

# react-router

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## React-router 使用

- ◆ 面试考点并不多（前提是熟悉 React）
- ◆ 路由模式（hash、H5 history），同 vue-router
- ◆ 路由配置（动态路由、懒加载），同 vue-router

## React-router 路由模式

- ◆ hash 模式（默认），如 <http://abc.com/#/user/10>
- ◆ H5 history 模式，如 <http://abc.com/user/20>
- ◆ 后者需要 server 端支持，因此无特殊需求可选择前者

## React-router 路由模式

```
import React from 'react'
import {
  HashRouter as Router,
  Switch,
  Route
} from 'react-router-dom'
```

```
import React from 'react'
import {
  BrowserRouter as Router,
  Switch,
  Route
} from 'react-router-dom'
```

```
function RouterComponent() {
  return (
    <Router>
      <Switch>
        <Route exact path="/">
          <Home />
        </Route>
        <Route path="/project/:id">
          <Project />
        </Route>
        <Route path="*">
          <NotFound />
        </Route>
      </Switch>
    </Router>
  )
}
```

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## React-router 路由配置 动态路由

```
function RouterComponent() {
  return (
    <Router>
      <Switch>
        <Route exact path="/">
          <Home />
        </Route>
        <Route path="/project/:id">
          <Project />
        </Route>
        <Route path="*">
          <NotFound />
        </Route>
      </Switch>
    </Router>
  )
}
```

```
import React from 'react' 8.4K (gzipped: 3.4K)
import { Link, useParams } from 'react-router-dom'

Complexity is 4 Everything is cool!
function Project() {
  // 获取 url 参数, 如 '/project/100'
  const { id } = useParams()
  console.log('url param id', id)

  return (
    <div>
      <Link to="/">首页</Link>
    </div>
  )
}
```

## React-router 跳转路由

```
import React from 'react' 8.4K (gzipped: 3.4K)
import { useHistory } from 'react-router-dom' 16.7K (gzipped: 6K)
Complexity is 5 Everything is cool!
function Trash() {
  let history = useHistory()
  function handleClick() {
    history.push('/')
  }
  return (
    <div>
      <Button type="primary" onClick={handleClick}>回到首页</Button>
    </div>
  )
}
```

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# React-router 路由配置 懒加载

```
import { BrowserRouter as Router, Route, Switch } from 'react-router-dom';
import React, { Suspense, lazy } from 'react';

const Home = lazy(() => import('./routes/Home'));
const About = lazy(() => import('./routes/About'));

const App = () => (
  <Router>
    <Suspense fallback={<div>Loading...</div>}>
      <Switch>
        <Route exact path="/" component={Home}/>
        <Route path="/about" component={About}/>
      </Switch>
    </Suspense>
  </Router>
);
```