

# Developing Faster with the Vue CLI

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## GETTING STARTED WITH THE VUE CLI



**John Papa**

DEVELOPER ADVOCATE

@john\_papa [www.johnpapa.net](http://www.johnpapa.net)





**Learn what the Vue CLI does for you**

**Why you should use the Vue CLI**

**Touring Zero Configuration options**

**Tour the Vue CLI**

**Tour the Vue CLI UI**

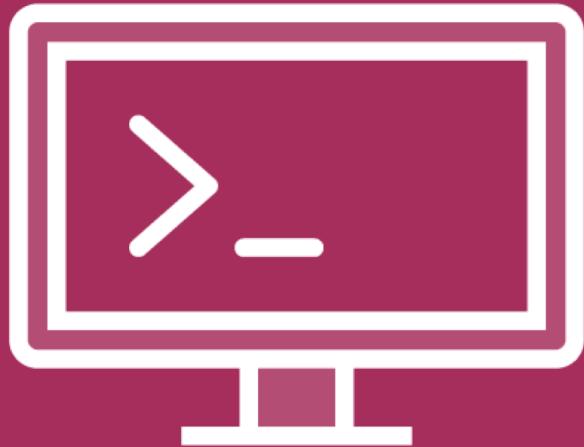


# Why You Should Use the Vue CLI

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# Vue CLI Overview



## Vue Command Line Interface (CLI)

**Rapid development experience**

**Select libraries and configures them**

**Optimize builds for loading speed**

**Choose your own adventure**

- TypeScript, JavaScript, Sass, ESLint



# What Makes Starting a New App Difficult?



- Starting from a blank slate**
- Organizing the project structure**
- Following the style guide**
- Creating an optimized build (or any build)**
- Customizing according to team conventions**
- Configuring unit and end to end testing**
- Adding plugins**



# Built-in Features

Stylus

Webpack

Modern mode

Less

Linting

Jest

TypeScript

PWA

Babel

Mocha

Sass

Nightwatch

Cypress.io

Web components



The Vue CLI makes it easy  
to create an application that  
works and follows best  
practices,  
right out of the box.



