

Vue Ecosystem Updates

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Vue Contributor Day
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3.2 released in Aug

3.2

<script setup> out of experimental!

3.2

<style> v-bind out of experimental!

3.2

`defineCustomElement()`

3.2

Reactivity performance++

3.2

effectScope API

3.2

ESM build + improved streaming API
for [@vue/server-renderer](#)

3.2

v-memo for advanced
performance optimization

New RFCs

Ref Transform

[vuejs/rfcs/discussions/369](https://vuejs.org/rfcs/discussions/369)

Ref Transform

```
<script setup>
let count = $ref(0)

function increment() {
  count++
}
</script>

<template>
  <button @click="increment">{{ count }}</button>
</template>
```

Ref Transform

```
let count = $ref(0)

function increment() {
  count++
}
```



```
let count = ref(0)

function increment() {
  count.value++
}
```

Ref Transform

Two base macros:

- **\$** - converts **refs** => **reactive variables**
- **\$\$** - converts **reactive variables** => **refs**

Shorthands:

- **\$(ref(...))** => **\$ref(...)**
- **\$(computed(...))** => **\$computed(...)**

Ref Transform

Both \$ and \$\$ can be used on object of refs

Usage in composables

```
export function useMouse() {  
  let x = $ref(0)  
  let y = $ref(0)  
  
  const update = (e) => {  
    x = e.pageX  
    y = e.pageY  
  }  
  
  // ...setup listeners  
  
  // return object of refs  
  return $$({ x, y })  
}
```

Consuming composables

```
<script setup>  
import { useMouse } from './useMouse'  
  
let { x, y } = $(useMouse())  
  
console.log(x, y)  
</script>
```

Props Destructure Transform

[vuejs/rfcs/discussions/394](https://github.com/vuejs/rfcs/discussions/394)

[vuejs/vue-next/pull/4690](https://github.com/vuejs/vue-next/pull/4690)

Props Destructure Transform

```
interface Props {  
  foo: string  
  bar?: number  
  baz?: number  
}  
  
const {  
  foo,  
  bar = 123,           // default value  
  baz: qux = 234,     // aliasing + default value  
  ...rest              // rest spread also supported  
} = defineProps<Props>()  
  
watchEffect(() => {  
  console.log(foo) // will log every time foo changes  
})
```

New Documentation (WIP)

<https://github.com/vuejs/docs/tree/next>

Staging deployment

New Default Recommendations (Tentative)

- vue-cli => create-vue
- Vetur => Volar
- State Management: consolidate
Vuex-next / Pinia / core

2 -> 3 default version switch
When new docs are ready

3.3

SSR focused

- Async component hydration strategies
- Other hydration / payload improvements
- Suspense finalization

Thank you!