



Vue I18n

Internationalization Plugin for Vue.js

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Installation

- with npm

```
npm install vue-i18n
```

- with vue-cli 3.x

```
vue add i18n
```

Add to Vue Instance

@/plugins/i18n.js

```
import Vue from 'vue'
import VueI18n from 'vue-i18n'
import en from '@/lang/en'
import tw from '@/lang/tw'

Vue.use(VueI18n)

const locale = 'tw'

const i18n = new VueI18n({
  locale,
  messages: { en, tw }
})

export default i18n
```

@/main.js

```
import i18n from './plugins/i18n'

const app = new Vue({
  ...
  i18n,
  ...
})
```

Create Locale String Files

```
@/lang/tw.js
```

```
export default {  
  __pikachu: '皮卡丘',  
  __jenniTurtle: '傑尼龜',  
  __miowaSeed: '妙娃種子'  
}
```

```
@/lang/en.js
```

```
export default {  
  __pikachu: 'Pika',  
  __jenniTurtle: 'Jenni',  
  __miowaSeed: 'Miowa'  
}
```

Basic Usage `$t(id)`

- In <template>

```
<div>
| <p> {{ $t('__pikachu') }} </p>
</div>
```

```
<b-form-input :placeholder="$t('__pikachu')"></b-form-input>
```

```
<div v-html="$t('__pikachu')"></div>
```

- In <script>

```
pokemon: this.$t('__pikachu')
```

- In any other .js

```
import i18n from '@/plugins/vue-i18n'
const pokemon = i18n.t('__pikachu')
```

Named Formatting `$t(id, parameters)`

```
@/lang/tw.js
```

```
export default {
  __greeting: 'Hi! {key}'
}
```

```
<template>
```

```
<p>{{ $t('__greeting', { key: user.name }) }}</p> // user.name === 'pikachu'
```

output:

```
Hi! pikachu
```

List Formatting `$t(id, parameters)`

```
@/lang/tw.js
```

```
export default {
  __greeting: 'Hi! {0}'
}
```

```
<template>
```

```
<p> {{ $t('__greeting', ['Pika']) }} </p>
```

output:

```
Hi! Pika
```

Pluralization `$tc(id, count, parameters)`

```
@/lang/tw.js
```

```
car: 'car | cars',  
apple: 'no apples | one apple | {count} apples'
```

```
<template>
```

```
<p>{{ $tc('car', 1) }}</p>  
<p>{{ $tc('car', 2) }}</p>  
  
<p>{{ $tc('apple', 0) }}</p>  
<p>{{ $tc('apple', 1) }}</p>  
<p>{{ $tc('apple', 10, { count: 10 }) }}</p>
```

output:

```
car  
cars  
  
no apples  
one apple  
10 apples
```

Component Interpolation

```
<i18n path="">
```

```
@/lang/tw.js
```

```
__dataUseNoticeDesc: 'By proceeding, you are agreeing to our {0} and {1}. The data...',  
__privacyPolicy: 'Privacy Policy',  
__termsOfService: 'Terms Of Service',  
<template>  
  
<i18n path="__dataUseNoticeDesc" tag="div" class="desc">  
  <a class="link--text" href="#">{{ \$t\('\_\_termsOfService'\) }}</a>  
  <a class="link--text" href="#">{{ \$t\('\_\_privacyPolicy'\) }}</a>  
</i18n> // <div class="desc">...</div>
```

output:

```
By proceeding, you are agreeing to our Terms Of Service and  
Privacy Policy. The data you provide with us will only be used  
for the following demo purposes, and ASUS AICS will not  
store any of the data your provided with us.
```

Structuring Strings

@/lang/tw.js

```
export default {
  main: {
    __title: 'Main Page'
  },
  about: {
    __title: 'About Page'
  }
}
```

<template>

```
<p> {{ $t('main.__title') }} </p>
```

output:

Main Page

Referencing Other String

@/lang/tw.js

```
export default {
  common: {
    __yes: 'Yes',
    __no: 'No'
  },
  main: {
    __title: 'Main Page',
    __buttonYes: '@:common.__yes',
    __buttonNo: '@:common.__no'
  },
  about: {
    __title: 'About Page',
    __buttonYes: '@:common.__yes',
    __buttonNo: '@:common.__no'
  }
}
```

Switching Locales

```
const i18n = new VueI18n({
  locale: 'ja', // set locale
  ...
})

// create root Vue instance
new Vue({
  i18n,
  ...
}).$mount('#app')

// change other locale
i18n.locale = 'en'
```

```
<select v-model="$i18n.locale">
  <option v-for="(lang, i) in langs" :key="`Lang${i}`" :value="lang">{{ lang }}</option>
</select>
```

// No need to set hot reloading for switching

Alternatives to Manage Strings

- In .js

```
export default {
  __pikachu: 'Pika'
}
```

- In .json

```
{
  "__pikachu": "Pika"
}
```

- In .vue

```
<i18n>
{
  "tw": {
    "pikachu": "皮卡丘"
  },
  "en": {
    "pikachu": "Pika"
  }
}</i18n>
```

String Naming

 pikachu? 

pikachu?

String Naming

Pricing Plans

__pricingPlans ?

__pricePageTitle ? ✓

Speech Recognition

Free

- 60 Minutes
- Max 30 Queries / second

Get Started

Paid*

- After 60 free minutes
- Max 30 Queries / second
- NT\$ 0.1 / 15 seconds**

Get Access

Note

- Remember to add `i18n` instance when mount in testing

```
let wrapper = shallowMount(view, {  
  localVue,  
  i18n  
})
```

- Need other settings for hot reloading

<https://kazupon.github.io/vue-i18n/guide/hot-reload.html>

References

- <https://kazupon.github.io/vue-i18n/> (official document)
- <https://www.codeandweb.com/babeledit/tutorials/how-to-translate-your-vue-app-with-vue-i18n>
- <https://dotblogs.com.tw/wasichris/2018/05/12/012517>

Thanks.