

ESLint Prettier + Typescript

**React+TypeScript Cheatsheets
https://github.com/typescript-cheatsheets/react
Using ESLint and Prettier in a TypeScript Project: https://www.robertcooper.me/using-eslint-and-prettier-in-a-typescript-project**

GLOBAL CONFIG IN settings.json

```
{
  "eslint.validate": ["typescript", "typescriptreact"]
}
```

enable typescript and tsx for esnlit validate (default only js)
Git >= 2.13.2
Install eslint and prettier on vscode and set **Format on save** in settings.

REACT

```
.vscode/settings.json:
{
  "editor.formatOnSave": true,
  "eslint.enable": true,
  "eslint.validate": ["typescript", "typescriptreact"],
  "eslint.alwaysShowStatus": true,
  "editor.codeActionsOnSave": {
    "source.fixAll.eslint": true
  }
}

package.json:

"devDependencies": {
  "@typescript-eslint/eslint-plugin": "^2.17.0",
  "@typescript-eslint/parser": "^2.17.0",
  "eslint": "^6.8.0",
  "eslint-config-prettier": "^6.9.0",
  "eslint-plugin-prettier": "^3.1.2",
  "eslint-plugin-react": "^7.18.0",
  "prettier": "^2.0.5"
}
```

```
.prettierrc.js

module.exports = {
  semi: true,
  trailingComma: 'all',
  singleQuote: true,
  printWidth: 120,
  tabWidth: 2,
};
```

```
.eslintrc.js:

module.exports = {
  parser: '@typescript-eslint/parser', // Specifies the ESLint parser
  extends: [
    'plugin:react/recommended', // Uses the recommended rules from @eslint-plugin-react
    'plugin:@typescript-eslint/recommended', // Uses the recommended rules from @typescript-eslint/eslint-plugin
    'prettier/@typescript-eslint', // Uses eslint-config-prettier to disable ESLint rules from @typescript-eslint/eslint-plugin that would conflict with prettier
    'plugin:prettier/recommended', // Enables eslint-plugin-prettier and displays prettier errors as ESLint errors. Make sure this is always the last configuration in the extends array.
  ],
  parserOptions: {
    ecmaVersion: 2018, // Allows for the parsing of modern ECMAScript features
    sourceType: 'module', // Allows for the use of imports
    ecmaFeatures: {
      jsx: true, // Allows for the parsing of JSX
    },
  },
  rules: {
    // Place to specify ESLint rules. Can be used to overwrite rules specified from the extended configs
    // '@typescript-eslint/explicit-function-return-type': 'off',
  },
  settings: {
    react: {
      version: 'detect', // Tells eslint-plugin-react to automatically detect the version of React to use
    },
  },
};
```

实际中如何解决React使用问题:
eslint typescript nodejs prettier: https://www.youtube.com/watch?v=mg_pDqsZL3g
eslint prettier vscode for typescript=react: https://github.com/jsjoelo/react-ts-example/blob/master/package.json
参考ben adwards的react typescript cheatsheet
then pretty-quick and husky
npm install --save-dev husky pretty-quick
In package.json add:

```
"husky": {
  "hooks": {
    "pre-commit": "pretty-quick --staged"
  }
}

.prettierrc ignore add:

node_modules
dist
package-lock.json
```

NODE

yarn add typescript --dev
hot reload: "dev": "ts-node-dev --respawn --transpile-only ./src/app.ts",
ts.config.json

```
{
  "compilerOptions": {
    "module": "commonjs",
    "target": "es2018",
    "moduleResolution": "node",
    "sourceMap": true,
    "outDir": "dist",
    "resolveJsonModule": true,
    "esModuleInterop": true,
    "experimentalDecorators": true,
    "emitDecoratorMetadata": true
  },
  "include": ["src/**/*.ts"],
  "exclude": ["**/node_modules/*"]
}
```

yarn add eslint @typescript-eslint/eslint-plugin @typescript-eslint/parser --dev
eslint --init
node/import/airbnb/
.eslint

```
{
  "env": {
    "node": true
  },
  "extends": [
    "plugin:@typescript-eslint/recommended",
    "prettier/@typescript-eslint", // Uses eslint-config-prettier to disable ESLint rules from @typescript-eslint/eslint-plugin that would conflict with prettier
    "plugin:prettier/recommended" // Enables eslint-plugin-prettier and displays prettier errors as ESLint errors. Make sure this is always the last configuration in the extends array.
  ],
  "parser": "@typescript-eslint/parser",
  "parserOptions": {
    "ecmaVersion": 2018,
    "sourceType": "module"
  },
  "plugins": ["@typescript-eslint"],
  "rules": {
    "@typescript-eslint/no-unused-vars": "off"
  }
}
```

npm install prettier --save-dev
npm install eslint-config-prettier --save-dev
npm install eslint-plugin-prettier --save-dev

```
src > ts app.ts > ...
1  import { performance } from 'perf_hooks';
2  var startTime = performance.now();
3
4  var test = __dirname + "/public";
5
6  console.log(` `);
7  console.log(` Starting: ${new Date().toISOString()} `);
8  console.log(` `);
9
10
11  import express from 'express';
12  import bodyparser from 'body-parser'
13  import router from './routes'
14
15  const app = express();
16  const port = 3000;
17
18  app.use(bodyparser.json())
19  app.use(router)
20
21  app.get('/', (req, res) => {
22    res.send("The sedulous 2233heyn!" + new Date());
23  });
24
25
26
27  app.listen(port, err => {
28    if(err){
29      return console.error(err);
30    }
31    console.log(`server is1 listening on ${port}`);
32    console.log(` * imports done in ${((performance.now() - startTime).toFixed(3))}ms`);

```

```
{
  "editor.formatOnSave": true,
  "[javascript]": {
    "editor.formatOnSave": false
  },
  "prettier.disableLanguages": ["js"],
  "eslint.autoFixOnSave": true,
  "eslint.alwaysShowStatus": true,
  "files.autoSave": "onFocusChange",
}
```

https://dev.to/caelinsutch/setting-up-a-typescript-nodejs-application-with-prettier-and-eslint-53jc

HUSKY NOT RUNNING

maybe this thing should be put on README.md as well?
Husky requires Git >= 2.13.2
It should be at the top of README https://github.com/typicode/husky/blob/master/CHANGELOG.md#300
NODE > 10.0