

Vue.js

The Progressive JavaScript Framework



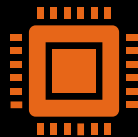
What is Vue?



A JavaScript framework for building front-end UIs



Known for its easy onboarding experience and great documentation



An Open-Source platform without corporate backing

Is it really that easy?



Sarah Dayan
@frontstuff_io



- How do I find a [@vuejs](#) developer?
- Don't hire a [@vuejs](#) developer, hire a JS developer. Then give them a day on the docs and they'll be a [@vuejs](#) developer. – [@chrisvfritz](#)

So true. Took me a day of reading the full docs (literally) to feel ready to build with Vue. [#VueConfTO](#)

9:27 AM · Nov 12, 2019 · Twitter for iPhone



Inception

- ▶ Created by former Google developer Evan You
- ▶ Built as a personal project
- ▶ Released Version 1.0 on October 26th, 2015

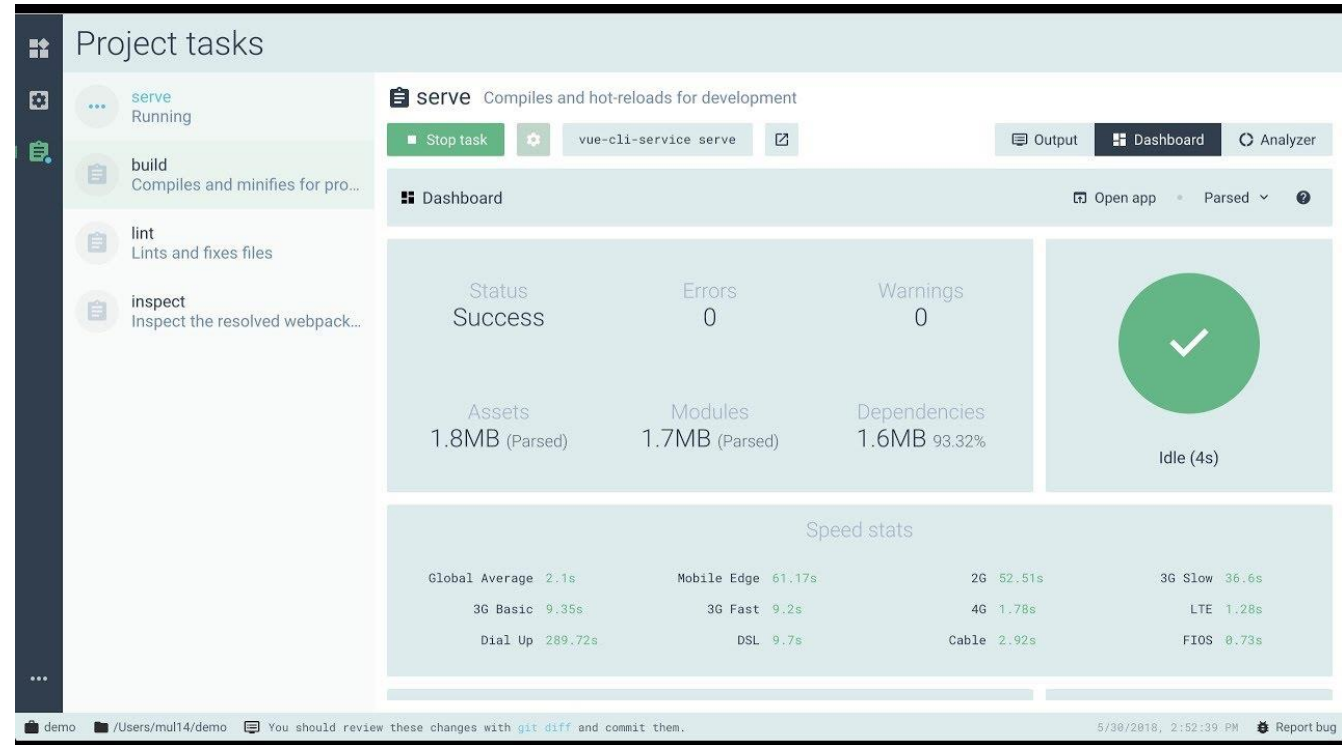
So What is a Progressive Framework?



