

网址<https://vuejs.org/>

---

## 安装

---

npm install -g @Vue/cli

## 查看安装成功

---

vue --version

## 创建

---

指令：vue create vue-demo

空格选这些

```
Vue CLI v5.0.8
? Please pick a preset: Manually select features
? Check the features needed for your project: (Press <space> to select, <a> to toggle all, <i> to invert selection, and <enter> to proceed)
  (*) Babel
  ( ) TypeScript
  > (*) Progressive Web App (PWA) Support
  ( ) Router
  ( ) Vuex
  ( ) CSS Pre-processors
  ( ) Linter / Formatter
  ( ) Unit Testing
  ( ) E2E Testing
```

然后选vue3

## 进入项目和运行

---

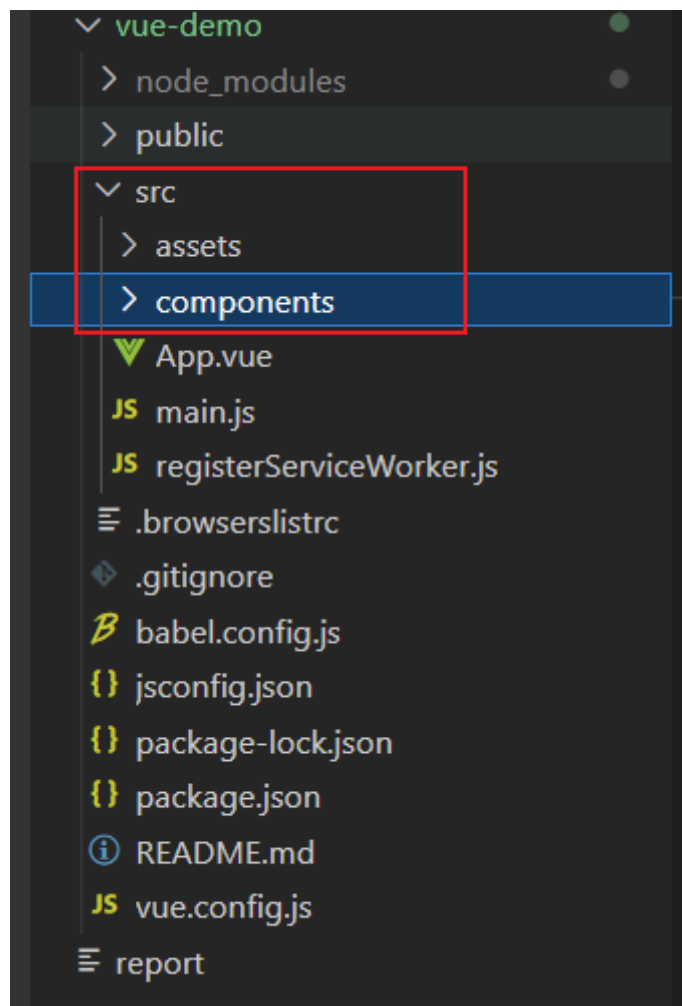
cd vue-demo

npm run serve

## 项目结构

---

src是重点，assets是静态资源，components是组件。其他是配置文件



## 高亮插件

---

vetur: vue2

volar: vue3

## App.vue

---

template是写html的

script是写js的

## 总结

---

vue就是实现动态渲染

## {{}}

---

双大括号会解释成普通文本，而不是html

动态显示数据，data()是函数

## 也支持js表达式,注意是表达式

---

{{ message + 10 }}

{{ ok? 'yes': 'no' }}

```
demo > src > App.vue > {} script > default > data > message

<template>
  <div class="hello">
    <h3>模板学习</h3>
    <p>{{ message }}</p>
  </div>
</template>

<script>
export default (await import('vue')).defineComponent({
  name: 'helloworld',
  data(){
    return{
      message: "测试"
    }
  }
})
</script>
```

## v-html

识别html文本

```
demo > src > App.vue > {} template > div.hello > div

1 <template>
2   <div class="hello">
3     <h3>模板学习</h3>
4     <p>{{ message }}</p>
5     <div>{{ a }}</div>
6     <div v-html="a"></div>
7   </div>
8 </template>
9
10 <script>
11 export default (await import('vue')).defineComponent({
12   name: 'helloworld',
13   data(){
14     return{
15       message: "测试",
16       a: "<a href='https://www.baidu.com/'>百战</a>"
17     }
18   }
19 })
20 </script>
```

## v-bind

v-bind可简写成:

也就是v-bind:id写成:id

属性动态变化, 这里例如id

```

demo / src / App.vue / {} template / div.hello / div
<template>
  <div class="hello">
    <h3>模板学习</h3>
    <p>{{ message }}</p>
    <div>{{a }}</div>
    <div v-html="a"></div>
    <div v-bind:id="c">zyj</div>
  </div>
</template>

<script>
export default (await import('vue')).defineComponent({
  name: 'helloworld',
  data(){
    return{
      message: "测试",
      a: "a href='https://www.baidu.com/'>百战</a>",
      c:1001
    }
  }
})

```

## v-if和v-else

只有当是true才会渲染

```

demo / src / App.vue / {} template / div.hello / p
<template>
  <div class="hello">
    <p v-if="flag">我是庄涓津</p>
    <p v-else></p>
  </div>
</template>

<script>
export default (await import('vue')).defineComponent({
  name: 'helloworld',
  data(){
    return{
      flag:true
    }
  }
})
</script>

```

## v-show

还有

，他是单独的，不是if-else

## if和show的区别

if是真正的条件渲染，添加代码或者删除代码。切换开销高。

而show是根据css显示和不显示。 频繁使用则用show。

## v-for

v-for="item in items"，数组items跟单个数item遍历

如果你修改newList下标i的数据，渲染是直接渲染下标i，不是重头遍历

为了给Vue提示追踪节点身份，需要用到唯一的key，可以提高性能。

- {{ i.title }}

```
vue-demo > src > App.vue > {} template > div.hello > ul > li
1  <template>
2    <div class="hello">
3      <h3>列表渲染</h3>
4      <ul>
5        <li v-for="i in newList">{{ i.title }}</li>
6      </ul>
7    </div>
8  </template>
9
10 <script>
11 export default (await import('vue')).defineComponent({
12   name: 'helloworld',
13   data(){
14     return{
15       newList:[
16         {
17           id:1,
18           title:"1"
19         },
20         {
21           id:2,
22           title:"2"
23         }
24       ]
25     }
26   }
27 })
28 </script>
```

## v-on

可缩写成@符号：<button @click="counter +=1">点击:counter{{ counter }}</button>

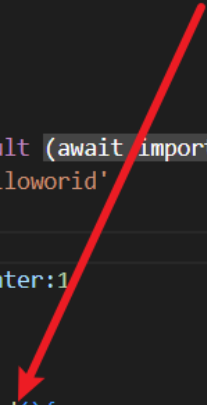
监听事件

```
vue-demo > src > App.vue > {} template > div.hello > button
1  <template>
2    <div class="hello">
3      <button v-on:click="counter +=1">点击:counter{{ counter }}</button>
4    </div>
5  </template>
6
7  <script>
8  export default (await import('vue')).defineComponent({
9    name: 'helloworld',
10    data(){
11      return{
12        counter:1
13      }
14    }
15  })
16 </script>
```

## 事件也可以触发方法

```
mo > src > App.vue > script > default > data
✓ <template>
✓   <div class="hello">
      <button @click="counter +=1">点击:counter{{ counter }}</button>
      <button @click="clickhand">点击:counter{{ counter }}</button>
    </div>
  </template>

✓ <script>
✓ export default (await import('vue')).defineComponent({
  name: 'helloworld'
  data(){
  return{
    counter:1
  },
  methods:{
    clickhand(){
      console.log("哈哈哈")
    }
  }
})
</script>
```

