Vue.js

Introduction to Vue.js

* Definition
* Founder
* History
* Installation (+demo)

How does vue.js compile?

* compileToFunction
* registerRuntimeCompiler
* renderFunction

Look Into effect.ts File

How does Vue track changes?

* Vue can always notify the update and re-render the component immediately.
* How does these realized?
* Uses an effect function to track the currently running function.
* The side effect is a function wrapper that starts tracking before the function is called, and Vue can accurately find these collected side-effect functions when it dispatches an update, and execute it again when the data is updated.

The realization of effect

* effect()
* ReactiveEffect()

Collect dependencies

* track()
* trackEffects()

Distribute and updates

* trigger()
* triggerEffects()

What is hoistStatic?

How does hoistStatic improve performace?

* example without hoistStatic
* example with hoistStatic

How does Vue achieve hoistStatic?

* transform function
* hoistStatic function
* walk function

Vue 2:

* how the reactive is organized
* Get() & Set()

Vue 3:

* Defects about vue 2
* The update

reactive API:

* Code analysis

createReactiveObject:

* Code analysis