- ▶ Vue can be implemented within an existing server-side application
- ▶ While also having the development environment to create full scaled applications

Tools: Vue CLI

- ▶ Command Line Interface native to the Vue ecosystem
- ▶ CLI Service development dependency to load other CLI plugins built onto webpack
- ▶ Graphic UI to create and manage projects



Tools: Vue Loader

```
<template>
  <div class="example">{{ msg }}</div>
</template>

<script>
export default {
  data () {
    return {
      msg: 'Hello world!'
    }
  }
}
</script>

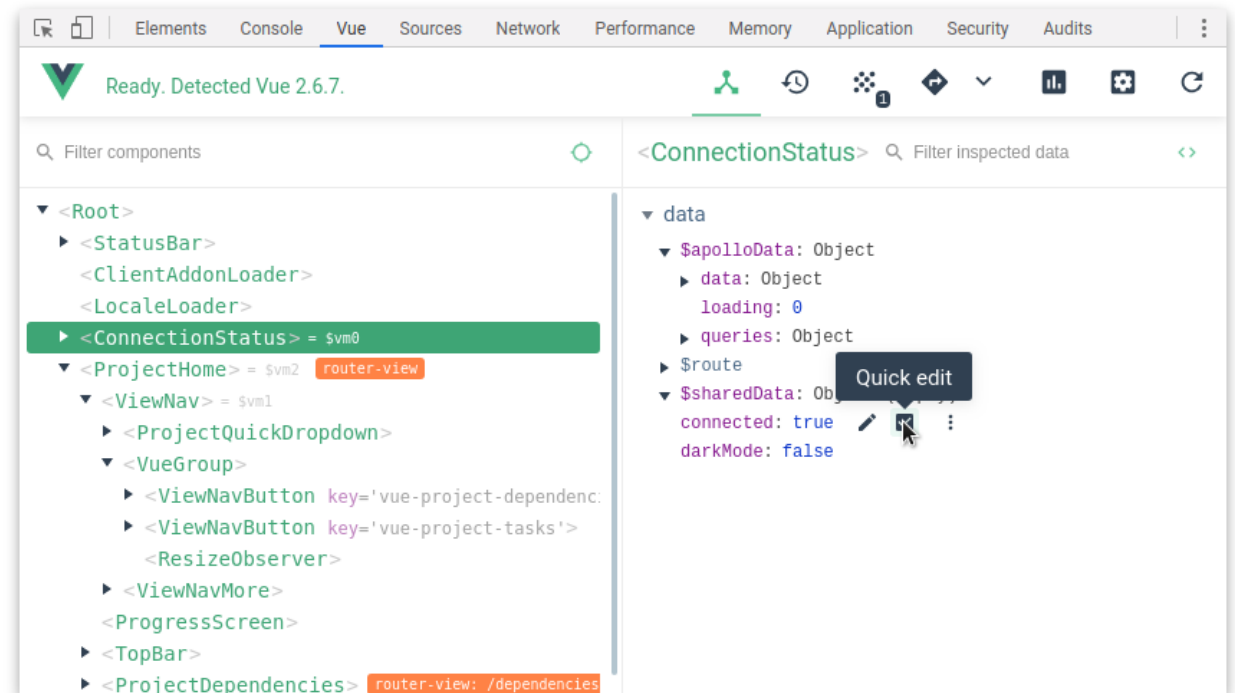
<style>
.example {
  color: red;
}
</style>

<custom1>
  This could be e.g. documentation for the component.
</custom1>
```

- ▶ Allows users to build components in Single File Components
- ▶ Single File Components are structured for simplicity and convenience
- ▶ Can be called just like any other UI component framework