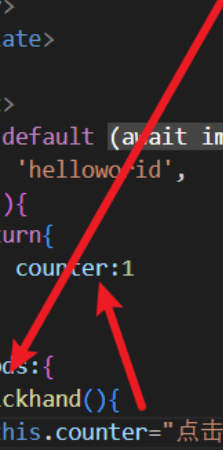


## methods中读取data中属性

在事件中读取data的值需要this

```
✓ <template>
✓   <div class="hello">
      <button @click="counter +=1">点击:counter{{ counter }}</button>
      <button @click="clickhand">点击:counter{{ counter }}</button>
    </div>
  </template>

✓ <script>
✓ export default (await import('vue')).defineComponent({
  name: 'helloworld',
  data(){
    return{
      counter:1
    },
  methods:{
    clickhand(){
      this.counter="点击了"
    }
  }
})
</script>
```



## event

```

<script>
export default (await import('vue')).defineComponent({
  name: 'helloworld',
  data(){
    return{
      counter:1
    }
  },
  methods:{
    //事件中的event是原生DOM event，会自动传入一个对象
    clickhand(event){
      event.target.innerHTML = "666"
    }
  }
})
</script>

```

## 事件传递参数

```

1 <template>
2   <div class="hello">
3     <button @click="say('hi')">hi</button>
4     <button @click="say('what')">what</button>
5   </div>
6 </template>
7
8 <script>
9 export default (await import('vue')).defineComponent({
10   name: 'helloworld',
11   data(){
12     return{
13       counter:1
14     }
15   },
16   methods:{
17     say(data)
18     {
19       console.log(data)
20     }
21   }
22 })
23 </script>

```

## v-model

双向数据绑定，输入就获取到

```
<input type="text" v-model="username">
<p>{{ username }}</p>
```

