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Adding TypeScript

Note: this feature is available with `react-scripts@2.1.0` and higher.

TypeScript is a typed superset of JavaScript that compiles to plain JavaScript.

Installation

To start a new Create React App project with TypeScript, you can run:

```
npx create-react-app my-app --typescript

# or

yarn create react-app my-app --typescript
```

If you've previously installed `create-react-app` globally via `npm install -g create-react-app`, we recommend you uninstall the package using `npm uninstall -g create-react-app` to ensure that `npx` always uses the latest version.

To add TypeScript to a Create React App project, first install it:

```
npm install --save typescript @types/node @types/react @types/react-dom @types/jest

# or

yarn add typescript @types/node @types/react @types/react-dom @types/jest
```

Next, rename any file to be a TypeScript file (e.g. `src/index.js` to `src/index.tsx`) and **restart your development server**!

Type errors will show up in the same console as the build one. You'll have to fix these type errors before you continue development or build your project. For advanced configuration, see here.

Getting Started with TypeScript and React   ☰

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- TypeScript Handbook
- TypeScript Example on React
- React + TypeScript Cheatsheets has a good overview on how to use React with TypeScript

Troubleshooting

If your project is not created with TypeScript enabled, npx may be using a cached version of `create-react-app`. Remove previously installed versions with `npm uninstall -g create-react-app` (see #6119).

If you are currently using create-react-app-typescript, see this blog post for instructions on how to migrate to Create React App.

Constant enums and namespaces are not supported, you can learn about the constraints of using Babel with TypeScript here.

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*Last updated on **10/14/2019** by **Orta***

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