

VUE ROUTER



The official router for Vue.js.

USING VUE ROUTER #1

CDN:

```
<head>
<script
  src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"
</script>
<script
src="https://unpkg.com/vue-router@2.0.0/dist/vue-router.js"
</script>
</head>
```

USING VUE ROUTER #2

Vue CLI:

```
$ vue add router
```

HTML (APP.VUE)

```
<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>
```

JAVASCRIPT #1 (ROUTER/INDEX.JS)

```
// 0. If using a module system (e.g. via vue-cli), import Vue and VueRouter
// and then call `Vue.use(VueRouter)`.

// 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. The "component" can
// either be an actual component constructor created via
// `Vue.extend()`, or just a component options object.
// We'll talk about nested routes later.
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 = new VueRouter({
  routes
})

export default router
```

JAVASCRIPT #2

```
// 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

```
const User = {
  template: '<div>User</div>'
}

const router = new VueRouter({
  routes: [
    // dynamic segments start with a colon
    { path: '/user/:id/:name', component: User }
  ]
})
```

```
const User = {
  template: '<div>User id: {{ $route.params.id }}</div>
            <div>User name: {{ $route.params.name }}</div>'
}
```

PROGRAMATIC NAVIGATION

```
// literal string path
this.$router.push('/home')

// object
this.$router.push({ path: '/home' })

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

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

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

// This will NOT work
this.$router.push({ path: '/user', params: { userId } }) // -> /user
```