

가

Node.js

(Transpile)

가

!"

Node.js

[Browserify](#)

[Webpack](#)

(Watcher)

, import require

## Requirements

[Node.js](#) -

가

[Electron](#) -

import(require)

[Babel](#) - ES6, ES7, JSX

[ESLint](#) -

[Webpack](#) -

[Jest](#) -

[Nightwatch.js](#) -

[Grunt](#) -

: Electron

Node.js 5.1.1

V8

4.6)

Electron

V8

Node.js

V8

(가

, [V8](#)

ECMAScript 2015(ES6)

1, 2

Electron

## Configuration

package.json

. React jQuery

가

```

$ mkdir my - project
$ cd my - project
$ touch .babelrc
$ touch .eslintrc
$ touch .gitignore
$ touch package.json
$ touch main.js
$ touch index.html
$ touch LICENSE.md
$ touch README.md
$ mkdir scripts
$ mkdir src
$ cd src
$ touch index.js

```

```

.babelrc Babel (babel - preset - *)
, Babel Electron 0.36.x(Node.js 5.1.1,
47) V8 4.7 ES2015 6
4 2 가
: Node.js require (Hook) babel - register (Cache)

```

```

{
  "plugins": [
    "transform - es2015 - destructuring",
    "transform - es2015 - for - of",
    "transform - es2015 - modules - commonjs",
    "transform - es2015 - object - super",
    "transform - es2015 - parameters",
    "transform - es2015 - shorthand - properties",
    "transform - object - rest - spread",
    "transform - react - jsx"
  ]
}

```

```

: sticky - regex unicode - regex typeof - symbol
48( Electron 0.37.x) object - super
typeof - symbol 26
V8 4.9( 49)
destructuring, parameters, sticky - regex
Electron 0.35.x(Node 4.1.1, 45, v8 4.5) 3 가
ES6 Babel Github 380

```

```

...
// Require if using electron version 0.35.x
"transform - es2015 - block - scoping",
"transform - es2015 - classes",
"transform - es2015 - spread"
...

```

object - rest - spread ES2015

ES7

, ESLint [object - shorthand](#)

.eslintrc

ESLint

. ESLint

가

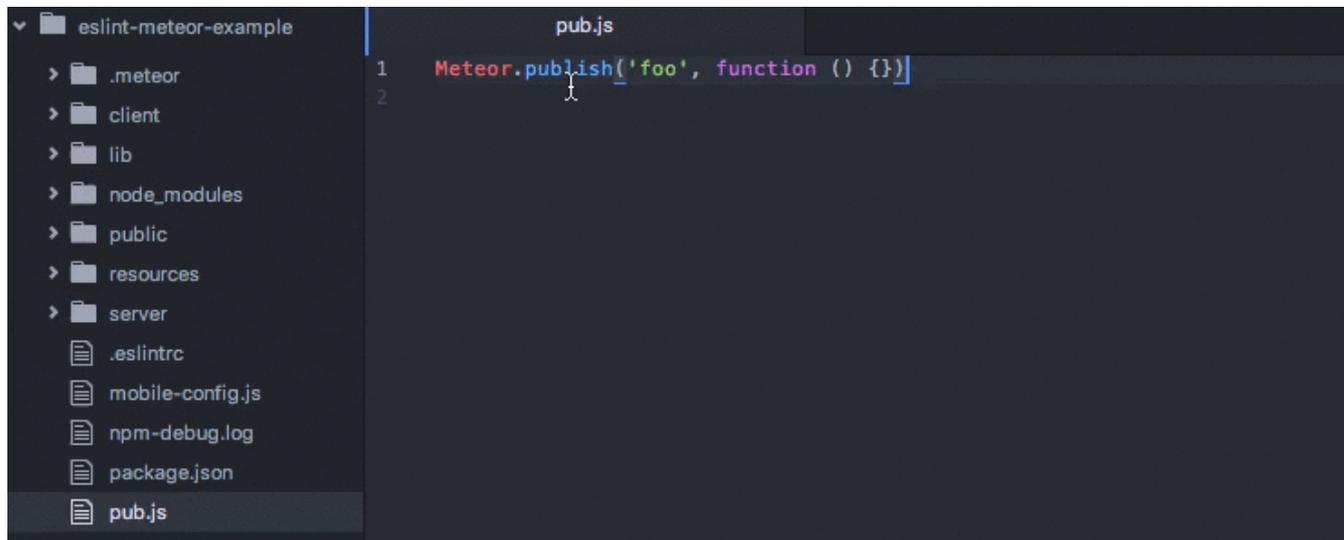
[CODA 2](#)