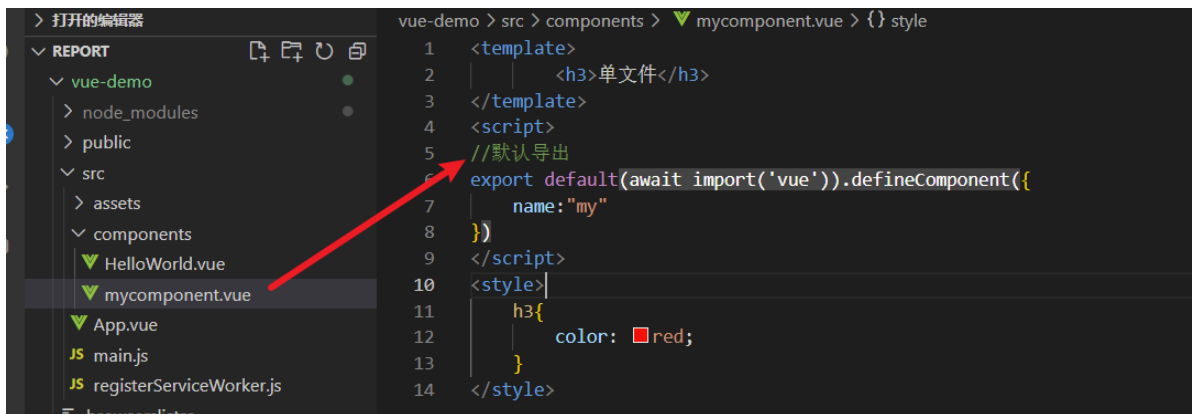
## 修饰符lazy

只有当回车，失去焦点才显示

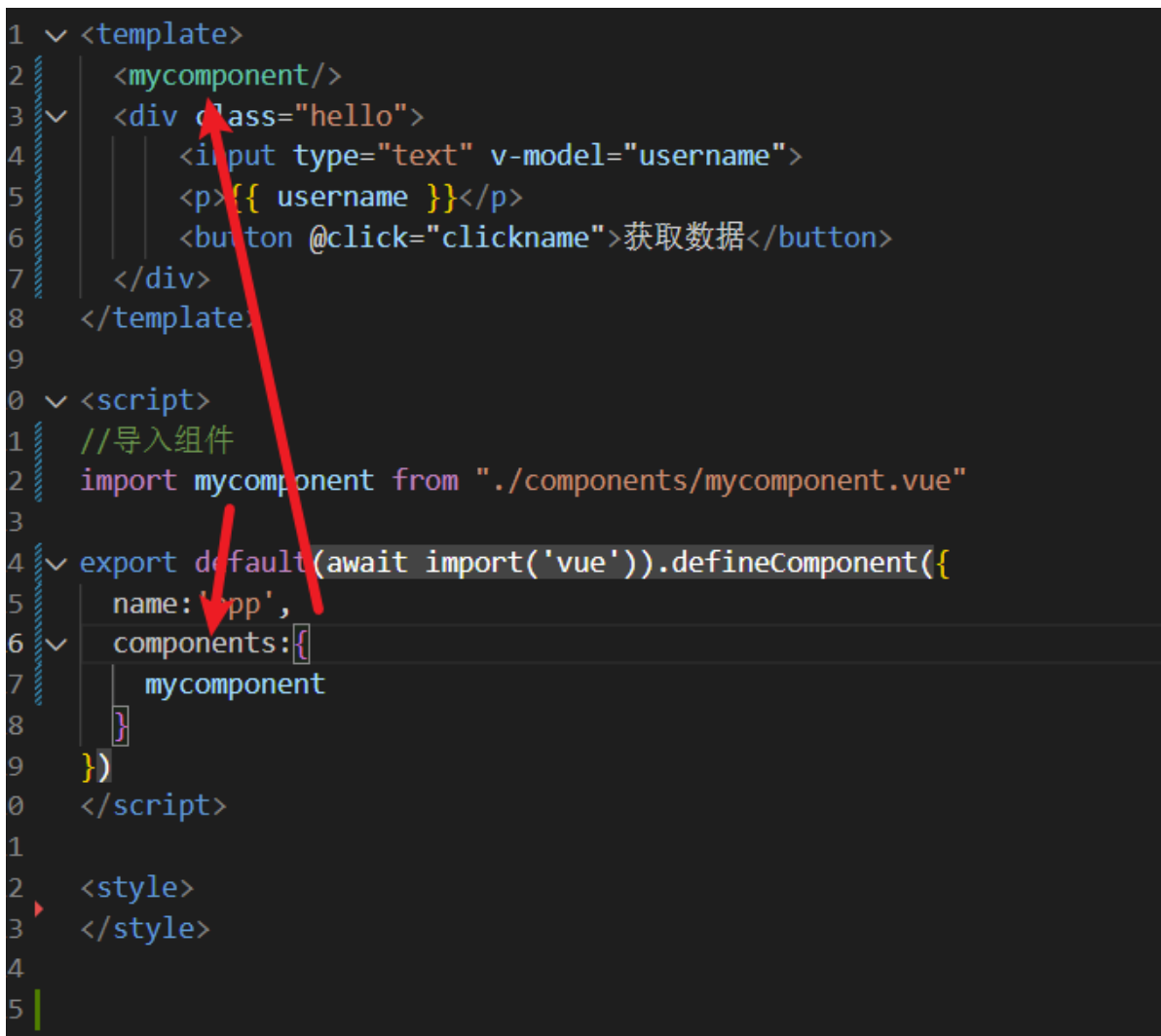
## 修饰符trim

去掉空格

## 组件开发



App.vue是根组件





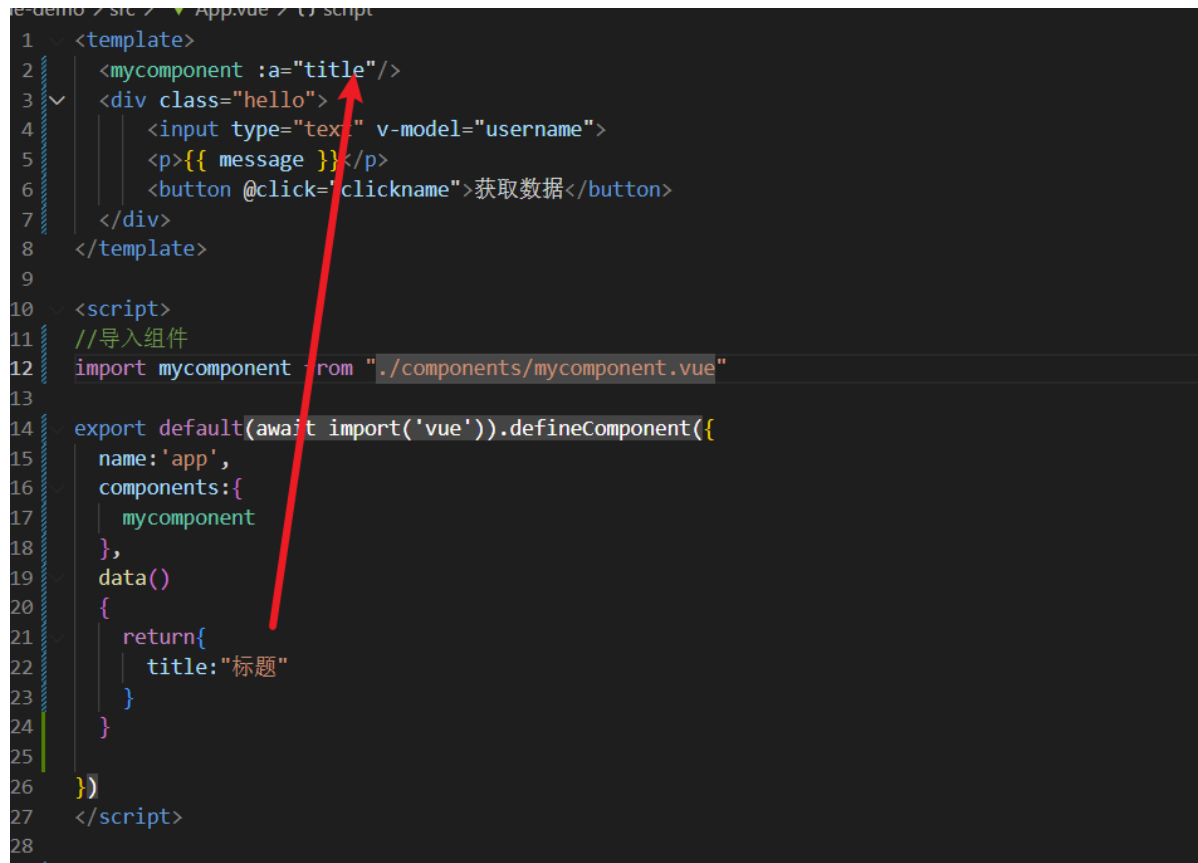
## scope

如果加了scoped就只在当前组件中生效

```
<style scoped>
</style>
```

## 组件交互

将App.vue中title传给组件mycomponent的a



```
1 <template>
2   <mycomponent :a="title"/>
3   <div class="hello">
4     <input type="text" v-model="username">
5     <p>{{ message }}</p>
6     <button @click="clickname">获取数据</button>
7   </div>
8 </template>
9
10 <script>
11 //导入组件
12 import mycomponent from "../components/mycomponent.vue"
13
14 export default(await import('vue')).defineComponent({
15   name: 'app',
16   components: {
17     mycomponent
18   },
19   data()
20   {
21     return{
22       title: "标题"
23     }
24   }
25 })
26 </script>
27
28
```

## props父组件传递到子组件

接着mycomponent通过props获取a

```
report App.vue mycomponent.vue X
vue-demo > src > components > mycomponent.vue > {} script > [x] default > [x] props > [x] a
1 <template>
2   <h3>单文件{{ a }}</h3>
3 </template>
4 <script>
5   //默认导出
6   export default(await import('vue')).defineComponent({
7     name:"my",
8     props:{
9       a:{
10         type:String,
11         //默认值
12         default:"default"
13       }
14     }
15   })
16 </script>
17 <style>
18   h3{
19     color: red;
20   }
21 </style>
```

## 数组

```
props:{
  a:{
    type:String,
    //默认值
    default:"default"
  },
  b:{
    type:Array,
    //数组和对象必须使用函数进行返回
    default:function()
    {
      return []
    }
  }
}
```

## 子组件数据传递给父组件

子组件创建send事件，send事件自定义事件获取值，父组件通过自定义事件拿到值

```
mycomponent.vue X App.vue
vue-demo > src > components > mycomponent.vue > {} script > default > methods
1 <template>
2   <h3>单文件</h3>
3   <button @click="send">儿子点击传递</button>
4 </template>
5 <script>
6 //默认导出
7 export default(await import('vue')).defineComponent({
8   name:"my",
9   data()
10  {
11    return{
12      son:"我是儿子传给爸爸"
13    }
14  },
15  methods:{
16    //儿子发送给爸爸的数据
17    send()
18    {
19      //自定义事件获取son值
20      this.$emit("onEvent",this.son)
21    }
22  }
23 })
24 </script>
25 <style>
```

```
<template>
  <mycomponent @onEvent="gethand" />
  <div class="hello">

  </div>
</template>

<script>
//导入组件
import mycomponent from "../components/mycomponent.vue"

export default(await import('vue')).defineComponent({
  name:'app',
  components:{
    mycomponent
  },
  methods:{
    gethand(data)
    {
      console.log(data)
    }
  }
})
</script>
```

# vue的生命周期

---

为了方便记忆，我们可以将他们分类：

前，后

创建时: beforeCreate 、 created

渲染时: beforeMount 、 mounted （例如渲染后mounted就发送网络请求）

更新时: beforeUpdate updated

卸载时: beforeUnmount 、 unmounted （卸载后停掉定时器之类的东西 ）

例如生命周期函数

```
<script>
//导入组件
import mycomponent from "../components/mycomponent.vue"

export default(await import('vue')).defineComponent({
  name: 'app',
  components:{
    mycomponent
  },
  methods:{
    gethand(data)
    {
      console.log(data)
    }
  },
  beforeCreate()
  {
  }
})
```

## vue安装第三方

---

npm install --save swiper@8.1.6

```
<script>
//引入第三方
import {Swiper, SwiperSlide} from 'swiper/vue';
import 'swiper/css';
export default(await import('vue')).defineComponent({
  name:'app',
  components:{
    Swiper,SwiperSlide
  }
})
</script>

<style scoped>
</style>
```

## axios

---

### 安装

---

npm install --save axios

### 组件引用

---

//引入第三方

import axios from "axios"

### 渲染完后使用

---

#### get

---

```
mounted()
{
  axios({
    method:"get",
    url:"https://lenovo.ilive.cn/?f=stee"
  }).then(res =>{
    console.log(res.data);
  })
}
```

#### post

---

## 要注意转换

npm install --save querystring

import querystring from "querystring"

因为是对象类型，不是string类型，所以需要转换

```
axios({
  method: "post",
  url: "http://iwenwiki.com/api/blueberrypai/login.php",
  data: querystring.stringify({
    user_id: "iwen@qq.com",
    password: "iwen123",
    verification_code: "crfvw"
  })
}).then(res => {
  console.log(res.data)
})
```

