**Using TypeScript**

## **Getting Started with TypeScript:**

If you're starting a new project, there are a few different ways to get started.

You can use the [TypeScript template](https://github.com/react-native-community/react-native-template-typescript):

npx react-native init MyApp --template react-native-template-typescript

## **Adding TypeScript to an Existing Project:**

1 - Add TypeScript and the types for React Native and Jest to your project.

npm install -D typescript @types/jest @types/react @types/react-native @types/react-test-renderer

2 -Add a TypeScript config file. Create a tsconfig.json in the root of your project:

{

"compilerOptions": {

"allowJs": true,

"allowSyntheticDefaultImports": true,

"esModuleInterop": true,

"isolatedModules": true,

"jsx": "react-native",

"lib": ["es2017"],

"moduleResolution": "node",

"noEmit": true,

"strict": true,

"target": "esnext"

},

"exclude": [

"node\_modules",

"babel.config.js",

"metro.config.js",

"jest.config.js"

]

}

3 -Create a jest.config.js file to configure Jest to use TypeScript

module.exports = {

preset: 'react-native',

moduleFileExtensions: ['ts', 'tsx', 'js', 'jsx', 'json', 'node']

};

4 -Rename a JavaScript file to be \*.tsx