[ESLint JS Validator](#)

가  
(Atom)

, [linter - eslint](#)

[Sublime Text](#)



가

[JavaScript Standard Style](#)  
"rules"

React

[Airbnb](#)

```

{
  "ecmaFeatures": {
    "jsx": true,
    "modules": true,
    "experimentalObjectRestSpread": true
  },
  "env": { "es6": true, "node": true, "browser": true },
  "extends": ["standard", "airbnb"],
  "globals": { "$": true },
  "parser": "babel - eslint",
  "plugins": ["standard", "react"],
  "rules": {
    "comma - dangle": [2, "never"],
    "default - case": 0,
    "func - names": 0,
    "new - cap": [2, { "newIsCap": true, "capIsNew": false }],
    "no - console": 0,
    "object - curly - spacing": 0,
    "react/prop - types": 0,
    "react/sort - comp": 0,
    "space - before - function - paren": [2, "never"],
    "strict": 0
  }
}

```

: ESLint

```

$ npm install -g eslint
$ npm install -g eslint - config - airbnb eslint - config - standard
$ npm install -g eslint - plugin - react eslint - plugin - standard

```

package.json

```

{
  "name": "MyProject",
  "version": "0.0.1",
  "license": "MIT",
  "description": "My Awesome Project",
  "author": "firejune",
  "main": "main.js",
  "dependencies": {
    "jquery": "^2.2.0",
    "jquery - ui": "^1.10.5",
    "react": "^0.14.3",
    "react - dom": "^0.14.3"
  },
  "devDependencies": {
    "babel - core": "^6.4.5",
    "babel - eslint": "^5.0.0 - beta6",
    "babel - loader": "^6.2.1",
    "babel - plugin - transform - es2015 - destructuring": "^6.4.0",
    "babel - plugin - transform - es2015 - for - of": "^6.3.13",
    "babel - plugin - transform - es2015 - modules - commonjs": "^6.4.5",
    "babel - plugin - transform - es2015 - object - super": "^6.4.0",
    "babel - plugin - transform - es2015 - parameters": "^6.4.5",
    "babel - plugin - transform - es2015 - shorthand - properties": "^6.3.13",
    "babel - plugin - transform - object - rest - spread": "^6.3.13",
    "babel - plugin - transform - react - jsx": "^6.4.0",
    "electron - prebuilt": "^0.36.5",
    "eslint": "^1.10.3",
    "eslint - config - airbnb": "^3.1.0",
    "eslint - config - standard": "^4.4.0",
    "eslint - plugin - react": "^3.15.0",
    "eslint - plugin - standard": "^1.3.1",
    "grunt": "^0.4.5",
    "jest - cli": "^0.8.2",
    "nightwatch": "^0.8.15",
    "webpack": "^1.12.11"
  },
  "scripts": {
    "start": "electron .",
    "lint": "eslint ./src",
    "test:unit": "npm run lint && jest - c ./scripts/unit - test.json",
    "test:ui": "npm run test:unit && nightwatch - - test ./scripts/ui - test.js",
    "build": "npm run test:ui && webpack - - config ./scripts/package.js - - release"
  }
}

```

ES6

Babel

, Babel

, JSX

[node - jsx](#)

deprecated

"transform - react - jsx"

. node - jsx가

# Electron Starter

Electron

, Electron

. main.js

package.json

Electron  
ES6

```
'use strict';
const electron = require('electron');
const app = electron.app;
const BrowserWindow = electron.BrowserWindow;
//
app.on('ready', function () {
  //
  const mainWindow = new BrowserWindow({width: 800, height: 600});
  //
  mainWindow.loadURL('file://' + __dirname + '/index.html');
  //
  mainWindow.webContents.openDevTools();
  //
  mainWindow.on('closed', function() {
    app.quit();
  });
});
```

index.html

main.js

(BrowserWindow)

가

```
<!DOCTYPE html >
<html >
  <head >
    <meta charset="UTF - 8" >
    <title >Hello World! </title >
  </head >
  <body >
    <div id="example" >Hello</div >
    <script >
      // Install babel hooks to the browser process
      require('babel - core/register')();
      require('./src');
    </script >
  </body >
</html >
```

: Electron main browser

, Electron

Electron

IPC

main

. main.js main

index.html

browser