## 快捷

```
axios.get("http://iwenwiki.com/api/blueberrypai/getChengpinDetails.php").then(res => {
  console.log(res.data)
})
```

```
axios.post("http://iwenwiki.com/api/blueberrypai/login.php", querystring.stringify({
  user_id: "iwen@qq.com",
  password: "iwen123",
  verification_code: "crfvw" })).then(res => {
  console.log(res.data)
})
```

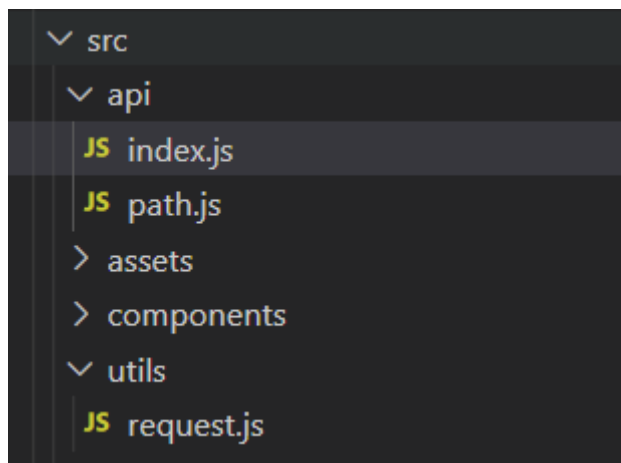
## 全局引用，注意\$axios

在main.js中引入后挂载

```
report App.vue JS main.js X
vue-demo > src > JS main.js > ...
1 import { createApp } from 'vue'
2 import App from './App.vue'
3 import './registerServiceWorker'
4
5 import axios from "axios"
6 const app= createApp(App)
7 app.config.globalProperties.$axios = axios
8 app.mount('#app')
9

this.$axios.get("http://iwenwiki.com/api/blueberrypai/getChengpinDetails.php").then(res =>{
  console.log(res.data)
})
this.$axios.post("http://iwenwiki.com/api/blueberrypai/login.php",querystring.stringify({
  user_id:"iwen@qq.com",
  password:"iwen123",
  verification_code:"crfvw"})).then(res =>{
  console.log(res.data)
})
```

## 网络请求封装



### 创建request.js封装请求

```
import axios from "axios";
import querystring from "querystring"

const instance = axios.create({
  //网络请求的公共配置
  timeout:5000
})
const errorHandle =(status,info) =>{
  switch(status){
    case 400:
      console.log("语义有误");
      break;
    case 401:
```

```

        console.log("服务器认证失败");
        break;
        case 403:
        console.log("服务器拒绝访问");
        break;
        case 404:
        console.log("地址错误");
        break;
        case 500:
        console.log("服务器遇到意外");
        break;
        case 502:
        console.log("服务器无响应");
        break;
        default:
        26
        console.log(info);
        break;
    }
}
//拦截器最常用

//发送数据之前
instance.interceptors.request.use(
    config =>{
        //post要string
        if(config.method == "post"){
            config.data = querystring.stringify(config.data)
        }
        //config包含网络请求的所有信息
        return config;
    },
    error =>{
        return Promise.reject(error)
    }
)
instance.interceptors.response.use(
    response =>{
        return response.status == 200? Promise.resolve(response)
        :Promise.reject(response)
    },
    error =>{
        const {response} = error;
        errorHandler(response.status,response.info)
    }
)

//导出
export default instance;

```

## 创建path.js封装路径



```
const base = {
  baseUrl:"http:wenwiki.com/",
  chengpin:"/api/blueberrypai/getChengpinDetails.php"
}
//导出
export default base;
```

## 创建index.js写好请求

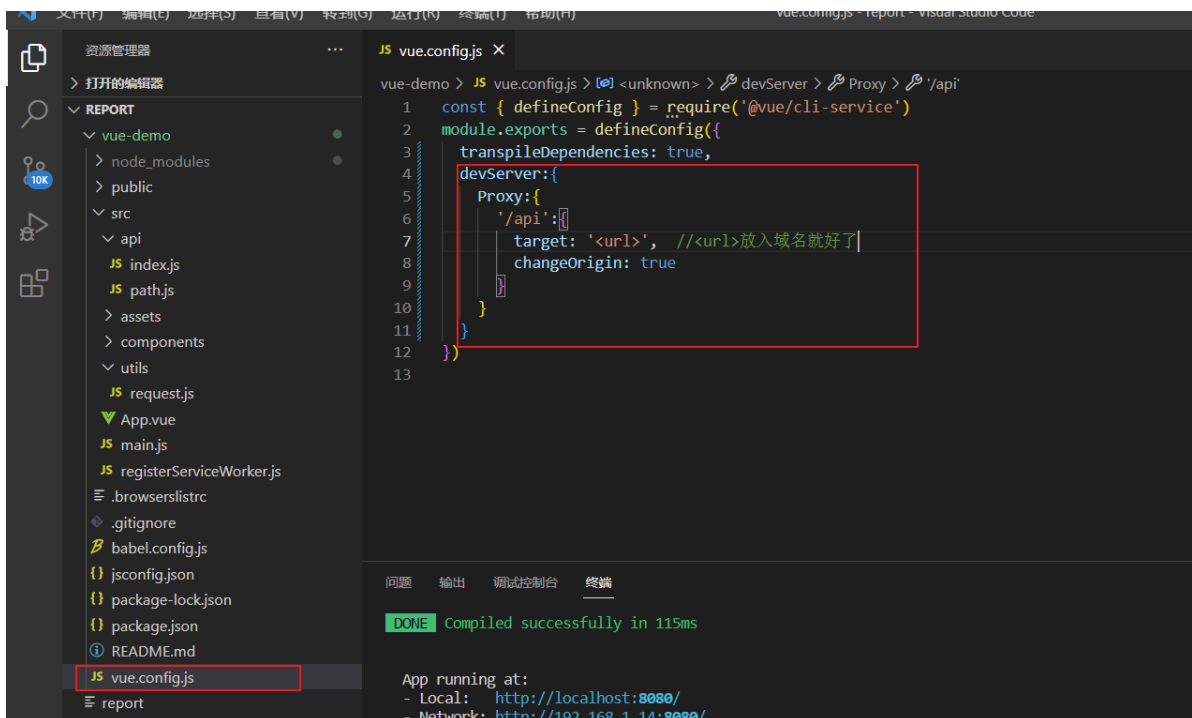
```
import axios from "../utils/request"
import path from "../path"

const api = {
  getChengpin() {
    return axios.get(path.baseUrl+path.chengpin)
  }
}
export default api
```

## App.vue

```
import api from "../src/api/index"
mounted() {
  api.getChengpin().then(res => {
    console.log(res.data);
  })
}
```

## 跨域问题



注意url不用写那么长了

```
axios.get("/api/FingerUnion/list.php").then(res =>{
  console.console.log(res.data);
})
```

