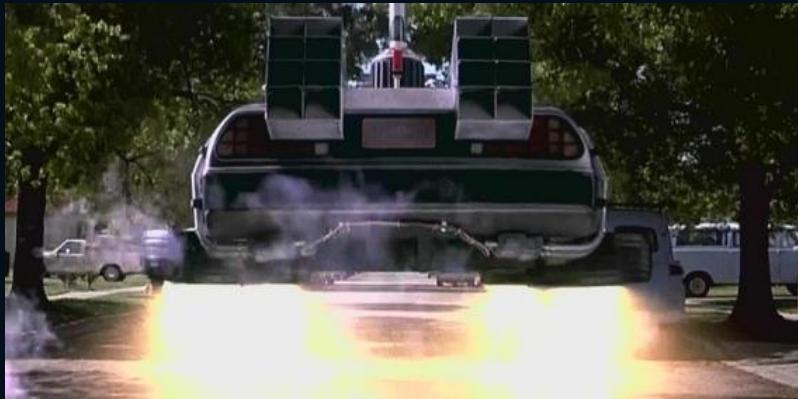


Migrating From Vue 2 Class Components

A classic car, possibly a Ford Mustang, is shown performing a burnout on a dark surface. The car is angled towards the right, with its rear tires smoking and emitting a bright orange-yellow flame. The background is dark, and the scene is illuminated by the fire and some ambient light, creating a dramatic effect with glowing blue and purple streaks trailing off from the car's body.

Robby Helms · Web Lead @ Pocket Prep

The road ahead



- Pocket Prep's story
 - Searching for the best Vue + TypeScript experience
- Options API <> Class Components
- Class Components <> Composition API



Pocket Prep

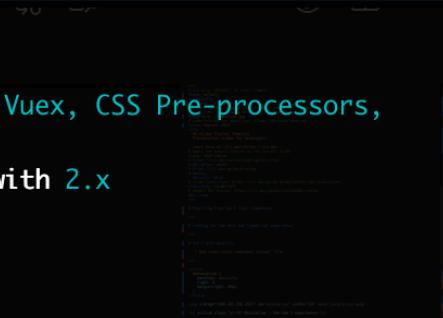
Back to 1955 2019



Creating a Vue 2 app with `@vue/cli`

Vue CLI v5.0.8

- ? Please pick a preset: Manually select features
- ? Check the features needed for your project: Babel, TS, Router, Vuex, CSS Pre-processors, Linter, Unit, E2E
- ? Choose a version of Vue.js that you want to start the project with 2.x
- ? Use class-style component syntax? (Y/n)



Vue 2: Options API <> Class Components



```
// Vue 2 Options API
<script>
export default {
  methods: {
    emitSomething () {
      this.$emit('something')
    }
  },
</script>
```

```
// Vue 2 Class Components
<script lang="ts">
import { Component, Vue, Emit } from 'vue-property-decorator'

@Component
export default class Example extends Vue {
  @Emit('something')
  emitSomething () {
    return true
  }
</script>
```

Rockin' with Vue 2 Class Components

~~Waiting for Vue 3~~ No class component support in Vue 3



...heated debates abound...

Medium article with more history:
[Vue 2 to Vue 3 with Class Components](#)

So...now what?

vue-facing-decorator

Migration steps

- `npm i vue-facing-decorator`
- Find and replace `'vue-property-decorator'` with `'vue-facing-decorator'`
- Move class properties initialized using `this` to `mounted`
- `$emit` calls to `@Emit` methods
- `@Component({ beforeRouteUpdate() })` to `@Component({ options: { beforeRouteUpdate() } })`
- Optionally wrap default exports with `toNative()`
- (And all the other normal Vue 3 migration steps...)



Other notes

- Supports legacy experimental TS decorators and stage 3 proposal decorators (via `toNative`)
- Upcoming beta release to ship CommonJS and ES module versions of the package

Back
to
the
Future

Vue 3: Composition API <> Class Components



```
// Vue 3 Class Components
<script lang="ts">
import { Component, Vue, Emit } from 'vue-facing-decorator'

@Component
export default class Example extends Vue {
  @Emit('something')
  emitSomething () {
    return true
  }
}
</script>
```

```
// Vue 3 Composition API + script setup
<script setup lang="ts">
const emit = defineEmits<{
  something: []
}>()
</script>
```

Recap

- If you're using class components, let me know!
- vue-facing-decorator can help get more apps to Vue 3
- The future for Vue + TypeScript is bright





Thank you!

ROBBY@POCKETPREP.COM

X/FORMERLY TWITTER: @HELMS_ROB