



# Live Coding Workshop: Setup Rollbar Error Monitoring

Session Duration  
1 Hour

# Coding Workshop Topics

**0**

**Create New Vue TS Project**

**1**

**Create a Rollbar Account (Free)**

**2**

**Integrate Your Application With The Rollbar SDK**

**3**

**Send Handled And Unhandled Errors To Rollbar**

**4**

**Add Custom Payload Data To Your Configuration**

0

## Create New Vue Project

A terminal window with a dark background and light text. The title bar shows three colored window control buttons (red, yellow, green) and a folder icon. The title text is "nkruger — node < npm create vue@latest \_\_CFBundleIdentifier=com.apple.Terminal". The main content shows the command "npm create vue@latest" being entered at the prompt.

```
nkruger — node < npm create vue@latest __CFBundleIdentifier=com.apple.Terminal
```

```
Last login: Sun Sep 24 09:45:20 on ttys000
```

```
nkruger@nicos-mbp ~ % npm create vue@latest
```

**Project Name**  
vuetsrollbardemo

## 0.1

# Select Project Options

```
nkruger — -zsh — 111x29

Last login: Sun Sep 24 09:45:20 on ttys000
[nkruger@nicos-mbp ~ % npm create vue@latest

Vue.js - The Progressive JavaScript Framework

[✓] Project name: ... vuetsrollbardemo
[✓] Add TypeScript? ... No / Yes
[✓] Add JSX Support? ... No / Yes
[✓] Add Vue Router for Single Page Application development? ... No / Yes
[✓] Add Pinia for state management? ... No / Yes
[✓] Add Vitest for Unit Testing? ... No / Yes
[✓] Add an End-to-End Testing Solution? > Playwright
[✓] Add ESLint for code quality? ... No / Yes
[✓] Add Prettier for code formatting? ... No / Yes

Scaffolding project in /Users/nkruger/vuetsrollbardemo...
```

## 0.2

# Success! New Project Created

```
nkruiger — -zsh — 111x29
Last login: Sun Sep 24 09:45:20 on ttys000
[nkruiger@nicos-mbp ~ % npm create vue@latest

Vue.js - The Progressive JavaScript Framework

[✓] Project name: ... vuetsrollbardemo
[✓] Add TypeScript? ... No / Yes
[✓] Add JSX Support? ... No / Yes
[✓] Add Vue Router for Single Page Application development? ... No / Yes
[✓] Add Pinia for state management? ... No / Yes
[✓] Add Vitest for Unit Testing? ... No / Yes
[✓] Add an End-to-End Testing Solution? > Playwright
[✓] Add ESLint for code quality? ... No / Yes
[✓] Add Prettier for code formatting? ... No / Yes

Scaffolding project in /Users/nkruiger/vuetsrollbardemo...

Done. Now run:

  cd vuetsrollbardemo
  npm install
  npm run format
  npm run dev
```

## 0.3

# Let's complete, npm install

```
cd vuetsrollbardemo  
npm install  
npm run format  
npm run dev
```

```
[nkruger@nicos-mbp ~ % cd vuetsrollbardemo
```

```
[nkruger@nicos-mbp vuetsrollbardemo % npm install
```

```
added 440 packages, and audited 441 packages in 30s
```

```
96 packages are looking for funding  
  run `npm fund` for details
```

```
found 0 vulnerabilities
```

## 0.4

# Let's complete, npm run format

```
nkruiger@nicos-mbp vuetsrollbardemo % npm run format
```

```
> vuetsrollbardemo@0.0.0 format
```

```
> prettier --write src/
```

```
src/App.vue 379ms
```

```
src/assets/base.css 16ms
```

```
src/assets/main.css 5ms
```

```
src/components/__tests__/HelloWorld.spec.ts 23ms
```

```
src/components/HelloWorld.vue 61ms
```

```
src/components/icons/IconCommunity.vue 7ms
```

```
src/components/icons/IconDocumentation.vue 5ms
```

```
src/components/icons/IconEcosystem.vue 5ms
```

```
src/components/icons/IconSupport.vue 3ms
```

```
src/components/icons/IconTooling.vue 4ms
```

```
src/components/TheWelcome.vue 23ms
```

```
src/components/WelcomeItem.vue 16ms
```

```
src/main.ts 7ms
```

```
src/router/index.ts 13ms
```

```
src/stores/counter.ts 11ms
```

```
src/views/AboutView.vue 4ms
```

```
src/views/HomeView.vue 3ms
```

```
nkruiger@nicos-mbp vuetsrollbardemo %
```

**0.5**

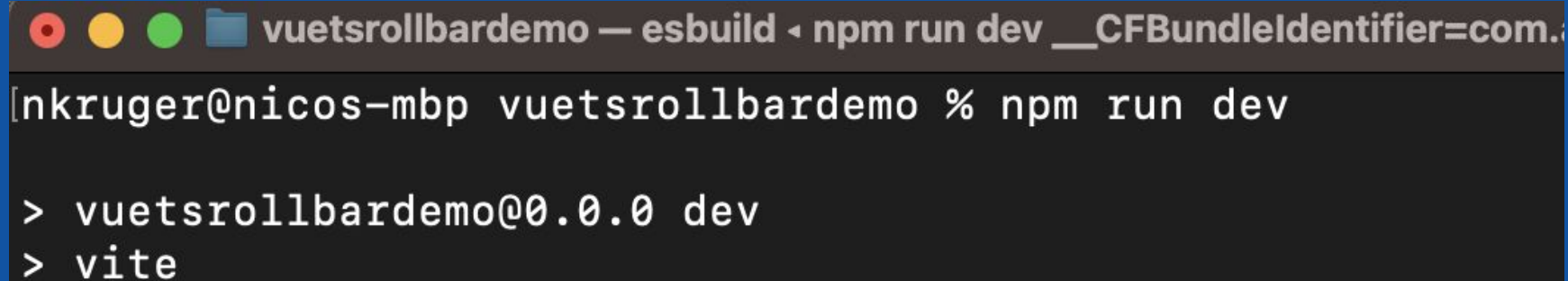
## **New Directory Permissions!**

Ensure you have read / write permissions to the newly created directory. As we will be adding files, modifying files.



