



链滴

# nodejs 中使用 tpyescript

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原文链接: <https://ld246.com/article/1483429590946>

来源网站: 链滴

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

Node.js

<https://nodejs.org>

<https://nodejs.org/en/download/>

win: msi   mac: pkg   linux: tar.xz   source code: tar.gz

Latest

<https://nodejs.org/dist/v6.3.1/node-v6.3.1-x64.msi>

<https://nodejs.org/dist/v6.3.1/node-v6.3.1.pkg>

<https://nodejs.org/dist/v6.3.1/node-v6.3.1-linux-x64.tar.xz>

<https://nodejs.org/dist/v6.3.1/node-v6.3.1.tar.gz>

v4.4.7 LTS

<https://nodejs.org/dist/v4.4.7/node-v4.4.7-x64.msi>

<https://nodejs.org/dist/v4.4.7/node-v4.4.7.pkg>

<https://nodejs.org/dist/v4.4.7/node-v4.4.7-linux-x64.tar.xz>

<https://nodejs.org/dist/v4.4.7/node-v4.4.7.tar.gz>

## Homebrew: `sudo brew install node` Apt-get: `sudo apt-get install nodejs npm`

CNPM

在国内用来代替npm的工具

`$ npm install -g cnpm --registry=https://registry.npm.taobao.org`

TypeScript

<https://github.com/Microsoft/TypeScript>

<http://www.typescriptlang.org>

`$ npm install -g typescript`

`$ tsc -v`

`$ tsc -w helloworld.js` (按Ctrl+C退出)

在目录中初始化

`$ tsc -init`

`$ tsc -w --newLine LF`

typings(The TypeScript Definition Manager)

代替tsd的工具: <https://github.com/typings/typings/blob/master/docs/tsd.md>

1. `tsd install react --save`

You would now:

`typings install dreact --global --save`

2. `tsd query react`

becomes:

```
typings search react
```

```
$ npm install typings --global
```

在当前目录（项目）中安装angular和jquery的dt文件

```
$ typings install dtangular --global --save
```

```
$ typings search --name jquery
```

```
$ typings install dt~jquery --global --save
```

TSLint

```
$ npm install -g tslint typescript
```

```
$ tslint --init
```

ESLint

```
$ npm install -g eslint
```

配置

```
$ npm init
```

...

name: (workdir)

version: (1.0.0)

description:

entry point: (main.js)

test command:

git repository:

keywords:

author:

license: (ISC)

About to write to path/to/package.json:

...

```
$ eslint --init
```

? How would you like to configure ESLint? Answer questions about your style

? Are you using ECMAScript 6 features? Yes

? Are you using ES6 modules? Yes

? Where will your code run? Node

? Do you use JSX? Yes

? Do you use React Yes

? What style of indentation do you use? Spaces

? What quotes do you use for strings? Double

? What line endings do you use? Unix

? Do you require semicolons? Yes

? What format do you want your config file to be in? JSON

...

简述如下:

```
$ mkdir ProjectName # 创建项目目录, 然后下面是初始化
```

```
$ npm init
```

```
$ eslint --init
```

```
$ tsc -init
```

```
$ tslint --init
```

```
$ code . # 用VSCode (建议安装ESLint、TSLint扩展) 打开
```

## mac系统可以将code手动ln到/usr/local/bin下:

```
$ ln -s /Applications/Visual\ Studio\ Code.app/Contents/Resources/app/bin/code /usr/local/bin/code
```

---

Bower

```
$ npm install -g bower
```

安装react

先进入工作目录, 然后输入下面命令会下载react到bower\_components目录

```
$ bower install react
```

```
$ touch index.html
```

```
$ code .
```

VSCode 需要安装的扩展和组件

扩展: Reactjs snippets或者React Standard Style code snippets, 代码片段

扩展: Path Intellisense, 能方便在代码中提供路径智能提示

扩展: HTML Snippets, 提供html支持

扩展: React Native Tools, 调试Android/iOS的React原生项目, 提供智能提示, 需要安装react-native-cli

```
$ npm install -g react-native-cli
```

BABEL

<http://babeljs.io>

<https://github.com/babel/babel>

CLi

<http://babeljs.io/docs/setup/#installation>

```
$ npm install --save-dev babel-cli
```

ES2015

```
$ npm install --save-dev babel-preset-es2015
```

Polyfill

```
$ npm install --save-dev babel-polyfill
```

JSX and Flow

```
$ npm install --save-dev babel-preset-react
```