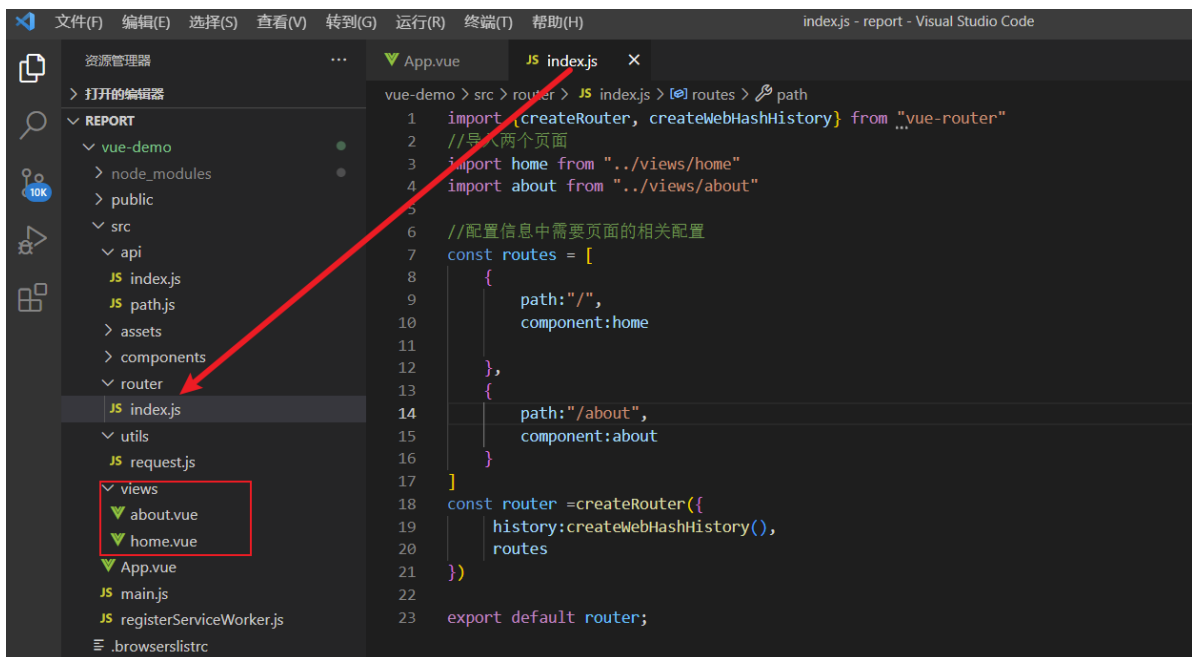
重启服务器

## 路由配置

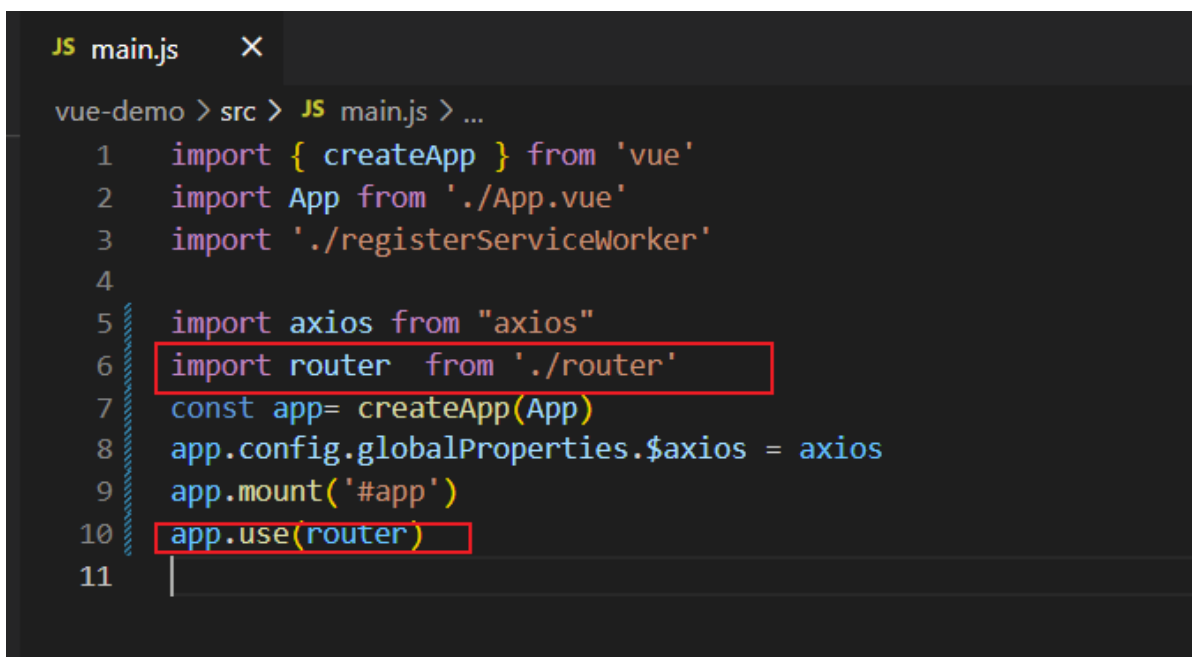
### 安装路由

npm install --save vue-router

### 创建vue然后写路由



### main.js引入

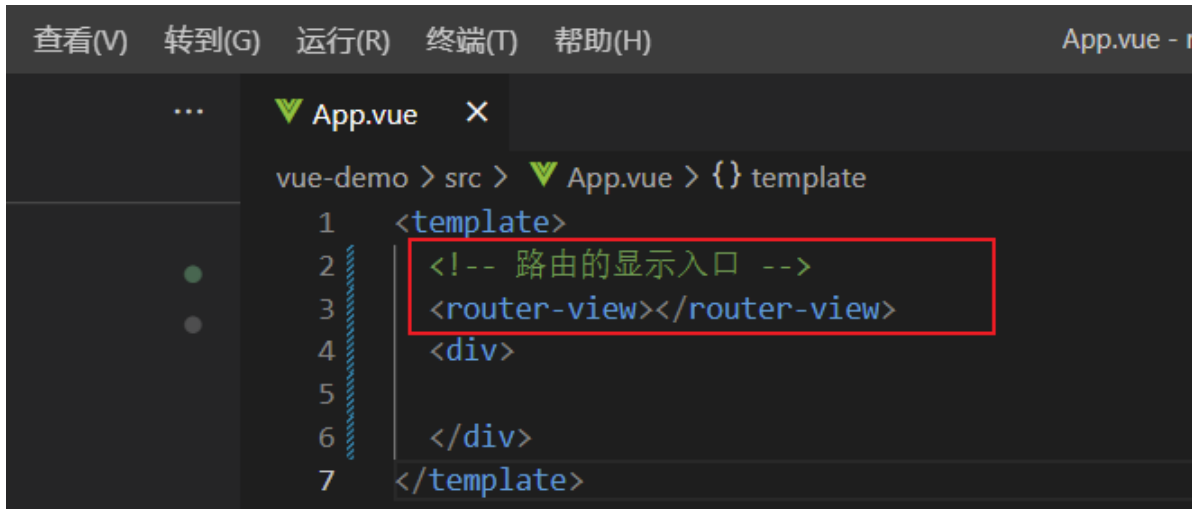


或者

```
import router from './router'

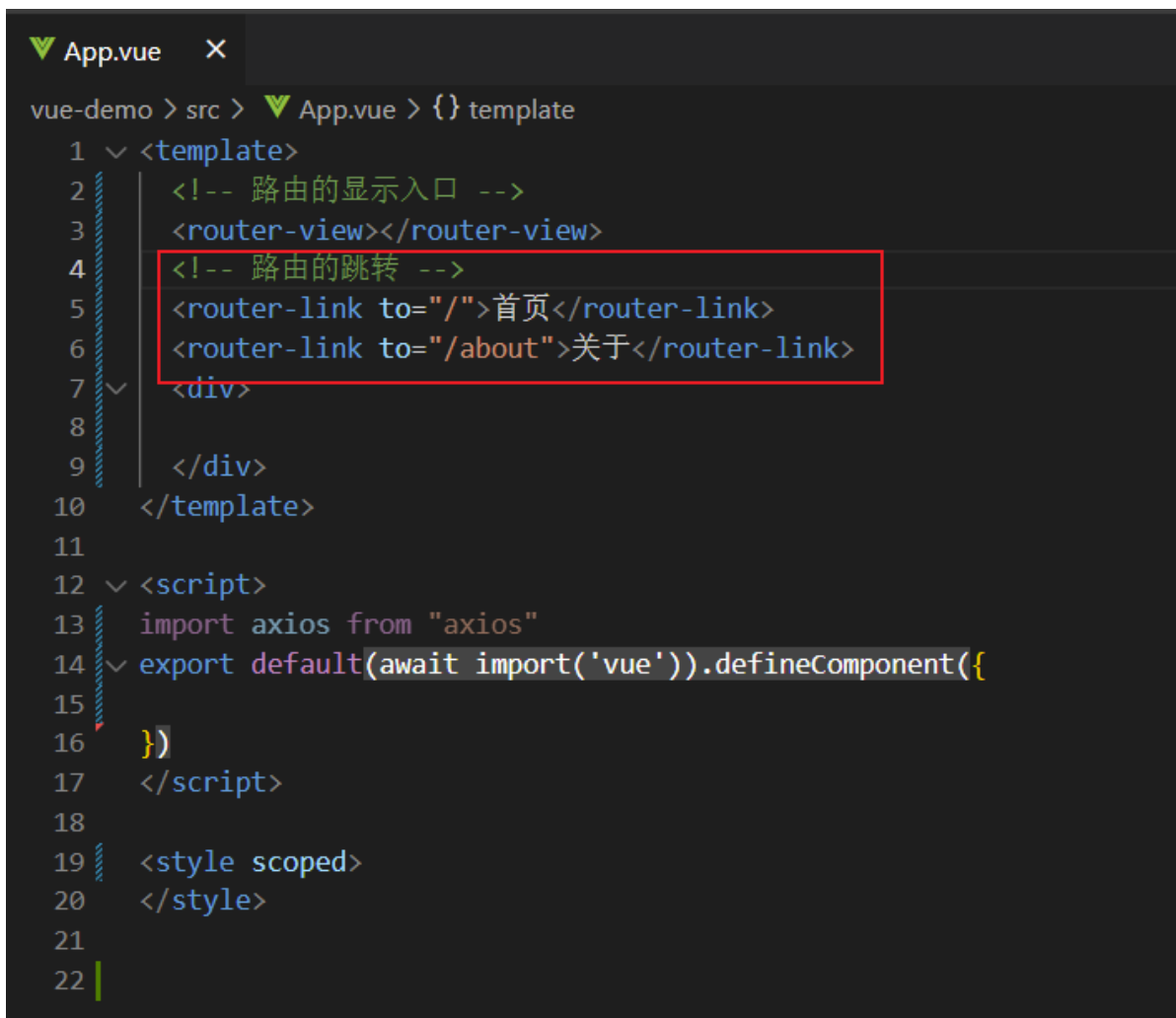
createApp(App).use(router).mount('#app')
```

## App.Vue显示



```
App.vue - r
查看(V) 转到(G) 运行(R) 终端(T) 帮助(H)
vue-demo > src > App.vue > {} template
1 <template>
2 <!-- 路由的显示入口 -->
3 <router-view></router-view>
4 <div>
5
6 </div>
7 </template>
```

## 跳转



```
App.vue X
vue-demo > src > App.vue > {} template
1 <template>
2 <!-- 路由的显示入口 -->
3 <router-view></router-view>
4 <!-- 路由的跳转 -->
5 <router-link to="/">首页</router-link>
6 <router-link to="/about">关于</router-link>
7 <div>
8
9 </div>
10 </template>
11
12 <script>
13 import axios from "axios"
14 export default(await import('vue')).defineComponent({
15
16 })
17 </script>
18
19 <style scoped>
20 </style>
21
22
```

## 路由传递参数

### 异步加载

```
{
  path: "/new/:name",
  component: () => import("../views/new.vue")
}
```

## 路径设参

---

```
{
  path: "/new/:name",
  component: () => { "../views/new.vue" }
}
```

## 传参

---

```
App.vue