0.6

## Let's Run It!



A terminal window with a dark background and light text. The title bar shows three colored window control buttons (red, yellow, green) and a folder icon, followed by the text "vuetsrollbardemo — esbuild ◀ npm run dev \_\_CFBundleIdentifier=com.". The terminal content shows the prompt "[nkruger@nicos-mbp vuetsrollbardemo % npm run dev" followed by two lines of output: "> vuetsrollbardemo@0.0.0 dev" and "> vite".

```
[nkruger@nicos-mbp vuetsrollbardemo % npm run dev  
  
> vuetsrollbardemo@0.0.0 dev  
> vite
```

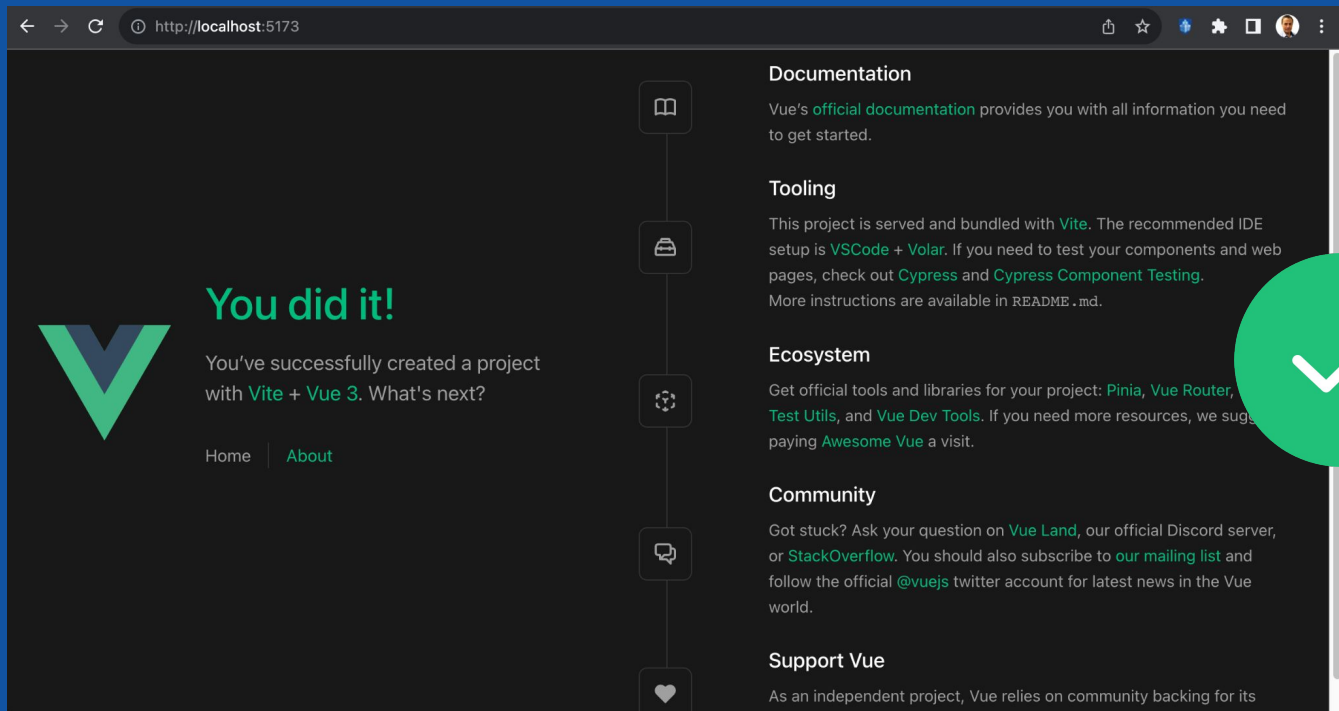
0.7

## Success! Compiled And Running

```
vuetsrollbardemo — esbuild ◀ npm run dev __CFBundleIdentifier=com.app  
> vuetsrollbardemo@0.0.0 dev  
> vite  
  
VITE v4.4.9 ready in 751 ms  
  
→ Local:   http://localhost:5173/  
→ Network: use --host to expose  
→ press h to show help
```

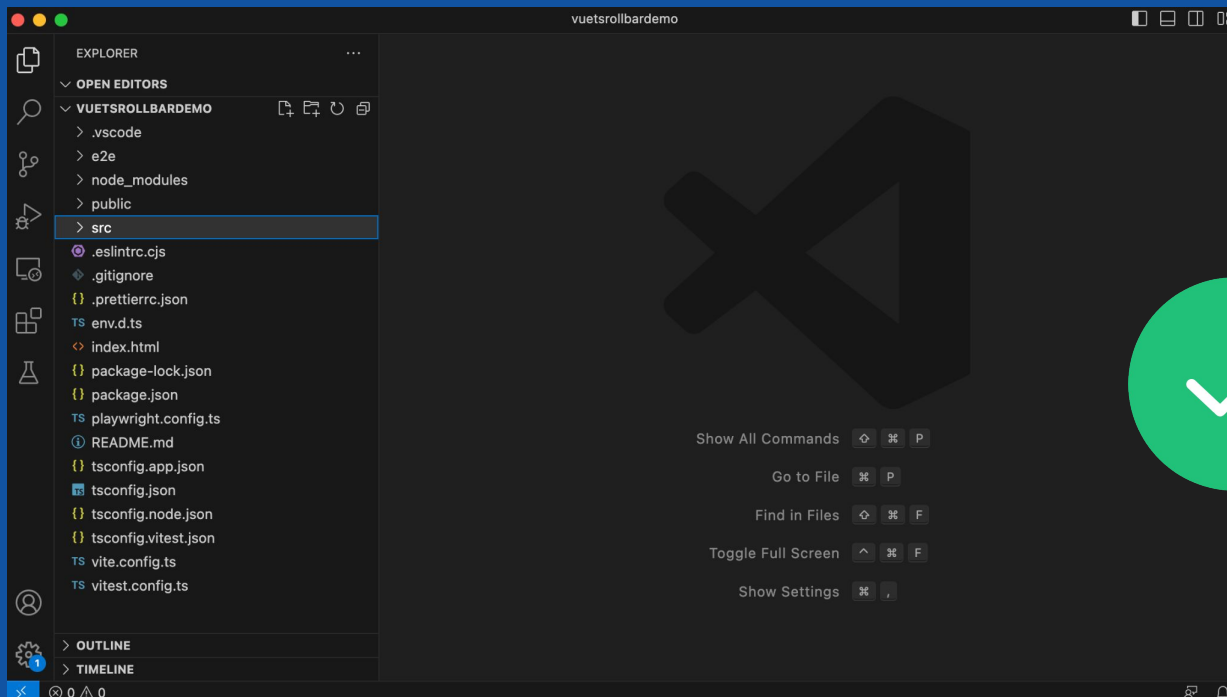
0.8

Open Browser >> <https://localhost:5173>



0.9

# Open Code Editor For Project...



# Progress Tracker

0

**Create New Vue TS Project**



1

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**Send Handled And Unhandled Errors To Rollbar**

