

## sheffercool / webpack

forked from [webpack/webpack](#)

A bundler for javascript and friends. Packs many modules into a few bundled assets. Code Splitting allows for loading parts of the application on demand. Through "loaders", modules can be CommonJs, AMD, ES6 modules, CSS, Images, JSON, Coffeescript, LESS, ... and your custom stuff.

[webpack.js.org](#)

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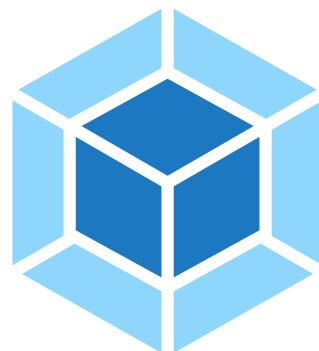
sokra ...

2 days ago

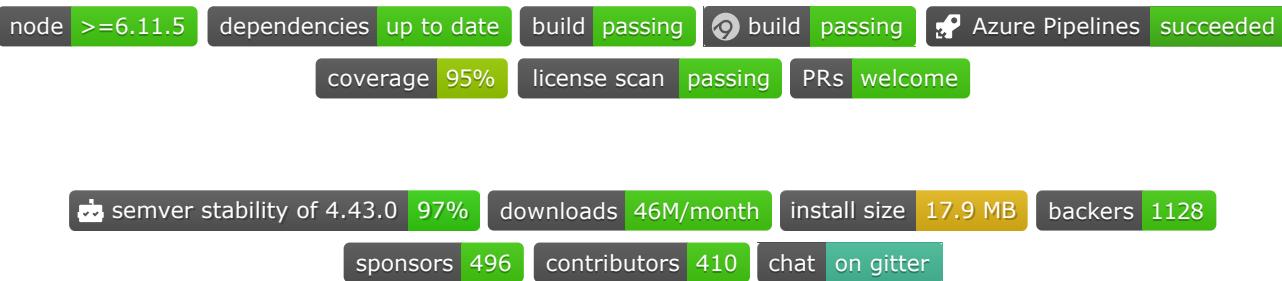


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README.md



 npm v4.43.0



# webpack

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webpack is a module bundler. Its main purpose is to bundle JavaScript files for usage in a browser, yet it is also capable of transforming, bundling, or packaging just about any resource or asset.

## Table of Contents

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1. [Install](#)
2. [Introduction](#)
3. [Concepts](#)
4. [Contributing](#)
5. [Support](#)
6. [Core Team](#)
7. [Sponsoring](#)
8. [Premium Partners](#)
9. [Other Backers and Sponsors](#)
10. [Gold Sponsors](#)
11. [Silver Sponsors](#)
12. [Bronze Sponsors](#)
13. [Backers](#)
14. [Special Thanks](#)

## Install

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Install with npm:

```
npm install --save-dev webpack
```

Install with yarn:

```
yarn add webpack --dev
```

# Introduction

webpack is a bundler for modules. The main purpose is to bundle JavaScript files for usage in a browser, yet it is also capable of transforming, bundling, or packaging just about any resource or asset.

## TL;DR

- Bundles [ES Modules](#), [CommonJS](#), and [AMD](#) modules (even combined).
- Can create a single bundle or multiple chunks that are asynchronously loaded at runtime (to reduce initial loading time).
- Dependencies are resolved during compilation, reducing the runtime size.
- Loaders can preprocess files while compiling, e.g. TypeScript to JavaScript, Handlebars strings to compiled functions, images to Base64, etc.
- Highly modular plugin system to do whatever else your application requires.

## Get Started

Check out webpack's quick [Get Started](#) guide and the [other guides](#).

## Browser Compatibility

webpack supports all browsers that are [ES5-compliant](#) (IE8 and below are not supported). webpack also needs `Promise` for `import()` and `require.ensure()`. If you want to support older browsers, you will need to [load a polyfill](#) before using these expressions.

# Concepts

## Plugins

webpack has a [rich plugin interface](#). Most of the features within webpack itself use this plugin interface. This makes webpack very **flexible**.

Name	Status	Install Size	Description
<a href="#">mini-css-extract-plugin</a>	<a href="#">npm v0.9.0</a>	<small>install size 2.75 MB</small>	Extracts CSS into separate files. It creates a CSS file per JS file which contains CSS.
<a href="#">compression-webpack-plugin</a>	<a href="#">npm v4.0.0</a>	<small>install size 3.37 MB</small>	Prepares compressed versions of assets to serve them with Content-Encoding

Name	Status	Install Size	Description
i18n-webpack-plugin	<a href="#">npm v1.0.0</a>	install size 19.1 kB	Adds i18n support to your bundles
html-webpack-plugin	<a href="#">npm v4.3.0</a>	install size 8.02 MB	Simplifies creation of HTML files (index.html) to serve your bundles
extract-text-webpack-plugin	<a href="#">npm v3.0.2</a>	install size 4.94 MB	Extract text from a bundle, or bundles, into a separate file

## Loaders

webpack enables the use of loaders to preprocess files. This allows you to bundle **any static resource** way beyond JavaScript. You can easily [write your own loaders](#) using Node.js.

