

## Discussion on: **How to Create and Publish a React Component Library**

View post



Nashe Omirro • Dec 5 '22



It's been almost a year and a half now after this post was written so there are a couple of errors that the article doesn't mention, I listed some of the ones I've encountered and the solutions:

- `rollup -c` **Failed to load Config...** this is because rollup's config cannot support both import statements (esm) and require (cjs) simultaneously. You either have to use one or the other for every import inside your config file. If you want to use esm, first you need to rename your config file to `rollup.config.mjs` to tell rollup that it's a module then theres something extra you need to do for [importing jsons](#):

```
import packageJson from "./package.json" assert { type: "json" };
```

- the `@rollup/plugin-typescript` package now needs `tslib` as a peer dependency, just download `tslib` as dev dependency and you should be good to go.
- for optimization with terser, `rollup-plugin-terser` seems to be unmaintained and won't work in some of the latest versions of rollup, since this was a pretty heavily used package rollup came up with an official plugin, use `@rollup/plugin-terser` instead.
- jest no longer has `jsdom` by default, to use the test environment, download `jest-environment-jsdom` as a dev dependency separately.
- storybook with react and react-dom peer dependencies we're already mentioned but I wanted to mention my fix for it, so first is to download both react and react-dom as a dev dependency, then duplicate react to be a peer-dependency (this is surprisingly what other libraries do):

```
{
  "devDependencies": {
    "react": <version>,
    "react-dom": <version>
    // ...
  },
  "peerDependencies": {
    "react": <version>
    // ...
  }
}
```

- don't place `react-dom` as a peer dependency because we solely need that just for `storybook` and our library doesn't use it anywhere. and just in case we accidentally include it in our bundle we need to mark the library as external on our rollup config file, `react` is already excluded because of the `peerDepsExternal` plugin.

```
export default [
  {
    input: "src/index.ts",
    external: ['react-dom'],
    // ...
  }
]
```

That's all of the problems I had to deal with but I did skip some steps (adding SCSS and CSS) so there's probably some stuff I missed.



mperudirectio • Mar 15 • Edited



following these steps partially solved my issues. Unfortunately, however, after changing the rollup configuration file, when I launch the script this error occurs:

```
[!] RollupError: Could not resolve "../components" from "dist/esm/types/index.d.ts".
```

but if i look in the `dist` bundled folder actually everything seems ok with imports

### SOLVED

what I had to do was make sure that the `rollup.config.mjs` file was entirely written IN ES and then add the brackets to the default `mts` object which previously with the "dirty" file gave me an error if I added them, but instead now adding them ( `plugins: [mts()]` ) with the well written file the build completes correctly.



John Grant • Mar 13



For me, I had to add this:

```
external: [...Object.keys(packageJson.peerDependencies || {})],
```

Because I had more dependencies than only `react` & `react-dom`. I had several:

```
"peerDependencies": {
  "@emotion/react": "^11.10.6",
  "@emotion/styled": "^11.10.6",
  "@mui/material": "^5.11.12",
  "@types/react": "^18.0.28",
  "react": "^18.2.0",
```

```
"react-dom": "^18.2.0"
}
```



**Aman** 🚀 • Dec 31 '22



When running `rollup -c` if anyone is getting `SyntaxError: Unexpected Identifier` error than just upgrade your nodejs version to v18 LTS, I was on 16.3 so the importing json using the `assert` keyword was causing this. Thanks to [@nasheomirro](#) for providing a link to a blog where it states that nodejs 17.5+ required.



**Rodrigo García** • Jan 20



version 16.19.0 works just fine... just in case anyone needs to work with 16 version



**Alex Eagleson** 🌟 • Dec 5 '22



Much appreciated for this, and the time and effort that went into it. I've updated the article and placed links to this comment where appropriate for the things that have changed in the past year.

Thanks again, and cheers!

Some comments have been hidden by the post's author - [find out more](#)