4

**Add Custom Payload Data To Your Configuration**

**5 Min Pause**

**Is Everyone Ready  
To Proceed?**

**Have Enough  
Coffee?**



1

# Create a Rollbar Account (Free)

**Use This Sign-Up URL:**

<https://rollbar.com/errorpush-promo>

Start your **FREE** Rollbar account



5k free events per month



Easy and quick installation



Connect Slack, Jira, Trello & more



SIGN UP WITH GITHUB



SIGN UP WITH GOOGLE

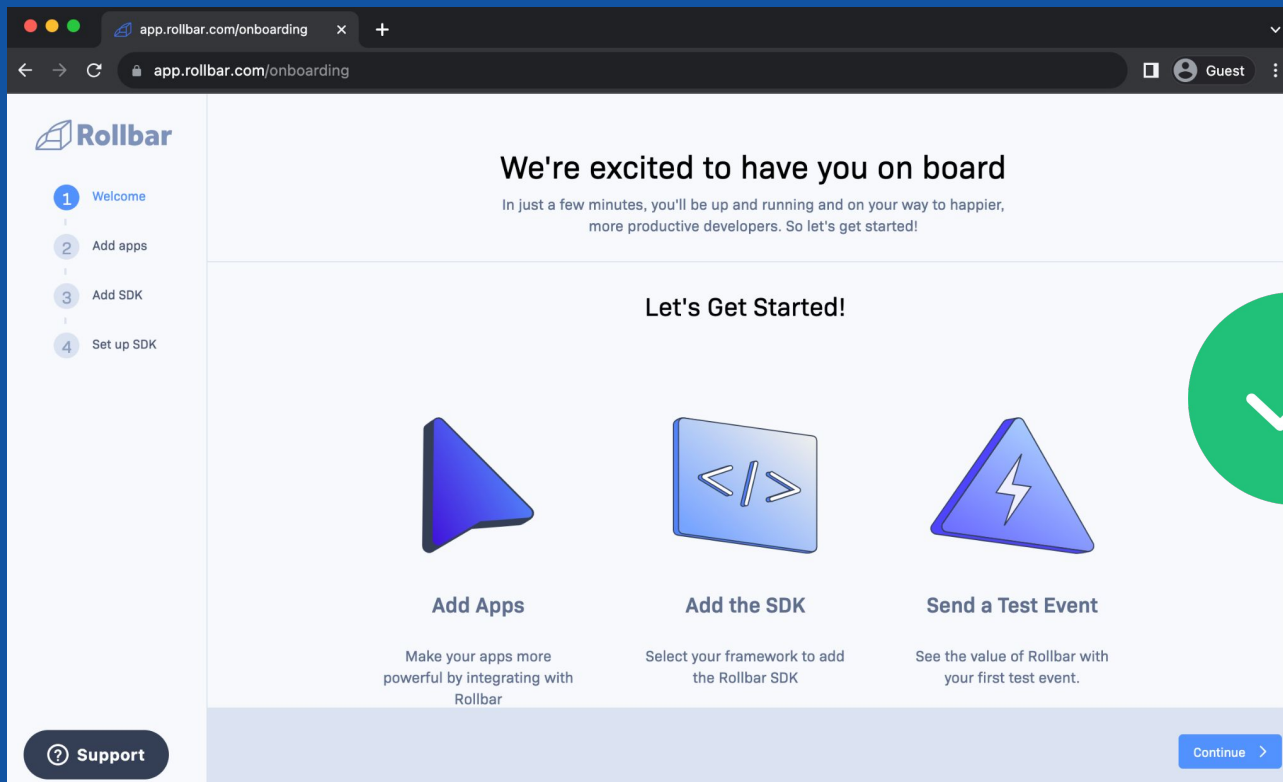
OR

Your email address

SIGN UP

# 1.1

## After Sign-Up, Ready To Start...



The screenshot shows the Rollbar onboarding page in a web browser. The browser's address bar displays 'app.rollbar.com/onboarding'. The page features a sidebar on the left with a progress indicator showing four steps: 1. Welcome (active), 2. Add apps, 3. Add SDK, and 4. Set up SDK. The main content area has a heading 'We're excited to have you on board' followed by a subheading 'Let's Get Started!'. Below this, there are three interactive cards: 'Add Apps' (with a blue triangle icon), 'Add the SDK' (with a blue square icon containing code symbols), and 'Send a Test Event' (with a blue triangle icon containing a lightning bolt). Each card includes a brief description of the step. A large green circle with a white checkmark is overlaid on the right side of the page. At the bottom right, there is a 'Continue >' button. At the bottom left, there is a 'Support' button with a question mark icon.

Rollbar

1 Welcome

2 Add apps

3 Add SDK

4 Set up SDK

We're excited to have you on board

In just a few minutes, you'll be up and running and on your way to happier, more productive developers. So let's get started!

Let's Get Started!

**Add Apps**

Make your apps more powerful by integrating with Rollbar

**Add the SDK**

Select your framework to add the Rollbar SDK

**Send a Test Event**

See the value of Rollbar with your first test event.