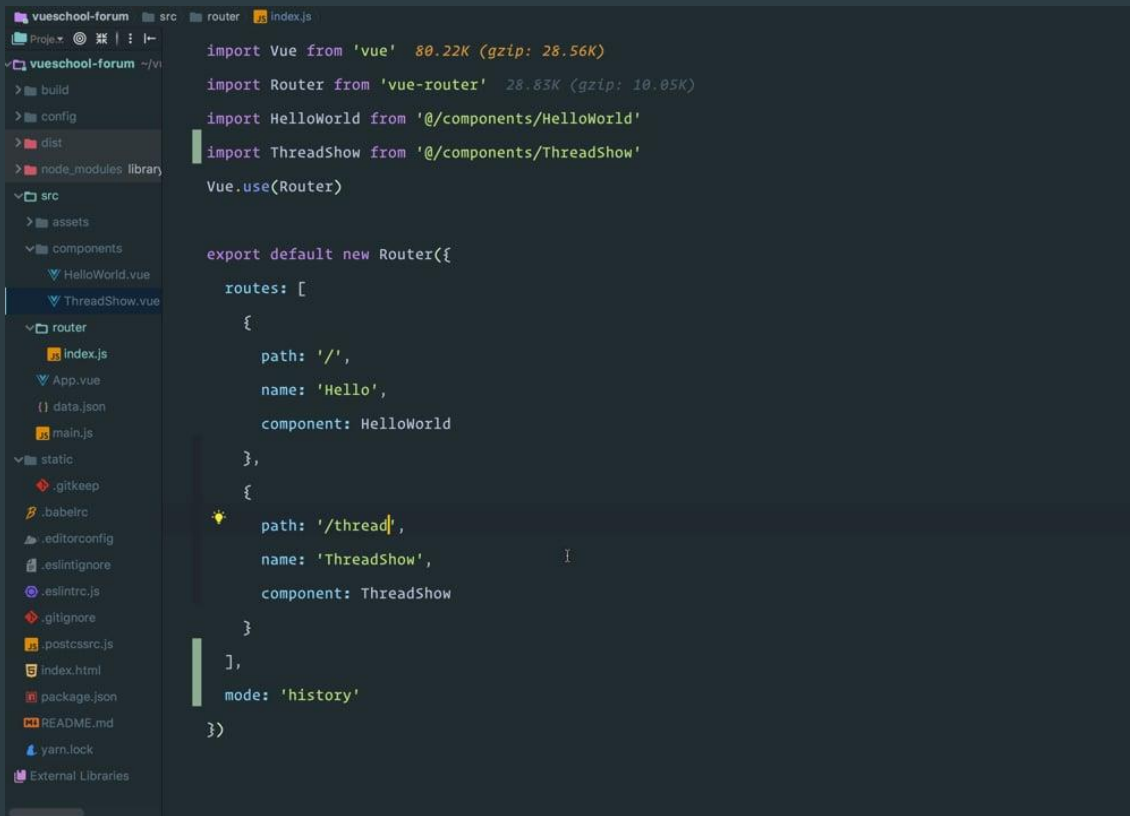
Tools: Vue.js Dev Tools

- ▶ <https://github.com/vuejs/vue-devtools>
- ▶ Official dev tools add on that is open source



