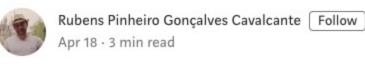
Webpack From Zero to Hero Chapter 1: Getting Started with the Basics





background or for the index you can check the "Chapter 0: History".

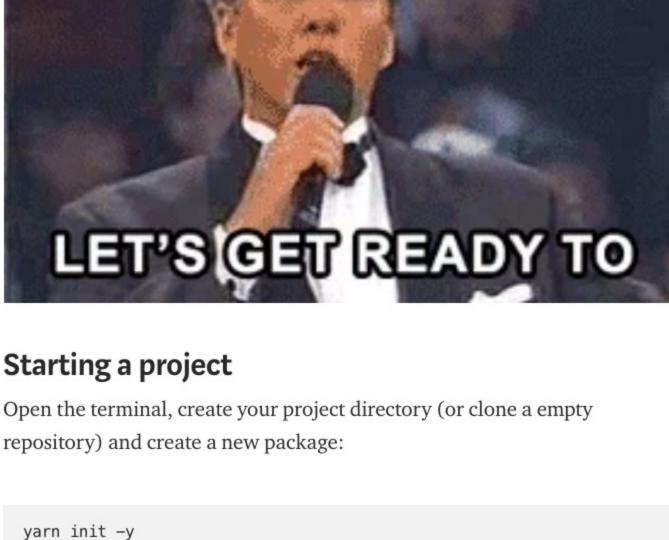
This article is part of the Webpack from Zero to Hero series, for more

Next - Chapter 2: Tidying Up Webpack. Disclaimer: During this series I'll be running Yarn, but if you like NPM better it

Introduction this article we're going to start from an empty directory and proceed to build an application with dependencies, producing a

is totally fine too 👄.

simple bundle using Webpack with just a few lines of setup!



This will create your **npm environment.** Then create a simple file with

Install the dependencies

Now you're ready to go. Just run:

some JS inside of it on src/index.js:

const hello = subject => console.log(`Hello \${subject}!`); 2 hello("OLX Dev!"); index.js hosted with \ by GitHub

To install Webpack runtime and client we'll need to do:

view raw

```
yarn add webpack webpack-cli --dev
Run the build
```

'production' to enable defaults for each environment.

000

Time: 317ms

Done in 2.68s.

Hash: 40e1edfd045f003ed85c

Version: webpack 4.29.0 Built at: 01/21/2019 3:39:31 PM Asset Size Chunks Chunk Names

If you're running with npm > v5 you can use npx webpack.

This is what you will probably see in the console

You can also set it to 'none' to disable any default behavior. Learn more: https://webpack.js.org/concepts/mode/

"Hold your horses partner! I don't have a clue what's happening here!" Hold your horses

Convention Over Configuration Following Bundlers like Parcel, Webpack 4 is now designed with this in

You see that we're able to run without any configuration file, and you

Wait a minute, let me explain.

mind.

run:

1

hello.js hosted with | by GitHub

And import it in index:

2 hello("OLX Dev!");

dist/main.js.

or

yarn build:dev

index.js hosted with \ by GitHub

import { hello } from "./hello";

Setting up NPM Scripts

package.json file. Add this section to it:

/***/ **}**)

- The output being **dist/main.js** And more, when it warned about the "The 'mode' option has not been set", it's because it assumes a different set of options when you're bundling for production and development modes.

Open the dist/main.js file when Webpack assumed "production" mode. Now

And check dist/main.js again. You'll see the non-uglified unoptimized

At the start you can see the webpack runtime code, the one responsible for

the module resolutions (imports/exports), and then your wrapped code:

version of the bundle.

Running With Different Modes

yarn webpack ---mode development

In development mode Webpack wraps the modules on eval calls Module resolution in action

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view raw

Now move the "hello()" function to another file: hello.js:

export const hello = subject => console.log(`Hello \${subject}!`);

Now run the dev build again and check the result on the bundle

To make our life simple, let's move these build commands to the

"YOU LIED TO ME!"

w — "When I checked the bundle, all ES6 code was still there! It's not

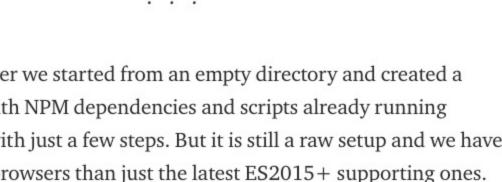
History, Webpack acts only as a bundler. Its work consists only of module

resolution and piping these modules through consumers through loaders.

If you're using NPM you need to do **npm run [script-name].**

The one responsible to *transpile* from ES6/ES7 (or ES2015+ if you prefer) to ES5 is BabelJS:

This is the solution 🤚





And the result will be something like this:

yarn webpack

main.js 973 bytes 0 [emitted] main Entrypoint main = main.js [0] ./src/index.js 78 bytes {0} [built] WARNING in configuration

Note that webpack will warn you about not providing the mode and it's therefore assuming "production", later we'll understand what this means. Now we can see the output at *dist/main.js*, and this is the bundle!

The 'mode' option has not been set, webpack will fallback to 'production' for this value. Set 'mode' option to 'development' or

- The entry file being **src/index.js**

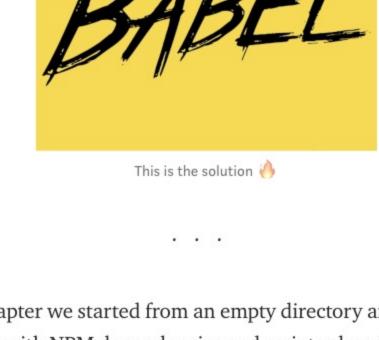
Let's see what happens when we run with different modes.

probably have noticed that it assumed two things:

"./src/index.js": /***/ (function(module, exports) { eval("const hello = subject => console.log(`Hello \${subject}!`);\n\nhello(\"OLX Dev!\");\n\n//# sourceURL=webpack:///./src/index.js?");

1 "scripts": { "build": "webpack --mode production", "build:dev": "webpack --mode development" 4 } npm-script.json hosted with \ by GitHub Now we're able to run the build with just: yarn build

> transpiling!" Now is my time to say hold your 🧆 🛝, because as I explained in Chapter 0:



this chapter we started from an empty directory and created a project with NPM dependencies and scripts already running to support more browsers than just the latest ES2015+ supporting ones. But let's see how to do it properly in the next chapter. See you there!

webpack builds with just a few steps. But it is still a raw setup and we have Technology JavaScript Webpack Nodejs Frontend 421 claps