



搭建 WEBPACK + REACT + TYPESCRIPT

安装环境 (依赖 NODEJS 环境, 请自行安装)

- ▶ `npm install -g create-react-app`
- ▶ `brew install yarn`

创建并运行项目

- ▶ `create-react-app react-typescript --scripts-version=react-scripts-ts`
- ▶ `cd react-typescript`
- ▶ `yarn eject`
- ▶ `yarn start`

安装 BABEL 依赖

- ▶ `yarn add --dev babel-core`
- ▶ `yarn add --dev babel-loader`
- ▶ `yarn add --dev babel-preset-react`
- ▶ `yarn add --dev babel-preset-es2015`

修改 TSCONFIG.JSON 文件

```
{  
  "compilerOptions": {  
    ...  
    "module": "es6",  
    "target": "es6",  
    ...  
  },  
  ...  
}
```

修改 WEBPACK 配置

```
// Compile .tsx?
{
  test: /\.?(ts|tsx)$/,
  include: paths.appSrc,
  use: [
    {
      loader: require.resolve('babel-loader'),
    },
    {
      loader: require.resolve('ts-loader'),
    }
  ],
  exclude: /node_modules/,
}
```

添加 .BABELRC 文件

```
{  
  "presets": [ "react", "es2015" ]  
}
```

安装 HMR 插件

- ▶ `yarn add --dev babel-plugin-react-transform`
- ▶ `yarn add --dev react-transform-hmr`

修改 .BABELRC 文件

```
{
  "presets": ["react", "es2015"],
  "env": {
    "development": {
      "plugins": [
        [
          "react-transform",
          {
            "transforms": [{
              "transform": "react-transform-hmr",
              "imports": ["react"],
              "locals": ["module"]
            }]
          }
        ]
      ]
    }
  ]
}
```

添加 HELLO 组件

```
import * as React from 'react';
```

```
interface Props {
```

```
}
```

```
const Hello: React.StatelessComponent<Props> = (props: Props) => (  
  <p>  
    Hello React with TypeScript  
  </p>  
) ;
```

```
export default Hello;
```

引用 HELLO 组件

```
import * as React from 'react';  
import Hello from './Hello';
```

```
...
```

```
class App extends React.Component {  
  render() {  
    return (  
      <div className="App">  
        ...  
        <Hello />  
        ...  
      </div>  
    );  
  }  
}
```

```
export default App;
```



THANKS