Core Libraries: Vue Router

- ▶ Official Router for Vue
- ▶ Supports nested routing
- ▶ HTML 5 history mode



The screenshot shows a code editor with a file explorer on the left and a code editor on the right. The file explorer shows a project structure for 'vueschool-forum' with folders like 'build', 'config', 'dist', 'node_modules', 'src', and 'static'. The 'src' folder is expanded, showing 'assets', 'components', and 'router'. The 'router' folder is expanded, showing 'index.js', 'App.vue', 'data.json', and 'main.js'. The 'index.js' file is selected, and its content is displayed in the code editor. The code imports Vue, Router, HelloWorld, and ThreadShow, and configures the Router with two routes: a root route for 'Hello' and a nested route for 'ThreadShow'.

```
import Vue from 'vue' 80.22K (gzip: 28.56K)
import Router from 'vue-router' 28.83K (gzip: 10.05K)
import HelloWorld from '@/components/HelloWorld'
import ThreadShow from '@/components/ThreadShow'

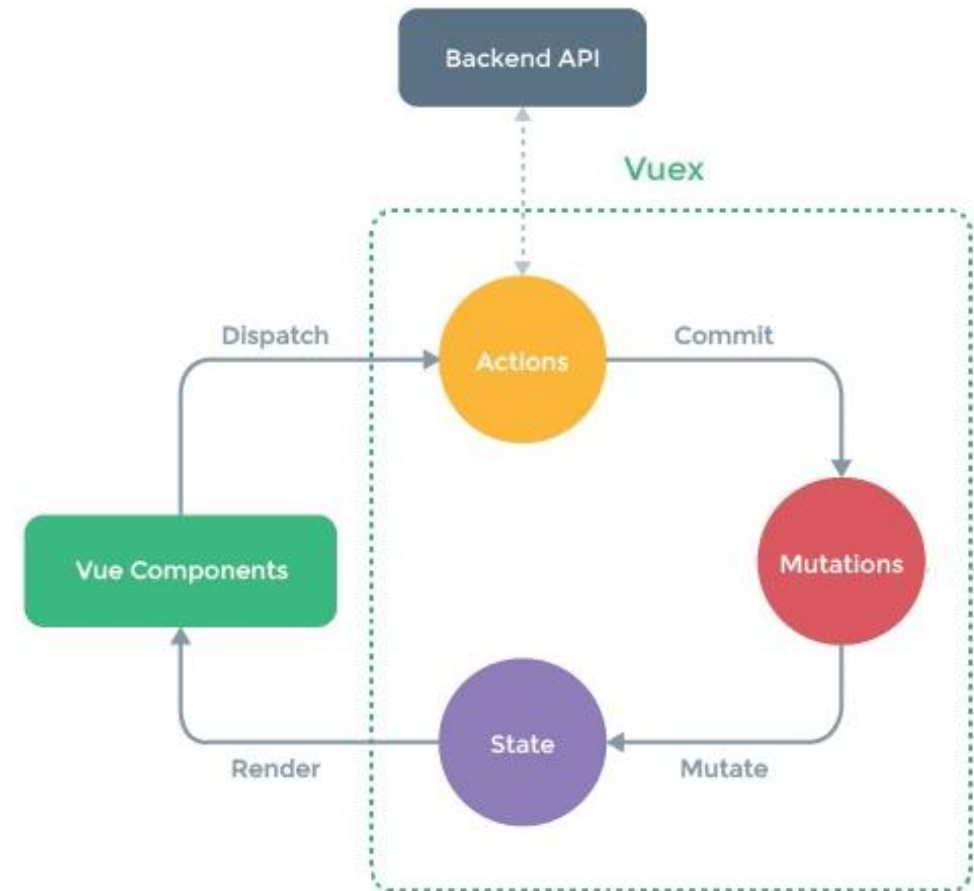
Vue.use(Router)

export default new Router({
  routes: [
    {
      path: '/',
      name: 'Hello',
      component: HelloWorld
    },
    {
      path: '/thread',
      name: 'ThreadShow',
      component: ThreadShow
    }
  ],
  mode: 'history'
})
```

Core Libraries:

Vuex

- ▶ State Management Pattern and Library
- ▶ Globally manage shared states
- ▶ Enforces rules to maintain independence between states



Core Libraries: Vue SSR

- ▶ Server-Side Rendering for faster time to content
- ▶ Optimized for SEO
- ▶ Does have trade-offs such as deployment requirements and higher CPU demand from server-side loading



Thank you!

For more on the subject the Vue
Documentation is a great start:

<https://vuejs.org/v2/guide/>



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