# A Sneak Peek at the Vue CLI

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```
$ npm install -g @vue/cli  
$ vue create hello-vue -d
```

Installed globally with npm  
Creates Vue app with defaults

# Install and Create a New Application

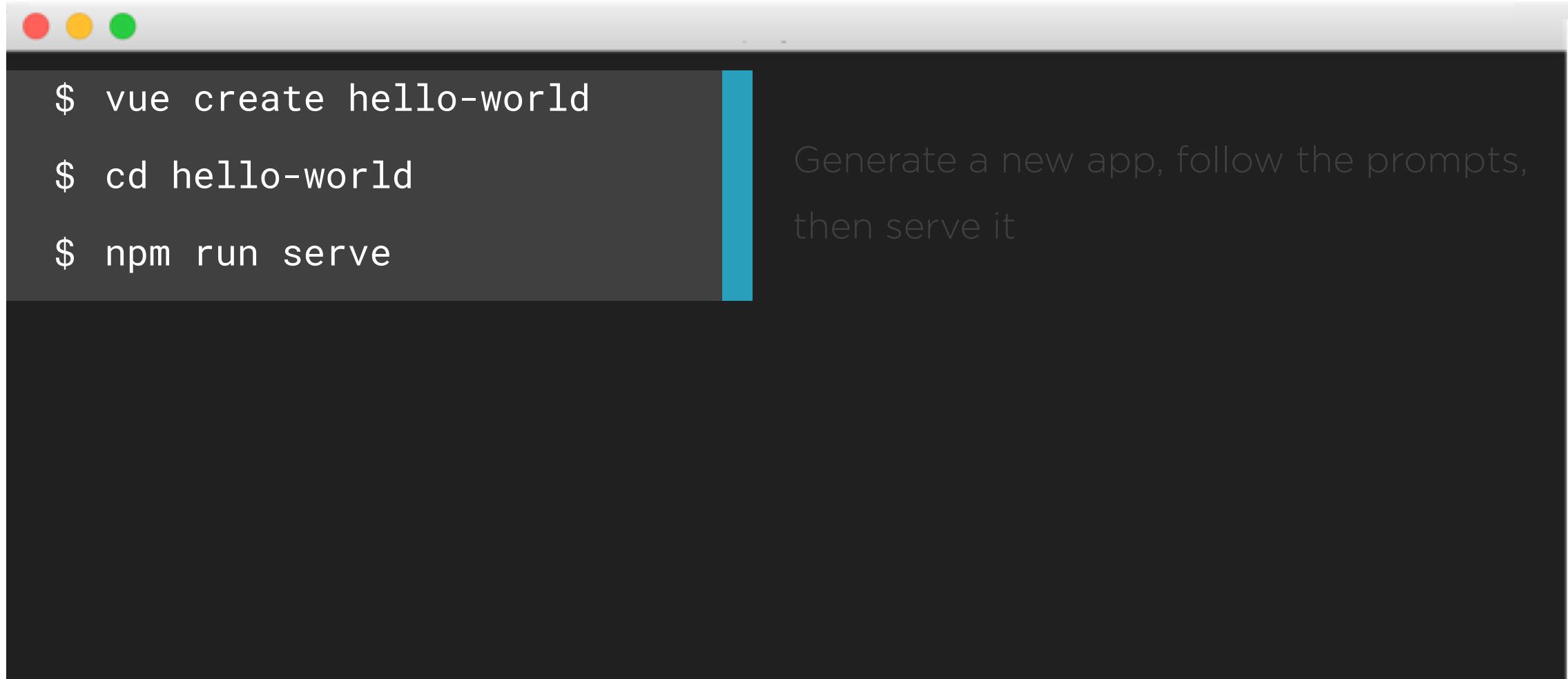
**Install the Vue CLI**

**Create a new app with `vue create`**

**Choose the default application settings with `-d`**



# Test Driving the Vue CLI

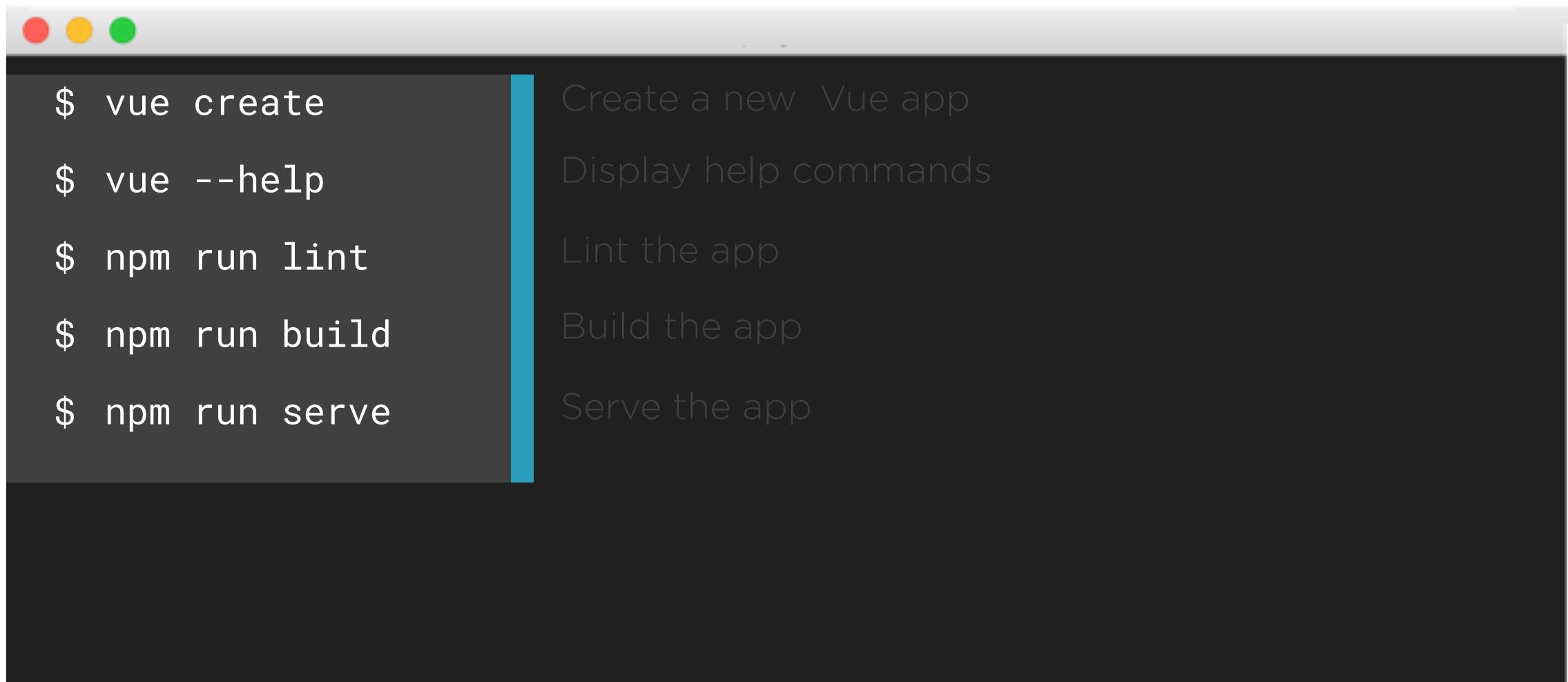