vue-demo > src > App.vue > {} template > div
1 <template>
2   <!-- 路由的显示入口 -->
3   <router-view></router-view>
4   <!-- 路由的跳转 -->
5   <router-link to="/">首页</router-link>
6   <router-link to="/about">关于</router-link>
7   <router-link to="/new/参数">新来的</router-link>
8   <div>
9
```

## 渲染

---

```
new.vue
vue-demo > src > views > new.vue > {} template > p
1 <template>
2   <h3>new</h3>
3   <p>{{ $route.params.name }}</p>
4 </template>
```

## 嵌套路由

---

```

{
  path: "/new/:name",
  component: () => import("../views/new.vue"),
  children: [
    {
      //二级导航不要加/
      path: "children",
      component: () => import("../views/children.vue")
    }
  ]
}

```

```

e-demo > src > views > new.vue > {} template > router-link
1  <template>
2    <h3>new</h3>
3    <!-- 路由的显示入口 -->
4    <router-view></router-view>
5    <router-link to="/new/children">children</router-link>
6    <p>{{ $route.params.name }}</p>
7  </template>

```

## 默认重定向

```

{
  path: "/new/:name",
  component: () => import("../views/new.vue"),
  //默认重定向
  redirect: "/new/children",
  children: [
    {
      //二级导航不要加/
      path: "children",
      component: () => import("../views/children.vue")
    }
  ]
}

