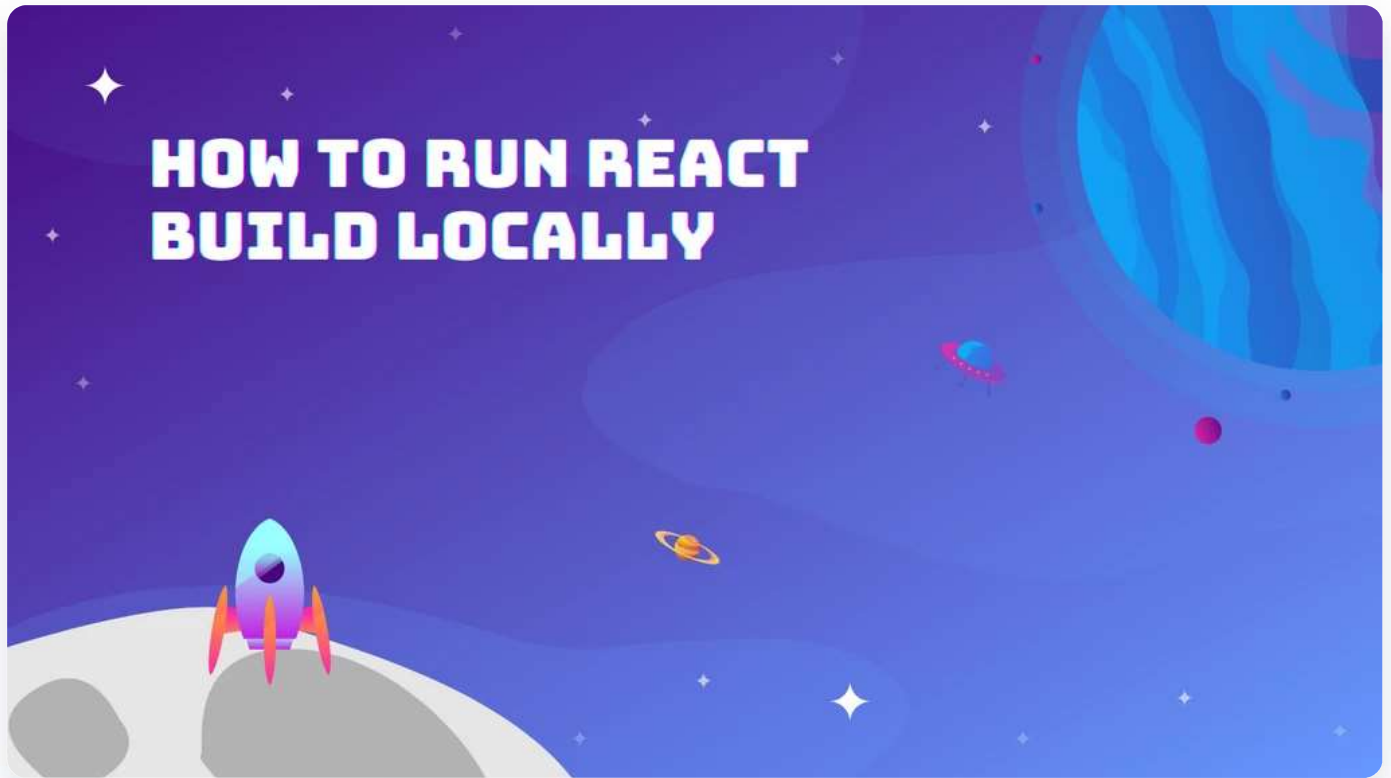




How to Run React JS Build Locally

Bernard Bado November 30, 2021



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React is a great way to develop, build and ship applications fast. It provides good and fast developer experience, and many tools that help us develop applications faster.

But sometimes, we end up in a rather tricky situation. Everything works on our local development server. But when we run the application in production, it's the exact opposite. In other words, nothing works. That brings us to a very important question.



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• Testing if everything works as expected

NOTE

I'll explain each step in more detail in this article. If you're interested in that, read further!

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Running React Build Locally

To create a production build of your React app, all you need to do is run the following command.

```
npm run build
# Or if you're using Yarn
yarn build
```

It will take a couple of seconds, maybe even minutes. But after some time, you should see it produces a new folder. Usually, it's called `build` or `public`.

INFO

Most React project managers like Create React App, Next.js, or Gatsby have the build

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To give you an example. In development mode, we love console logs, hot reloading, and descriptive error messages. But in the production version, we don't want any of these. Luckily for us, the build process usually removes all these features.



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Serving React Build Folder

Now that we have our build files generated, it's time to turn them into a functioning website. In order to do so, we need some sort of HTTP server running on our local machine.

While this may sound difficult, we can quickly achieve it by installing a package called `serve`.

Serving React Build With Serve

Assuming you would like to serve a static site, single page application or just a

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All that's left to do is tell `serve` package which folder you want to serve. Assuming you're inside your project directory. You'd run a command like this.

```
serve build
```

And you should see the following output, specifying where your React app is being served.

```
yarn run v1.22.17
$ gatsby serve

You can now view upbeat-code in the browser.

http://localhost:9000/
```

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Testing React Build Locally

When your React app is up and running, all that's left to do is use your app, test it, and debug it. And eventually, find the problem you were facing in the first place.

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Concluding Thoughts

React team is trying their best to make the life of React developers easier and more enjoyable. One thing that really helps us is the ability to run and test the production build of React JS apps locally.

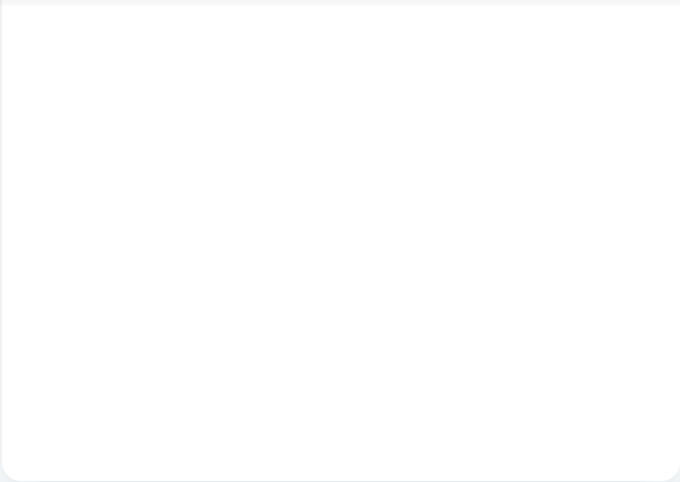
Sometimes, we end up in a situation, where the production build of our React app is not working. The ability to run and test the production build of our app locally can save us a ton of time and headaches.

In this article, you learned the necessary steps to run, serve and test React build locally. With this knowledge, next time you're facing a production problem, you know exactly what steps you need to take.



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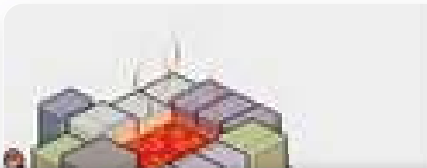


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