# 本拼目标

- · 虚拟DOM
- · Patch算法

## 什么是虚拟DOM

```
Object
 anchor: null
▶ appContext: {config: {...}, mixins: Arr
 children: null
 component: null
 dirs: null
 dynamicChildren: null
 dynamicProps: null
 el: null
 key: null
 patchFlag: 0
 props: null
 ref: null
 conpatd null
```

## 为什么需要虚拟dom

- 性能
- 兼容性
- 跨平台
- 组件更新

#### 何时会用到虚拟dom

### 位建VNode

```
mount(rootContainer: HostElement, isHydrate?: boolean): any {
   if (!isMounted) {
      const vnode = createVNode(rootComponent as Component, rootProps)
      // store app context on the root VNode.
      // this will be set on the root instance on initial mount.
      vnode.appContext = context
```

#### 道学VNode

```
const render: RootRenderFunction = (vnode, container) => {
 if (vnode == null) {
   if (container._vnode) {
      unmount(container._vnode, null, null, true)
  } else {
    patch(container._vnode | | null, vnode, container)
  flushPostFlushCbs()
  container._vnode = vnode
```

#### 道类VNode

```
const mountComponent: MountComponentFn = (
  initialVNode,
  container,
  anchor,
  parentComponent,
  parentSuspense,
  isSVG,
  optimized
) => {
```

```
setupRenderEffect(
  instance,
  initialVNode,
  container,
  anchor,
  parentSuspense,
  isSVG,
  optimized
)
```