```

## vue状态管理

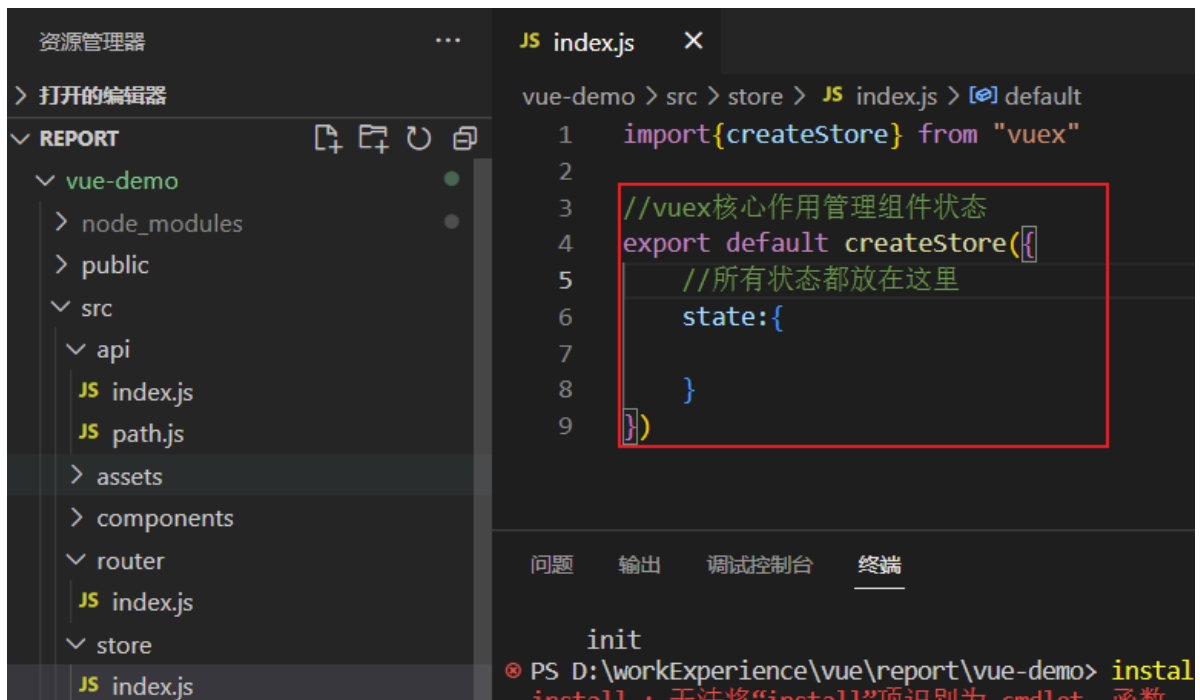
组件之间传递，关系太过于复杂。

所以加一层，提供一个集中的管理方案，也就是中介。

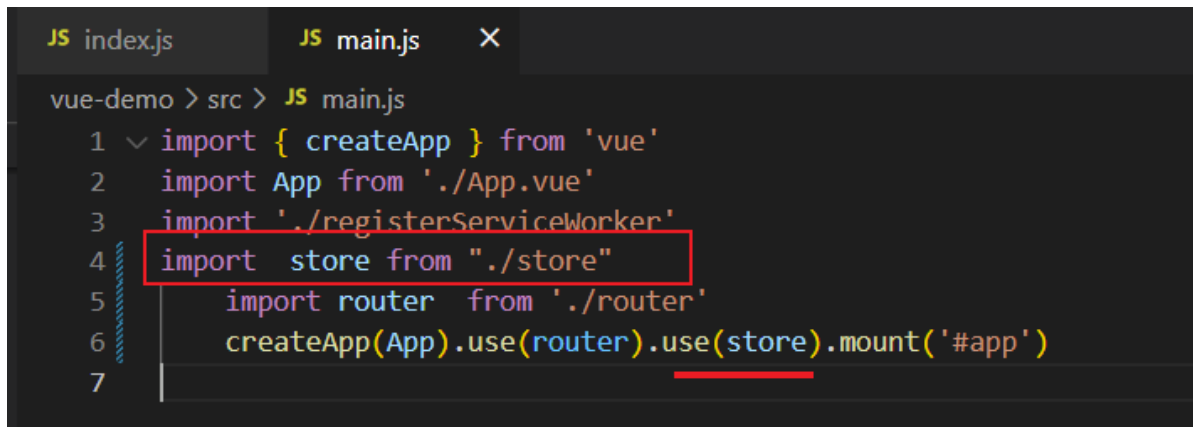
## 下载

npm install vuex --save

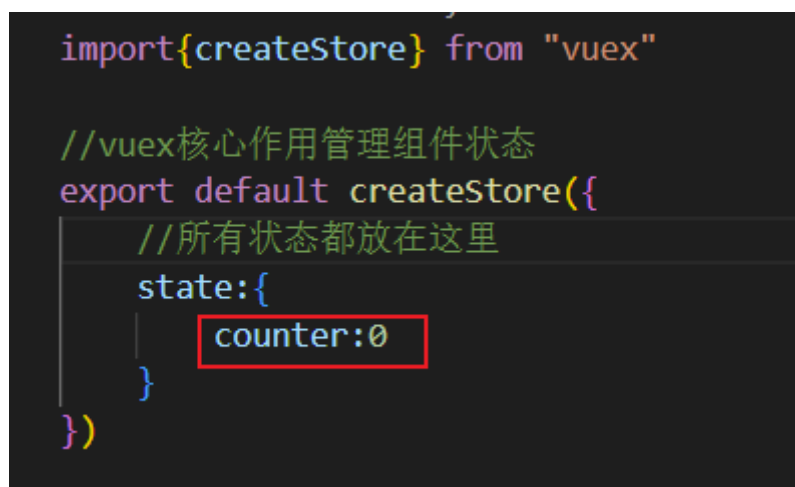
创建



## main.js引入



## 共享参数



```

vue-demo > src > ▼ App.vue > {} template > div > p
1   <template>
2   |   <!-- 路由的显示入口 -->
3   |   <router-view></router-view>
4   |   <!-- 路由的跳转 -->
5   |   <router-link to="/">首页</router-link>
6   |   <router-link to="/about">关于</router-link>
7   |   <router-link to="/new/参数">新来的</router-link>
8   |   <div>
9   |   |   <p>{{ $store.state.counter }}</p>
10  |   |   </div>
11  |   </template>
12
13  <script>
14  |   import axios from "axios"

```

或者另一种方式

```

▼ App.vue
vue-demo > src > ▼ App.vue > {} template > div > p
1   <template>
2   |   <div>
3   |   |   <p>{{ counter }}</p>
4   |   |   </div>
5   |   </template>
6
7   <script>
8   |   import {mapState} from "vuex"
9   |   export default(await import('vue')).defineComponent({
10  |   |   computed:{
11  |   |   |   ...mapState(["counter"])
12  |   |   |   }
13  |   |   })
14  |   </script>
15
16  <style scoped>
17  </style>
18
19

```

## 条件获取

## getters获取值

```
//vuex核心作用管理组件状态
export default createStore({
  //所有状态都放在这里
  state:{
    counter:0
  },
  getters:{
    getCount(state)
    {
      return state.counter>0? state.counter:"不符合要求"
    }
  }
})
```

App.vue X JS index.js

vue-demo > src > App.vue > {} template > div

```
1 <template>
2   <div>
3     <p>{{ $store.getters.getCount }}</p>
4   </div>
5 </template>
6
```

或者直接

JS index.js App.vue X

vue-demo > src > App.vue > {} script > default > computed > <unknown>

```
1 <template>
2   <div>
3     <p>{{getCounter}}</p>
4   </div>
5 </template>
6
7 <script>
8   import { mapGetters } from "vuex"
9   export default(await import('vue')).defineComponent({
10     computed:{
11       ...mapGetters(["getCounter"])
12     }
13   })
14 </script>
15
16 <style scoped>
17 </style>
18
19
```

mutations修改值



```

//vuex核心作用管理组件状态
export default createStore({
  //所有状态都放在这里
  state:{
    counter:0
  },
  getters:{
    getCounter(state)
    {
      return state.counter>0? state.counter:"不符合要求"
    }
  },
  mutations:{
    addCounter(state)
    {
      state.counter++
    }
  }
})

```

```

<template>
  <div>
    <p>{{getCounter }}</p>
    <button @click="addClick">增加</button>
  </div>
</template>

<script>
  import { mapGetters } from "vuex"
  export default(await import('vue')).defineComponent({
    computed:{
      ...mapGetters(["getCounter"])
    },
    methods:{
      addClick(){
        //固定调用方式
        this.$store.commit("addCounter")
      }
    }
  })
</script>

<style scoped>
</style>

```

可以传参

```
mutations:{
  addCounter(state,number)
  {
    state.counter+=number
  }
}
```

```
methods:{
  addClick(){
    //固定调用方式
    this.$store.commit("addCounter",15)
  }
}
```

或者直接

```
<script>
import { mapGetters, mapMutations } from "vuex"
export default (await import('vue')).defineComponent({
  computed: {
    ...mapGetters(["getCounter"])
  },
  methods: {
    ...mapMutations(["addCounter"]),
    addClick(){
      //固定调用方式
      this.addCounter(15)
    }
  }
})
</script>
```

## actions网络请求异步

注意import axios from "axios"

addCounter是方法

```
//为异步操作所准备的
actions:{
  asyncAddCounter({commit})
  {
    axios.get("http://iwenwiki.com/api/generator/list.php")
    .then(res =>{
      console.log(res.data)
      commit("addCounter",res.data[0])
    })
  }
}
```

```
methods:{
  ...mapMutations(["addCounter"]),
  addClick(){
    //固定调用方式
    this.addCounter(15)
  },
  addAsync(){
    this.$store.dispatch("asyncAddCounter")
  }
}
```

