

Guide to upgrade Node.js 20

Step 1

Install Node.js version 20.10.0 (Long Term Support (LTS) release)

Step 2

Use "npm" as the project package manager, which comes with Node.js

Step 3

Fix any of the dependency vulnerabilities by the running this command: `npm audit fix`

- this step automatically updates react-scripts (and webpack to version 5) and other dependencies
- if this doesn't work use `--force` flag `npm audit fix --force`

Step 4

Use `craco` to add node polyfill.

node polyfill is set of packages/functions that you need to use in browser but isn't available in browser.

- Install `craco` by running this command: `npm install -D @craco/craco`
- Create config file named `craco.config.js` (read more from official website of cracojs)
- Install `node-polyfill-webpack-plugin` . and add the plugin to config file.

```
var NodePollyfill = require('node-polyfill-webpack-plugin')
module.exports = {
  webpack:{
    plugins:[new NodePollyfill()]
  }
}
```

Step 5

Modify scripts in `package.json` file. Replace `react-scripts` with `craco`

- `react-scripts start` -> `craco start`
- `react-scripts build` -> `craco build`
- `react-scripts test` -> `craco test`

Step 6

If using `dotenv` as dependency, you will need to remove it from the dependency

As it is no longer need to install explicitly, it comes with the Node.js

Step 7

Try running the following commands to see if everything works as expected.

- `npm run start` -> start dev server
- `npm run build` -> create production bundle.

Step 8

Test the application flow, and fix any runtime error