

Releasing a library written in TypeScript on NPM ⚡

Why TypeScript?

The build process



Rollup

typescript2 + terser

```
yarn add -D typescript rollup rollup-plugin-typescript2
```

```
import typescript from "rollup-plugin-typescript2";
import { terser } from "rollup-plugin-terser";
import pkg from "./package.json";

export default {
  input: "./src/index.tsx",
  output: [
    {
      file: pkg.main,
      format: "cjs"
    },
    {
      file: pkg.module,
      format: "es"
    }
  ],
  external: [
    ...Object.keys(pkg.dependencies || {}),
    ...Object.keys(pkg.peerDependencies || {})
  ],
  plugins: [typescript(), terser()]
};
```

rollup.config.js

```
{
  "compilerOptions": {
    "declaration": true,
    "declarationDir": "./dist",
    "forceConsistentCasingInFileNames": true,
    "jsx": "react",
    "lib": ["es6", "dom"],
    "module": "esnext",
    "moduleResolution": "node",
    "noImplicitAny": true,
    "outDir": "./dist",
    "strict": true,
    "target": "es5"
  },
  "include": ["src/**/*.tsx"],
  "exclude": ["node_modules"]
}
```

tsconfig.json

Utilities

rimraf + mkdirp

```
yarn add -D rimraf mkdirp
```

```
{  
  "name": "some-lib",  
  "version": "1.0.0",  
  "main": "dist/index.js",  
  "module": "dist/index.es.js",  
  "jsnext:main": "dist/index.es.js",  
  "types": "dist/index.d.js",  
  "files": ["dist"],  
  "scripts": {  
    "build": "rimraf dist && mkdirp dist && rollup -c",  
    ...  
  },  
  ...  
}
```

package.json

Publish



```
$ yarn publish
```

Thank you!

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