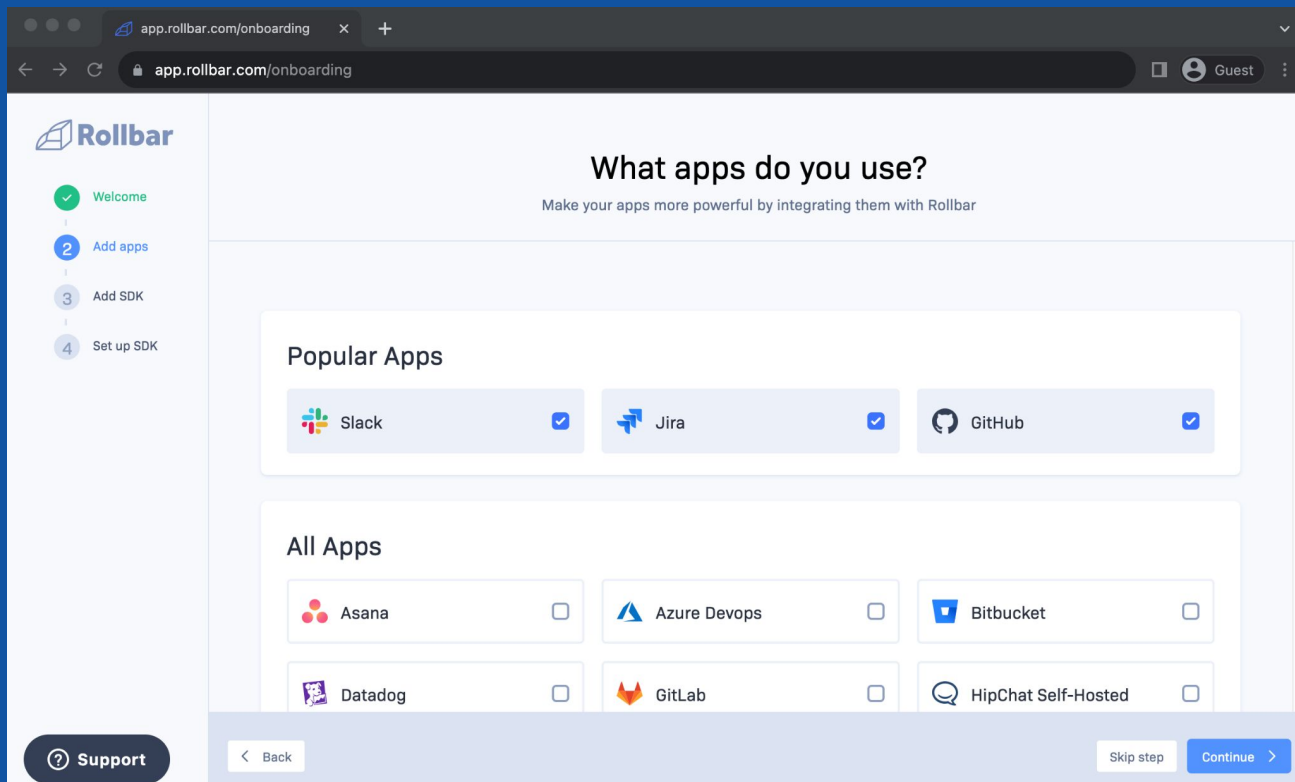
Support

Continue >



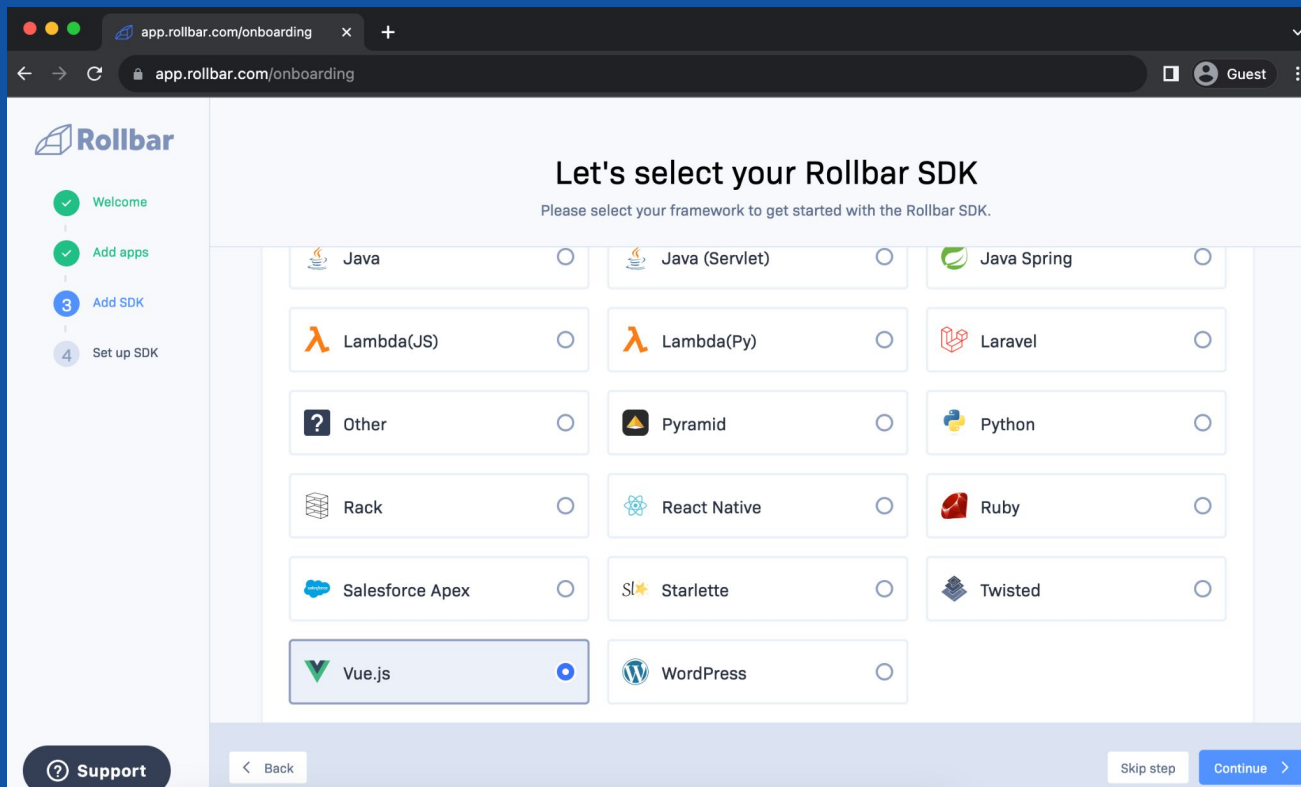
## 1.2

# Select Integrations...



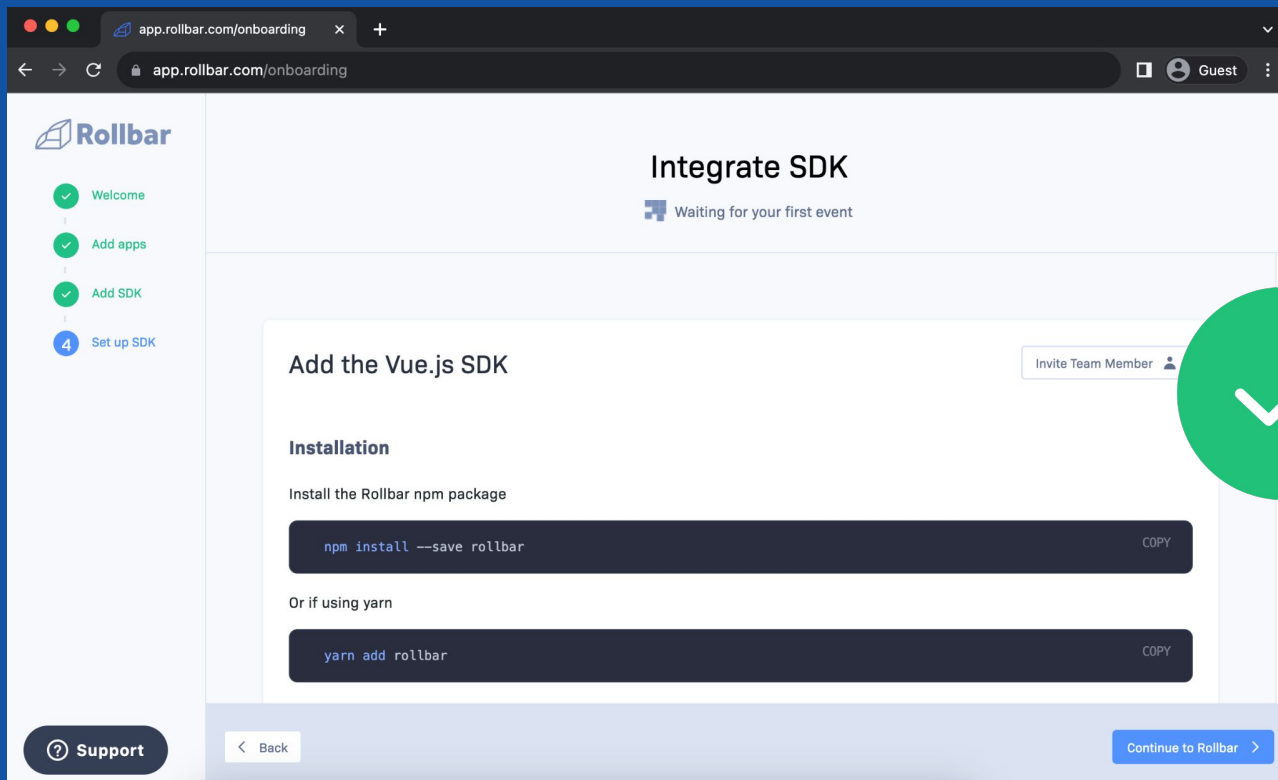
## 1.3

# Scroll Down, Select Vue.js...



# 1.4

## Integration Steps. Wait!



app.rollbar.com/onboarding

Rollbar

- ✓ Welcome
- ✓ Add apps
- ✓ Add SDK
- 4 Set up SDK

### Integrate SDK

Waiting for your first event

#### Add the Vue.js SDK

Invite Team Member

##### Installation

Install the Rollbar npm package

```
npm install --save rollbar
```

COPY

Or if using yarn

```
yarn add rollbar
```

COPY

Support

Back

Continue to Rollbar

# Progress Tracker

0

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**Add Custom Payload Data To Your Configuration**

