Vue.js

Matthias Colin

History

- 2014 - Evan You (Google)
- 2015 - 1.0 Evangelion
- 2016 - 2.0 Ghost in the Shell
- 2020 - 3.0 One Piece
- 2022 - 2. 7 Naruto (LTS)
- 2023 - 3.3 Rurouni Kenshin

vuejs.org
MIT License
MVVM front end JavaScript framework

Ecosystem

- Core library: written in TypeScript
- Tools:
  - Devtools: browser extensio for debug
  - Vue CLI - https://cli.vuejs.org/
  - Vue Loader: handle Single-File Components (SFCs)
- Official Libraries
  - Vue Router https://router.vuejs.org/
  - Vue Server Renderer (JSX, TSX) https://vuejs.org/guide/extras/render-function.html
  - Vuex => Pinia: state management pattern (store)

JavaScript, ES, TypeScript

JavaScript - JS

- Standard ECMAScript 1997 (v1) - 2023 (v14) by ECMA International
- Supported by all browsers
- node.js for server side or development

TypeScript by Microsoft

- 2012 (v1) - 2013 (v5)
- Superset of ECMAScript with Type Annotations
- Generic Programming <T>

Quick start

- Playground
- JSFiddle
- StackBlitz
- Desktop:
  - node + nvm + npm|yarn
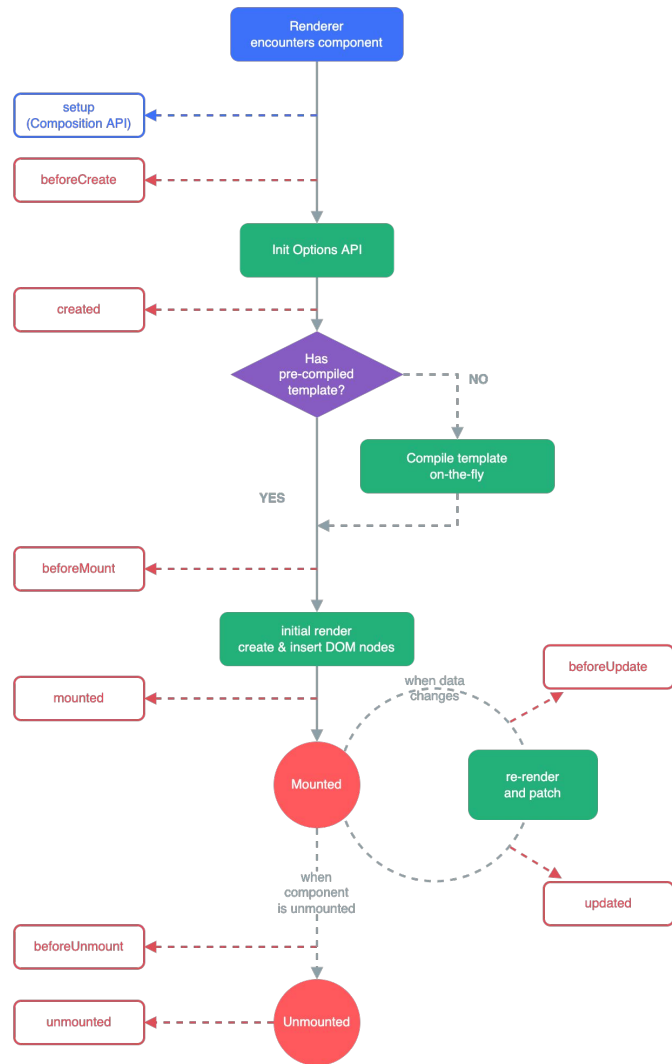 - ide (VS Code, Webstorm, IntelliJ IDEA,...)
  - Vue + Vite ou CLI

Directives

- https://vuejs.org/api/built-in-directives.html
- Builtins: v-for, v-if, v-text, v-show, v-on
- Customs:v-mydirective
- Directive Hooks: setup, data, created, mounted, updated, …
  - In mode script setup: onMounted, onUpdated

Lifecycle

https://vuejs.org/guide/essentials/lifecycle.html

https://vuejs.org/api/options-state.html

- setup
- data
- created
- mounted
- updated

Watch

Article: https://zelig880.com/how-to-use-watch-in-vue-3-in-composition-api-and-script-setup