```
$ vue create hello-world
$ cd hello-world
$ npm run serve
```

Generate a new app, follow the prompts,  
then serve it



# Vue CLI's Main Commands

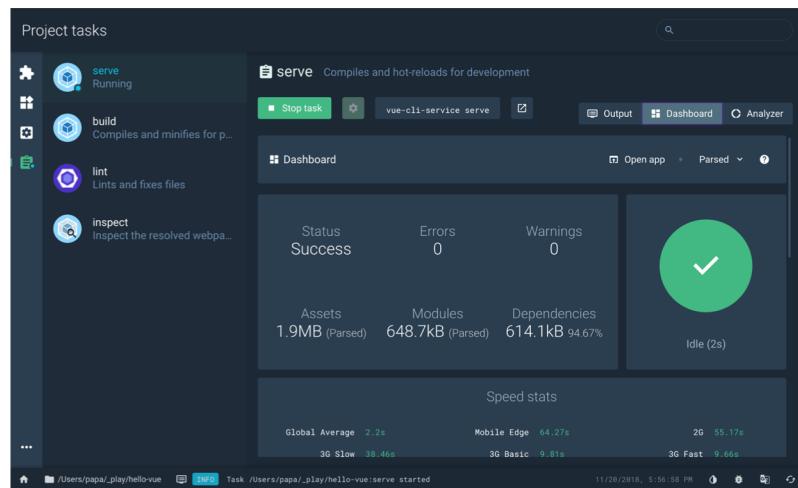


A screenshot of a terminal window with a dark background. At the top, there are three colored window control buttons (red, yellow, green). Below them, five command-line entries are listed on the left, each followed by a vertical blue bar and a detailed description on the right.

Command	Description
\$ vue create	Create a new Vue app
\$ vue --help	Display help commands
\$ npm run lint	Lint the app
\$ npm run build	Build the app
\$ npm run serve	Serve the app



# Vue CLI UI



A Visual Way to:  
Create  
Configure  
Add plugins  
Build  
Serve





serve  
Running



build  
Compiles and minifies for p...



lint  
Lints and fixes files



inspect  
Inspect the resolved webpa...