**5 Min Pause**

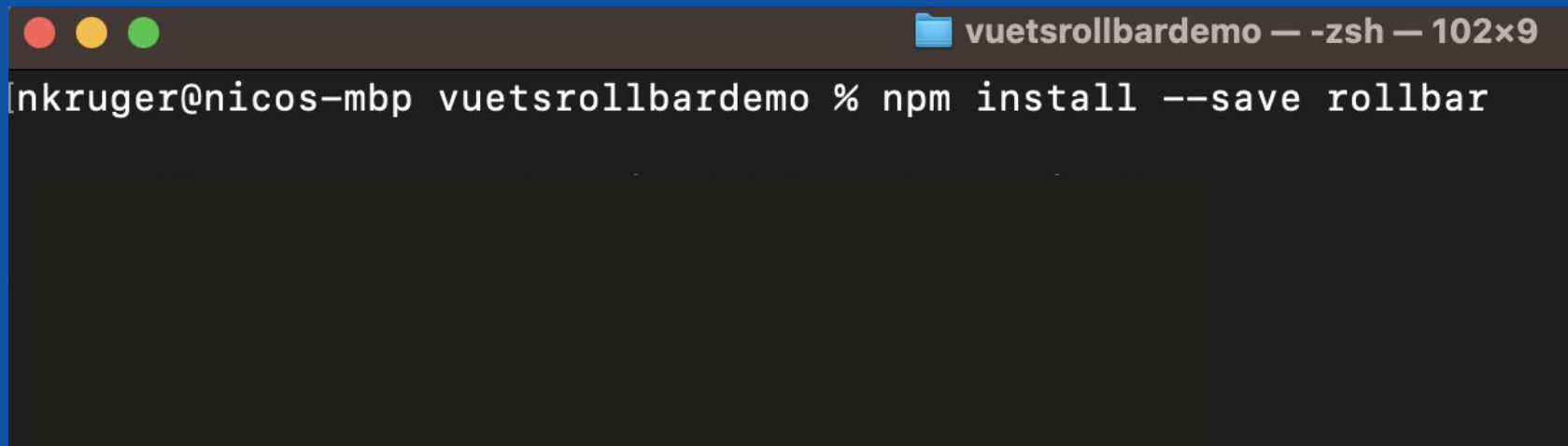
**Is Everyone Ready  
To Proceed?**

**Have Enough  
Coffee?**



2

## Integrate Your Application With The Rollbar SDK (Vue SDK)

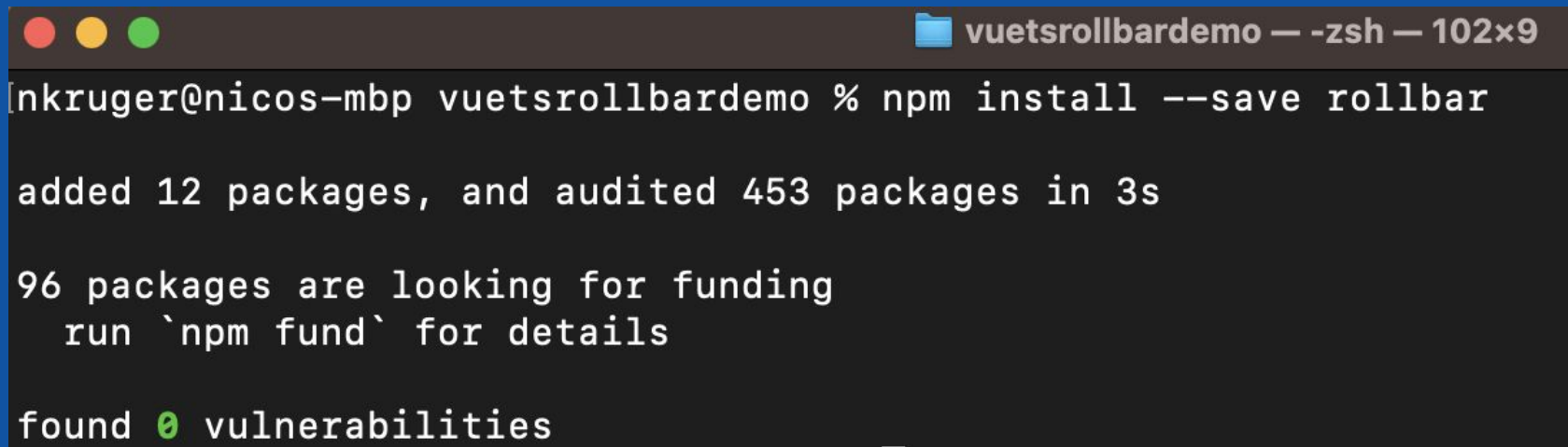


```
vuetsrollbardemo — -zsh — 102x9
Inkruger@nicos-mbp vuetsrollbardemo % npm install --save rollbar
```

A terminal window with a dark background and light gray text. The title bar at the top shows three colored window control buttons (red, yellow, green) on the left and a folder icon followed by the text "vuetsrollbardemo — -zsh — 102x9" on the right. The main area of the terminal displays the command "Inkruger@nicos-mbp vuetsrollbardemo % npm install --save rollbar" in a monospaced font.

