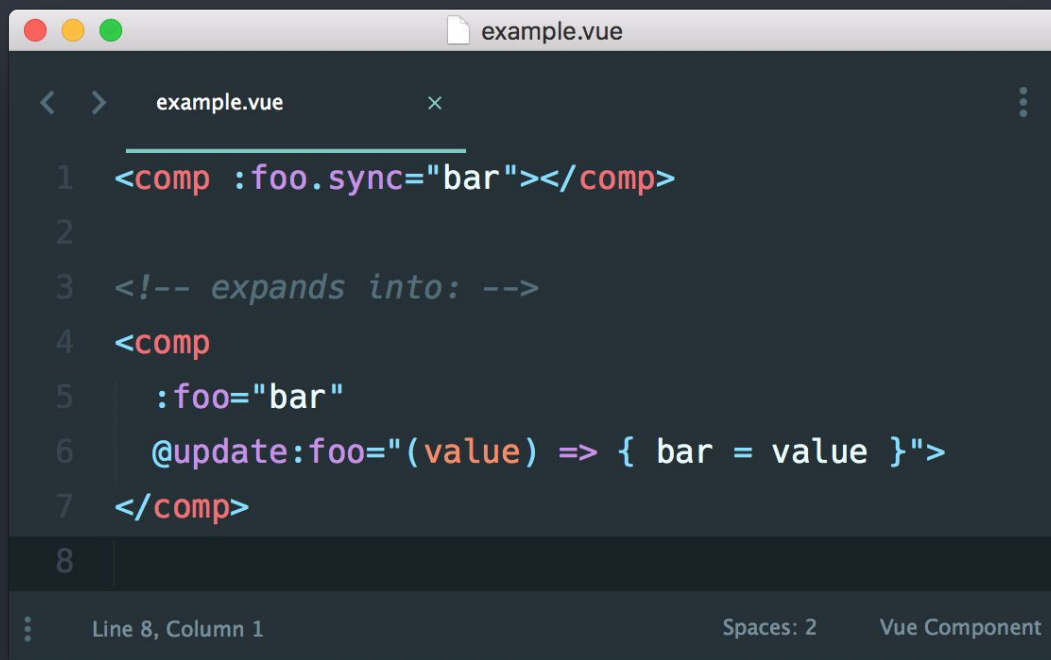
```
example.js
1  const Bar = {
2    functional: true,
3    render (h, { props, listeners }) {
4      return h('div', {
5        on: { click: listeners.click }
6      }, [props.msg])
7    }
8  }

example.vue
1  <bar
2    :msg="msg"
3    @click="onBarClicked">
4  </bar>
5
```

Line 9, Column 1      Spaces: 2      JavaScript (Babel)

## 2.3 其他改进

- passive 事件侦听: @touchmove.passive
- .sync 以 prop + listener 语法糖的形式回归



```
example.vue
< > example.vue x
1 <comp :foo.sync="bar"></comp>
2
3 <!-- expands into: -->
4 <comp
5   :foo="bar"
6   @update:foo="(value) => { bar = value }">
7 </comp>
8
Line 8, Column 1 Spaces: 2 Vue Component
```

Vue 2.4  
K???

# 更好的 TypeScript 整合

TypeScript 和 VSCode

团队为 Vue 量身打造更好的类型推导和 IDE 支持

SSR 性能进一步优化  
通过编译时优化获得 2~8x 性能提升



SSR + webpack code split 完美支持  
(不再局限于路由)

vue-cli 3.0

- 配置依赖化 + 可组合
- PWA by default
- 一个模板, 不同参数 (`--ts`, `--ssr`)
- 更好的测试方案

# 长期展望

- 单文件组件 CSS 改进：`>>>` 和 `::slotted` 选择器，CSS variable theming
- 基于 Proxy 的响应式系统重构
  - 不再需要 `Vue.set` 或者 `this.$set`
  - Lazy observation
  - 显式构建响应式对象
- [HTML Modules](#)：  
类似单文件组件的新标准（由 Google 起草中）
- 与 Web Components 的兼容