## serve Compiles and hot-reloads for development

Stop task



vue-cli-service serve



Output

Dashboard

Analyzer

Dashboard

Open app

Parsed



Status  
Success

Errors  
0

Warnings  
0

Assets  
1.9MB (Parsed)

Modules  
648.7kB (Parsed)

Dependencies  
614.1kB 94.67%



Idle (2s)

## Speed stats

Global Average 2.2s

Mobile Edge 64.27s

2G 55.17s

3G Slow 38.46s

3G Basic 9.81s

3G Fast 9.66s



/Users/papa/\_play/hello-vue

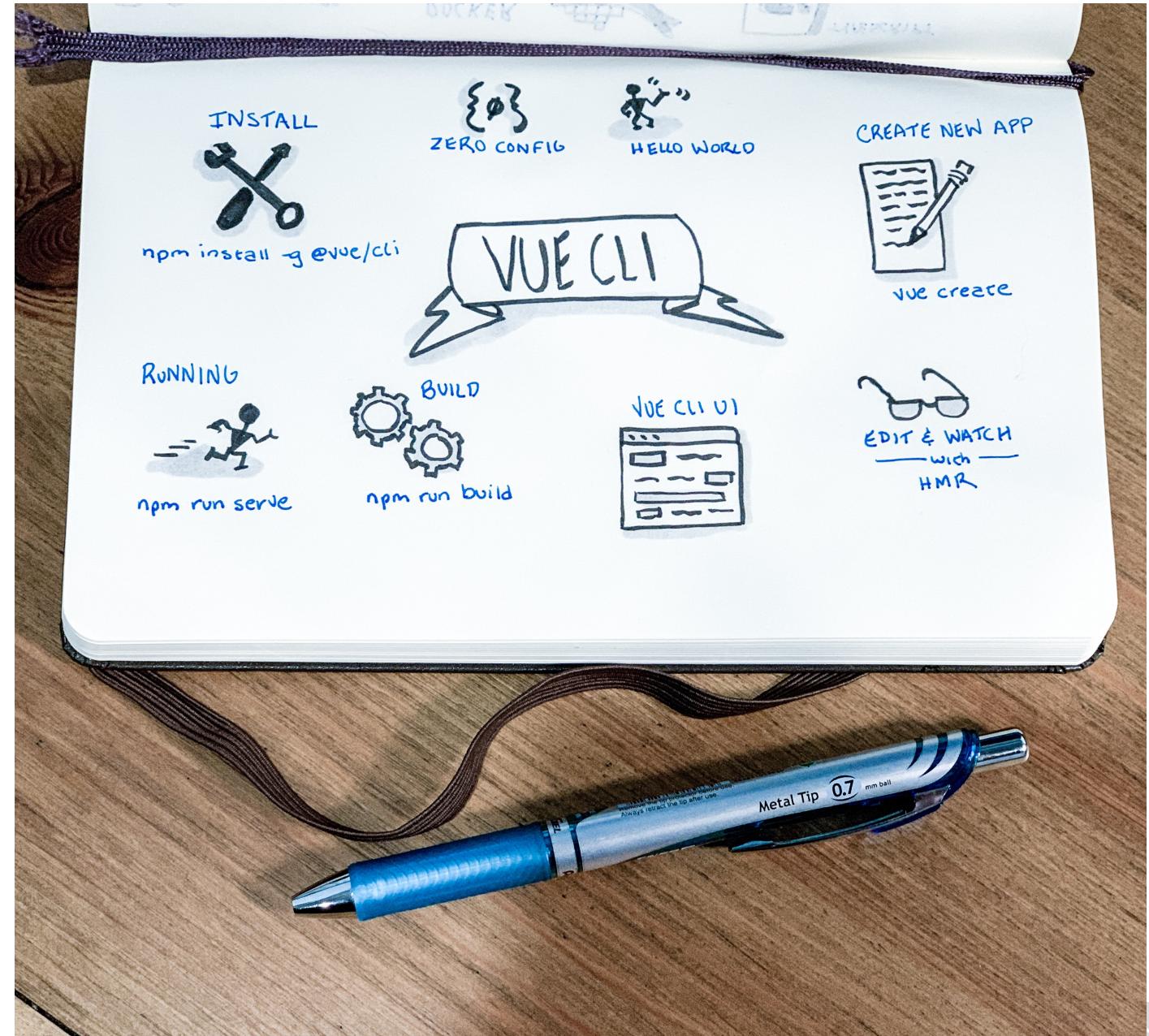
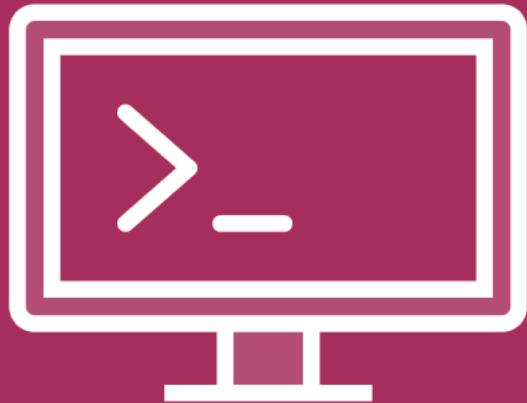
INFO

Task /Users/papa/\_play/hello-vue:serve started

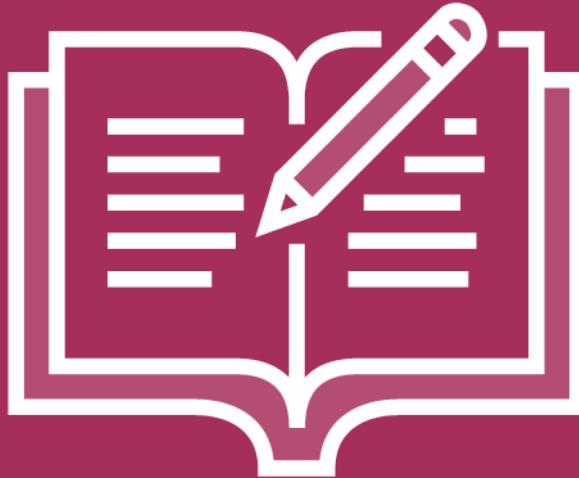
11/20/2018, 5:56:58 PM



# Demo



# Summary



**Install and verify the Vue CLI**

**Creating your new application**

**Linting your code**

**Building your app**

**Serving your app**

**Edit and hot reload**

**Using the Vue CLI UI**