## 2.1

# Rollbar Package Installed



```
vuetsrollbardemo — -zsh — 102x9
Inkruger@nicos-mbp vuetsrollbardemo % npm install --save rollbar

added 12 packages, and audited 453 packages in 3s

96 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```

## 2.2

# Follow Onboarding Steps...

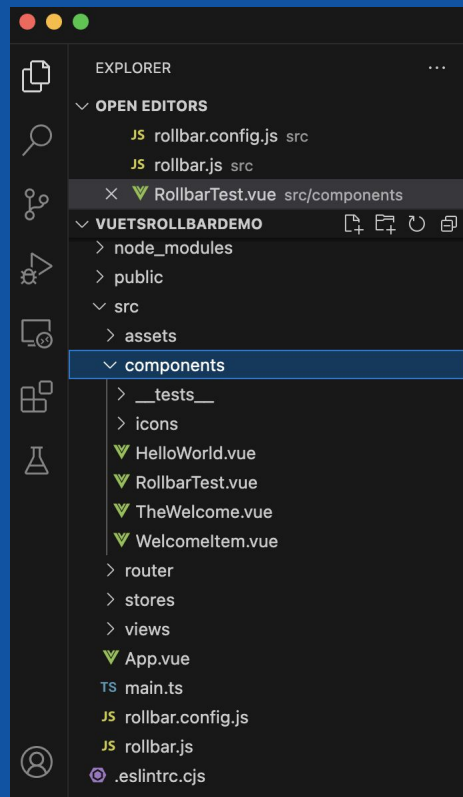
### Summary of Next Steps:

- Create **rollbar.config.js** file in src directory.
- Create VUE Plug-in file for Rollbar called **rollbar.js** file in src directory.
- Register Plug-in, in the **Main App** File.
- Create **RollbarTest.vue** in components directory.
- Register test component in the **Main App** File.
- Run App and locate new button called **Trigger Error** on page.



## 2.3

# Note Files in “src” Folder...



## 2.4

# rollbar.config.js

```
src > JS rollbar.config.js > [🔗] default
1  // rollbar.config.js
2  export default {
3      accessToken: 'XXXX',
4      captureUncaught: true,
5      captureUnhandledRejections: true,
6      payload: {
7          environment: 'dev',
8          client: {
9              javascript: {
10                 code_version: '1.0.0',
11             }
12         }
13     },
14 };
```

## 2.5

# rollbar.js

src > JS rollbar.js > [🔍] default

```
1  import Rollbar from 'rollbar';
2  import config from './rollbar.config';
3
4  const rollbar = new Rollbar(config);
5
6  export default {
7    install(app) {
8      app.config.errorHandler = (error, vm, info) => {
9        rollbar.error(error, { vueComponent: vm, info });
10        if (app.config.devtools) {
11          console.error(error);
12        }
13      };
14      app.provide('rollbar', rollbar);
15    },
16  };
```

## 2.6

# Main.ts

TS main.ts 2 ●

src > TS main.ts > ...

```
3   import { createApp } from 'vue'
4   import { createPinia } from 'pinia'
5
6   import App from './App.vue'
7   import router from './router'
8   import RollbarPlugin from './rollbar' // Path to your rollbar.js file
9   import RollbarTest from './components/RollbarTest.vue' // Path to your RollbarTest.vue file
10
11  const app = createApp(App)
12
13  // Register the Rollbar Error Handler
14  app.use(RollbarPlugin)
15
16  app.use(createPinia())
17  app.use(router)
18
19  // Register the Rollbar tester component
20  app.component('RollbarTest', RollbarTest)
21  |
22  app.mount('#app')
23
```

## 2.7

# RollbarTest.vue (will modify for TS)

src > components > ▼ RollbarTest.vue > {} script

```
1  <!-- RollbarTest.vue -->
2  <template>
3    <div>
4      <button @click="triggerError">Trigger Error</button>
5    </div>
6  </template>
7
8  <script>
9    export default {
10      methods: {
11        triggerError() {
12          // Simulate an error
13          throw new Error('Testing Rollbar integration');
14        },
15      },
16    };
17  </script>
```

## 2.8

# RollbarTest.vue (modify for TS)

src > components > ▼ RollbarTest.vue > {} script

```
1  <!-- RollbarTest.vue -->
2  <template>
3    <div>
4      <button @click="triggerError">Trigger Error</button>
5    </div>
6  </template>
7
8  <script lang="ts">
9    export default {
10      methods: {
11        triggerError() {
12          // Simulate an error
13          throw new Error('Testing Rollbar integration')
14        },
15      },
16    }
17  </script>
```

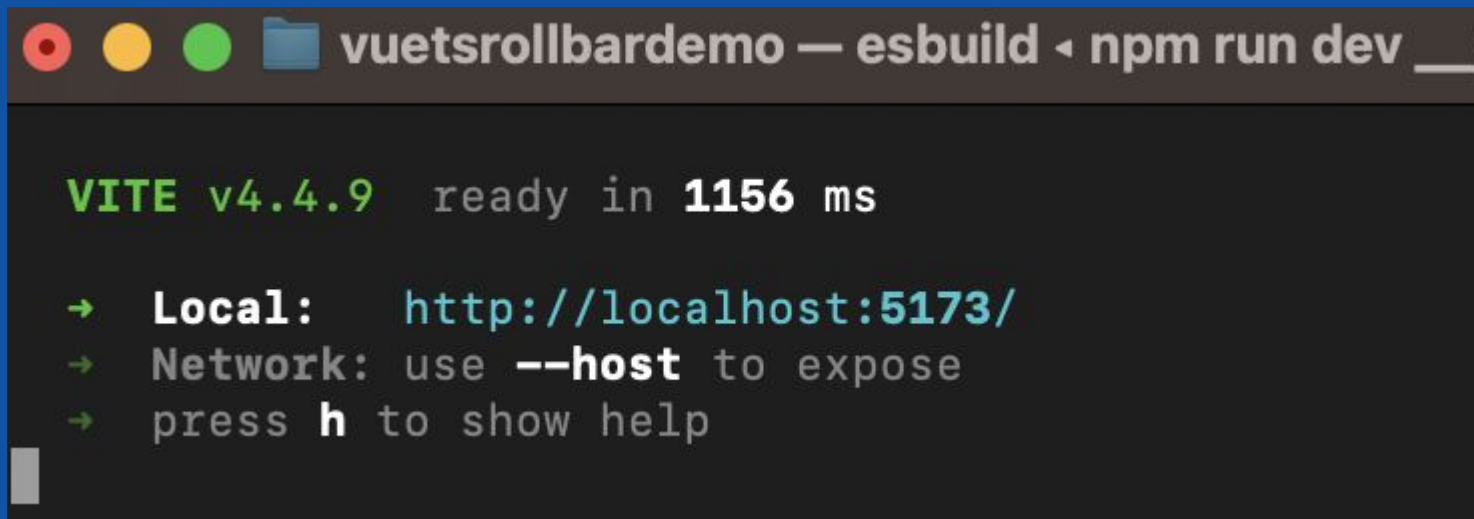
## 2.9

# App.vue

