Reactivity in Depth
Vue.js 2

Reactive ?

## Imperative

$$
a:=b+c
$$

## Imperative

$$
\begin{gathered}
b, c:=1,2 \\
a:=b+c \\
b:=10 \\
a==?
\end{gathered}
$$

Reactive ?

# Reactive Programming 

## Data Flow

$$
+
$$

Propagation of Change

Propagation of Change in

JavaScript

## Change Detection

Angular 1

## \{\{ vm.count \}\}

<button ng-click="vm.add()">Add</button>

```
function MyController ($scope) {
    const vm = this
    vm.count = 0
    vm.add = function () {
        vm.count++
    }
}
```


## Angular 2

## Angular 2

## Zone.js from Dart

## Angular 1

## Angular 2

\$timeout (() => \{ \}, 1000) setTimeout(() => \{ \}, 1000)
setTimeout(() )=> \{
\$scope.\$apply(() => \{ \})
\}, 1000)

## Vue.js

function reactiveSetter (property, value) \{
this. $\$$ data[property] = value
console.log( $\$$ \$property\} change to $\$\{v a l u e\}$ )
\}
function reactiveGetter (property) \{
console.log('get \$\{property\})
return this.\$data[property]
\}


## Vue.js

## Computed

Vue.js

Reactive Filter
Vue.js

## State Management

 usingReactive Object

## Welcome to

## Reactive Programming