或者直接

```
<script>
import { mapGetters, mapMutations, mapActions } from "vuex"
export default(await import('vue')).defineComponent({
  computed:{
    ...mapGetters(["getCounter"])
  },
  methods:{
    ...mapMutations(["addCounter"]),
    ...mapActions(["asyncAddCounter"]),
    addClick(){
      //固定调用方式
      this.addCounter(15)
    },
    addAsync(){
      this.asyncAddCounter()
    }
  }
})
</script>
```

ref和react其实就是methods，data啥的写一起了

## 数据

```
demo > src > App.vue > {} script > default > setup > names
1 <template>
2   <div>
3     <p>{{ message }}</p>
4     <ul>
5       <li v-for="(item,index) in names.list" :key="index">{{ item }}</li>
6     </ul>
7   </div>
8 </template>
9
10 <script>
11 import { ref,reactive} from "vue"
12 export default(await import('vue')).defineComponent({
13   setup(){
14     const message = ref("消息")
15
16     //对象或者数组
17     const names =reactive({ list:["a","b","c"]})
18     //需要return
19     return {
20       message,names
21     }
22   }
23 })
24 </script>
```

## 事件

注意要通过message.value修改消息

```
6   </ul>
7   <button @click="click">点击</button>
8 </div>
9 </template>
10
11 <script>
12 import { ref,reactive} from "vue"
13 export default(await import('vue')).defineComponent({
14   setup(){
15     const message = ref("消息")
16
17     //对象或者数组
18     const names =reactive({ list:["a","b","c"]})
19
20     //方法
21     function click(){
22       message.value ="我是新消息"
23     }
24     //需要return
25     return {
26       message,names,click
27     }
28   }
29 })
30 </script>
```

## props

忽略

## 生命周期函数

不需要return

```
<script>
import { ref, reactive, onMounted } from "vue"
export default (await import('vue')).defineComponent({

  setup(){
    const message = ref("消息")

    //可以有多个
    onMounted(()=>{
      message.value="生命周期1"
    })
    onMounted(()=>{
      message.value="生命周期2"
    })
    //需要return
    return {
      message
    }
  }
})
</script>
```

## 父组件给子组件传数据

忽略

## elementUI

## 网址

<https://element-plus.org/zh-CN/#/zh-CN>

## 安装/注意2和3有区别

```
npm install element-plus --save
```

## main.js引入

```
JS main.js M X
vue-demo > src > JS main.js
1 import { createApp } from 'vue'
2 import App from './App.vue'
3 import './registerServiceWorker'
4 // import store from './store'
5 // import router from './router'
6 import ElementPlus from 'element-plus'
7 import 'element-plus/dist/index.css'
8 createApp(App).use(ElementPlus).mount('#app')
9
```

## 使用



## 对应

```
demo > src > App.vue > script > default > setup > value2
<template>
  <div>
    <el-switch v-model="value1" />
    <el-switch
      v-model="value2"
      class="ml-2"
      style="--el-switch-on-color: #13ce66; --el-switch-off-color: #ff4949"
    />
  </div>
</template>

<script>
  import { ref } from 'vue'
  export default(await import('vue')).defineComponent({
    setup(){
      const value1 = ref(true)
      const value2 = ref(true)
      return{
        value1,value2
      }
    }
  })
</script>
```

# 按需导入插件

## 安装

npm install -D unplugin-vue-components unplugin-auto-import

## 修改配置文件vue.config.js

```
JS vue.config.js M X
vue-demo > JS vue.config.js > <unknown> > configureWebpack > plugins > resolvers
1  const { defineConfig } = require('@vue/cli-service')
2  const AutoImport = require('unplugin-auto-import/webpack')
3  const Components = require('unplugin-vue-components/webpack')
4  const { ElementPlusResolver } = require('unplugin-vue-components/resolvers')
5  module.exports = defineConfig({
6    transpileDependencies: true,
7    configureWebpack: {
8      plugins: [
9        AutoImport({
10         resolvers: [ElementPlusResolver()]
11       }),
12       Components({
13         resolvers: [ElementPlusResolver()]
14       })
15     ]
16   })
17
```

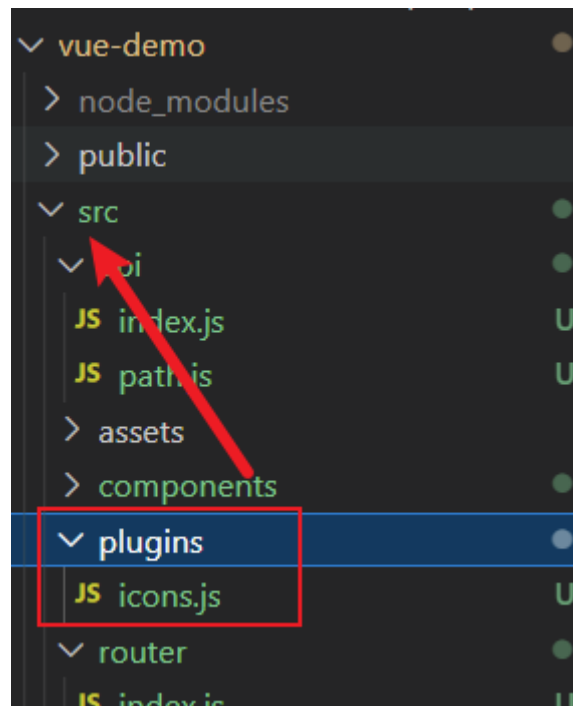
```
const { defineConfig } = require('@vue/cli-service')
const AutoImport = require('unplugin-auto-import/webpack')
const Components = require('unplugin-vue-components/webpack')
const { ElementPlusResolver } = require('unplugin-vue-components/resolvers')
module.exports = defineConfig({
  transpileDependencies: true,
  configureWebpack: {
    plugins: [
      AutoImport({
        resolvers: [ElementPlusResolver()]
      }),
      Components({
        resolvers: [ElementPlusResolver()]
      })
    ]
  }
})
```

然后直接用就好了，不需要main.js引入全局的

# 安装图标字体才能用图标

## 配置

npm install @element-plus/icons-vue



```
import * as components from "@element-plus/icons-vue";
export default {
  install: (app) => {
    for (const key in components) {
      const componentConfig = components[key];
      app.component(componentConfig.name, componentConfig);
    }
  },
};
```

```
JS icons.js U X
vue-demo > src > plugins > JS icons.js > [?] default
1  import * as components from "@element-plus/icons-vue";
2  export default {
3    install: (app) => {
4      for (const key in components) {
5        const componentConfig = components[key];
6        app.component(componentConfig.name, componentConfig);
7      }
8    },
9  },
10 };
```



Element+

赞助商

在线设计、实时开发交付  
免费使用

Vue2/3 可视化-低代码表单  
基于 Element

JNPF-快速开发平台  
在线开发一键生成功能表单  
立即体验

Basic 基础组件

- Button 按钮
- Border 边框
- Color 色彩
- Container 布局容器
- Icon 图标
- Layout 布局

System

+	-	⊕	🔍	♀	♂	🎯
Plus	Minus	CirclePlus	Search	Female	Male	Aim
🏠	🖥	⚙	🔗	🎧	👉	★
House	FullScreen	Loading	Link	Service	Pointer	Star
📧	🔗	💬	⚙	🕒	📍	🏷
Notification	Connection	ChatDotRound	Setting	Clock	Position	Discount
🚗	💬	💬	💬	💬	💬	👁
Odometer	ChatSquare	ChatRound	ChatLineRound	ChatLineSquare	ChatDotSquare	View
👁	👁	👁	👁	👁	👁	👁

Copy SVG content ☒ Copy icon code

已复制!

您可以点击图标复制代码。

```
<el-icon :size="20" color="red"><Plus /></el-icon>
```

## main.js引入

注意./plugins/icons是刚才配置的

```
JS main.js M X
vue-demo > src > JS main.js
1 import { createApp } from 'vue'
2 import App from './App.vue'
3 import './registerServiceWorker'
4 // import store from './store'
5 // import router from './router'
6
7 import elementIcon from './plugins/icons'
8 createApp(App).use(elementIcon).mount('#app')
9
```