```
▼ App.vue 1 × 1
src > ▼ App.vue > {} template
1  <script setup lang="ts">
2  import { RouterLink, RouterView } from 'vue-router'
3  import HelloWorld from './components/HelloWorld.vue'
4  import RollbarTest from './components/RollbarTest.vue'
5  </script>
6
7  <template>
8    <header>
9      
10
11      <div class="wrapper">
12        <RollbarTest></RollbarTest>
13        <HelloWorld msg="You did it!" />
14
15        <nav>
16          <RouterLink to="/">Home</RouterLink>
17          <RouterLink to="/about">About</RouterLink>
18        </nav>
19      </div>
20    </header>
21
22    <RouterView />
23  </template>
24
```

## 2.10

# Run Your Application, npm run dev

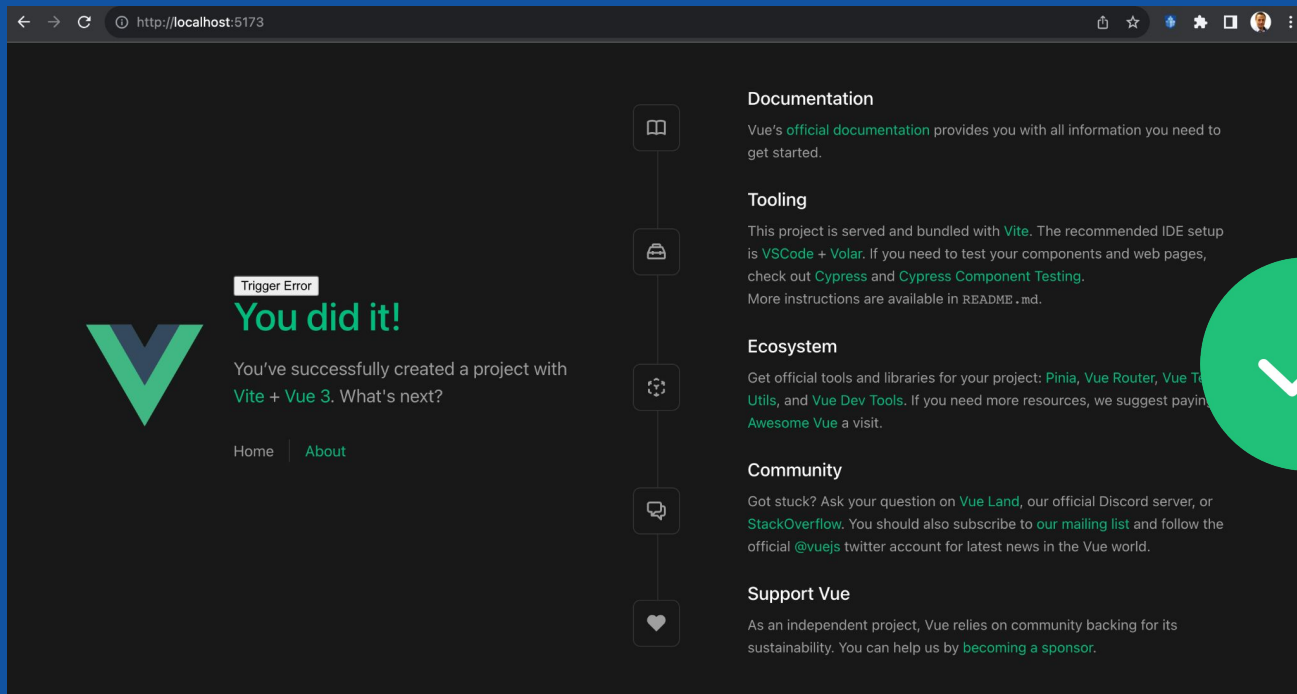
A terminal window with a dark background and light-colored text. The window title bar shows three colored circles (red, yellow, green) and a folder icon, followed by the text "vuetsrollbardemo — esbuild ◀ npm run dev \_\_\_\_". The terminal output shows "VITE v4.4.9 ready in 1156 ms" in green, followed by three lines of instructions: "→ Local: http://localhost:5173/" in cyan, "→ Network: use --host to expose" in gray, and "→ press h to show help" in gray. A small gray cursor bar is visible on the left side of the terminal.

