

VUE ROUTER



The official router for Vue.js.

USING VUE ROUTER

Vue CLI:

```
$ npm install vue-router
```

```
$ vue add router
```

ROUTER/INDEX.JS

```
import { createRouter, createWebHistory } from 'vue-router'

// 1. Define route components.
// These can be imported from other files
import Foo from '@/views/Foo.vue'
import Bar from '@/views/Bar.vue'

// 2. Define some routes
// Each route should map to a component.
const routes = [
  { path: '/foo', component: Foo, name: 'Foo' },
  { path: '/bar', component: Bar, name: 'Bar' }
]

// 3. Create the router instance and pass the `routes` option
// You can pass in additional options here, but let's
// keep it simple for now.
const router = createRouter({
  history: createWebHistory(import.meta.env.BASE_URL),
  routes
})

export default router
```

TEMPLATE

```
<template>
<div id="app">
  <h1>Hello App!</h1>
  <p>
    <!-- use router-link component for navigation. -->
    <!-- specify the link by passing the `to` prop. -->
    <!-- `` will be rendered as an `` tag by default -->
    <router-link to="/foo">Go to Foo</router-link>
    <router-link to="/bar">Go to Bar</router-link>
    <router-link :to="{ name: 'Foo' }">Go to Foo</router-link>
    <router-link :to="{ name: 'Bar' }">Go to Bar</router-link>
  </p>
  <!-- route outlet -->
  <!-- component matched by the route will render here -->
  <router-view></router-view>
</div>
</template>
```

SCRIPT

```
// Home.vue
export default {
  computed: {
    username() {
      // We will see what `params` is shortly
      return this.$route.params.username
    }
  },
  methods: {
    goBack() {
      window.history.length > 1 ? this.$router.go(-1) : this.$router.push('/')
    }
  }
}
```

URL DYNAMIC SEGMENTS

router/index.js

```
routes: [  
  // dynamic segments start with a colon  
  { path: '/user/:userId', component: User },  
  { path: '/product/:id/:qty', component: Product }  
]
```

script

```
$route.params.userId  
  
$route.params.name  
  
$route.params.qty
```

PROGRAMATIC NAVIGATION

```
// literal string path
this.$router.push('/user')
this.$router.push(`/user/${userId}`) // -> /user/123

// object
this.$router.push({ path: '/user' })
this.$router.push({ path: `/user/${userId}` }) // -> /user/123

// named route
this.$router.push({ name: 'user', params: { userId: '123' } })

// with query, -> /register?plan=private
this.$router.push({ path: '/register', query: { plan: 'private' } })
```