```
vuetsrollbardemo — esbuild ◀ npm run dev ____  
  
VITE v4.4.9 ready in 1156 ms  
  
→ Local: http://localhost:5173/  
→ Network: use --host to expose  
→ press h to show help
```



## 2.11

# End Result Should Be...



# Progress Tracker

0

Create New Vue TS Project



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Create a Rollbar Account (Free)



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Integrate Your Application With The Rollbar SDK



3

Send Handled And Unhandled Errors To Rollbar

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**5 Min Pause**

**Is Everyone Ready  
To Proceed?**

**Have Enough  
Coffee?**





# Common Exception Types

## Common Exceptions / Errors:

- **Syntax** Errors - Wrong code syntax
- **Runtime** Errors - Illegal operation during execution
- **Logical** Errors - Mistake in program logic
- **HTTP** Errors - API returning an HTTP Error (5XX, 4XX)

i

# Handled vs Unhandled Errors

## Unhandled Errors

- Code exceptions and app crashed

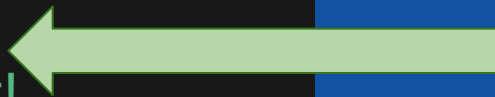
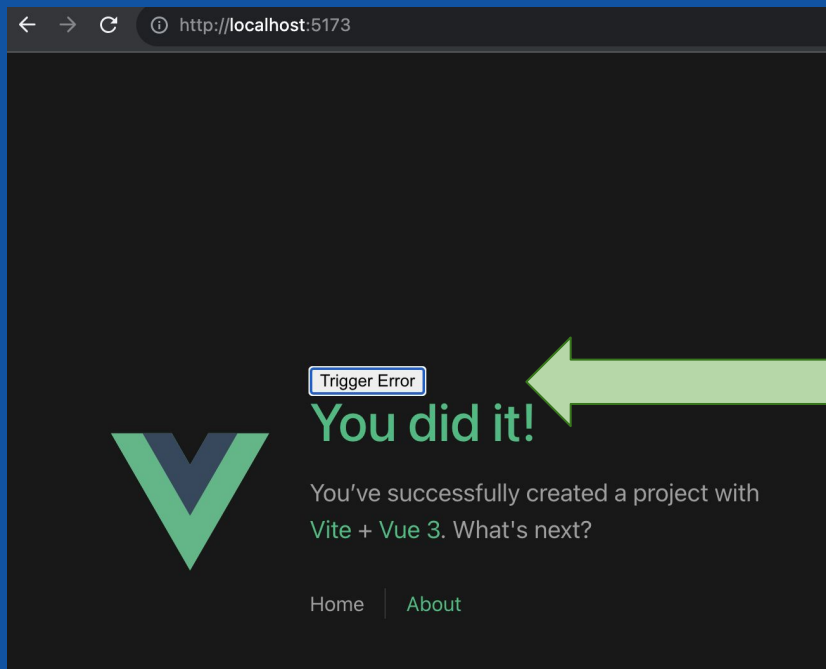
## Handled Errors

- Typically managed in a try/catch



3

## Send Handled And Unhandled Errors To Rollbar



**Click Now!**

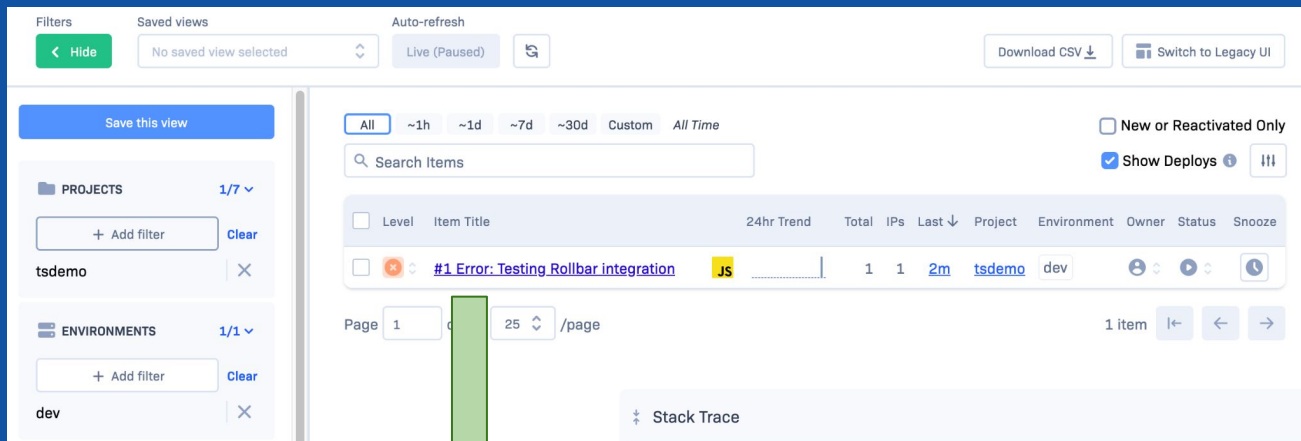
### 3.1

## Click “Trigger Error” Button

*Once clicked the Error will show in Rollbar!*

## 3.2

# View Error In Rollbar



The screenshot shows the Rollbar web interface. On the left, there are filters for 'PROJECTS' (1/7) and 'ENVIRONMENTS' (1/1). The main area displays a list of errors. The first error is '#1 Error: Testing Rollbar integration' in the 'demo' environment. A green arrow points from this error entry to the expanded stack trace view shown below.

Filters: **Hide** | Saved views: No saved view selected | Auto-refresh: Live (Paused) | Download CSV | Switch to Legacy UI

Save this view

PROJECTS 1/7

+ Add filter Clear

demo

ENVIRONMENTS 1/1

+ Add filter Clear

dev

All ~1h ~1d ~7d ~30d Custom All Time

Search Items

☐ Level Item Title 24hr Trend Total IPs Last ↓ Project Environment Owner Status Snooze

☐ #1 Error: Testing Rollbar integration JS 1 1 2m demo dev

Page 1 25 /page 1 item

### Stack Trace

Error: Testing Rollbar integration  
(Most recent call first)

at Proxy.triggerError(http://localhost:5173/src/components/RollbarTest.vue:4:13)

at \_createElementVNode.onClick.\_cache.<computed>.\_cache.<computed>(http://localhost:5173/src/components/RollbarTest.vue:12:89)

3 non-project frames

at callWithErrorHandling(http://localhost:5173/node\_modules/.vite/deps/chunk-J6475X5X.js:1565:18)

at callWithAsyncErrorHandling(http://localhost:5173/node\_modules/.vite/deps/chunk-J6475X5X.js:1573:17)

at HTMLButtonElement.invoker(http://localhost:5173/node\_modules/.vite/deps/chunk-J6475X5X.js:9397:5)



### 3.3

## Another Code Example

```
src > components > ▼ RollbarTest.vue > {} script
1  <!-- RollbarTest.vue -->
2  <template>
3    <div>
4      <button @click="triggerError">Trigger Error</button>
5      <button @click="triggerError2">Trigger Error 2</button>
6    </div>
7  </template>
8
9  <script lang="ts">
10 export default {
11   methods: {
12     triggerError() {
13       // Simulate an error
14       throw new Error('Testing Rollbar integration')
15     },
16     triggerError2() {
17       const x = 1n
18       const y = 0n
19       const quotient = x / y
20       console.log(quotient)
21     },
22   },
23 }
24 </script>
```

# Coding Workshop Done

0

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3

**Send Handled And Unhandled Errors To Rollbar**



4

**Add Custom Payload Data To Your Configuration**

## 4

# Add Custom Payload Data To Your Configuration

Some common additional data fields that are added to the payload include:

- **Session ID**
- **Trace ID** - Extra context in in web service based application
- **Feature Flag ID** - To trigger a Webhook notification to turn off a feature with errors
- **End User Type** - To trigger a notification if important end users are experiencing errors
- **Owning Team** - To route an error to the correct team

## 4.1

# Example Person Data

```
src > JS rollbar.config.js > [⌘] default
1  // rollbar.config.js
2  export default {
3    accessToken: 'XXXX',
4    captureUncaught: true,
5    captureUnhandledRejections: true,
6    payload: {
7      environment: 'dev',
8      client: {
9        javascript: {
10         code_version: '1.0.0',
11       }
12     },
13     // Adding info about the user affected by this event (optional)
14     // The 'id' field is required, anything else is optional
15     person: {
16       id: '1234',
17       username: 'testuser',
18       email: 'user@email'
19     },
20   },
21 };|
```

## 4.2

# Example Custom Data

```
src > JS rollbar.config.js > [⌘] default
1  // rollbar.config.js
2  export default {
3    accessToken: 'XXXX',
4    captureUncaught: true,
5    captureUnhandledRejections: true,
6    payload: {
7      environment: 'dev',
8      client: {
9        javascript: {
10         code_version: '1.0.0',
11       }
12     },
13     // Adding info about the user affected by this event (optional)
14     // The 'id' field is required, anything else is optional
15     person: {
16       id: '1234',
17       username: 'testuser',
18       email: 'user@email'
19     },
20
21     // Example of adding arbitrary metadata (optional)
22     custom: {
23       trace_id: 'aabbccddeeff',
24       feature_flag: [
25         'feature_1',
26         'feature_2'
27       ]
28     }
29   },
30 },
31 };
```

# Coding Workshop Done

0

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**Integrate Your Application With The Rollbar SDK**



3

**Send Handled And Unhandled Errors To Rollbar**



4

**Add Custom Payload Data To Your Configuration**





# Code Examples and Quick Start:



<https://vuejs.org/guide/typescript/overview.html>



<https://github.com/TheDevFactory/vuetsdemo/>