Loaders are activated by using `loadername!` prefixes in `require()` statements, or are automatically applied via regex from your webpack configuration.

## Files

Name	Status	Install Size	Description
raw-loader	<a href="#">npm v4.0.1</a>	install size 2.02 MB	Loads raw content of a file (utf-8)
val-loader	<a href="#">npm v2.1.1</a>	install size 2.03 MB	Executes code as module and considers exports as JS code
url-loader	<a href="#">npm v4.1.0</a>	install size 2.24 MB	Works like the file loader, but can return a Data Url if the file is smaller than a limit
file-loader	<a href="#">npm v6.0.0</a>	install size 2.05 MB	Emits the file into the output folder and returns the (relative) url

## JSON

Name	Status	Install Size	Description
	<a href="#">npm v0.5.7</a>	install size 7.56 kB	Loads a JSON file (included by default)
{JSON:5}	<a href="#">npm v4.0.0</a>	install size 2.02 MB	Loads and transpiles a JSON 5 file

Name	Status	Install Size	Description
	npm v0.1.0	install size 415 kB	Loads and transpiles a CSON file

## Transpiling

Name	Status	Install Size	Description
<code>&lt;script&gt;</code>	npm v0.7.2	install size 8.78 kB	Executes a JavaScript file once in global context (like in script tag), require() s are not parsed
	npm v8.1.0	install size 2.04 MB	Loads ES2015+ code and transpiles to ES5 using Babel
	npm v0.6.3	install size 3.89 MB	Loads ES2015+ code and transpiles to ES5 using Traceur
TypeScript	npm v8.0.1	install size 1.23 MB	Loads TypeScript like JavaScript
<code>awesome-typescript-loader</code>	npm v5.2.1	install size 6.48 MB	Awesome TypeScript loader for webpack
	npm v1.0.0	install size 2.03 MB	Loads CoffeeScript like JavaScript

## Templating

Name	Status	Install Size	Description
	npm v1.1.0	install size 6.09 MB	Exports HTML as string, requires references to static resources
	npm v2.4.0	install size 262 kB	Loads Pug templates and returns a function
	npm v5.1.0	install size 338 kB	Compiles Markdown to HTML
	npm v1.0.2	install size 3.18 MB	Loads and transforms a HTML file using PostHTML

Name	Status	Install Size	Description
	npm v1.7.1	install size 267 kB	Compiles Handlebars to HTML

## Styling

Name	Status	Install Size	Description
	npm v1.2.1	install size 2.07 MB	Add exports of a module as style to DOM
	npm v3.6.0	install size 4.39 MB	Loads CSS file with resolved imports and returns CSS code
	npm v6.2.0	install size 9.00 MB	Loads and compiles a LESS file
	npm v9.0.2	install size 2.48 MB	Loads and compiles a Sass/SCSS file
	npm v3.0.2	install size 386 kB	Loads and compiles a Stylus file
	npm v3.0.0	install size 3.97 MB	Loads and transforms a CSS/SSS file using PostCSS

## Linting & Testing

Name	Status	Install Size	Description
	npm v5.1.0	install size 4.71 MB	Tests with mocha (Browser/NodeJS)
	npm v4.0.2	install size 2.42 MB	PreLoader for linting code using ESLint
	npm v0.8.4	install size 1.22 MB	PreLoader for linting code using JSHint

## Frameworks

Name	Status	Install Size	Description
	npm v15.9.3	install size 13.1 MB	Loads and compiles Vue Components

Name	Status	Install Size	Description
	<a href="#">npm v2.0.3</a>	<small>install size 8.69 MB</small>	Process HTML & CSS with preprocessor of choice and require() Web Components like first-class modules
	<a href="#">npm v0.6.2</a>	<small>install size 168 kB</small>	Loads and compiles Angular 2 Components
	<a href="#">npm v2.1.0</a>	<small>install size 166 kB</small>	Riot official webpack loader

## Performance

webpack uses async I/O and has multiple caching levels. This makes webpack fast and incredibly **fast** on incremental compilations.

## Module Formats

webpack supports ES2015+, CommonJS and AMD modules **out of the box**. It performs clever static analysis on the AST of your code. It even has an evaluation engine to evaluate simple expressions. This allows you to **support most existing libraries** out of the box.

## Code Splitting

webpack allows you to split your codebase into multiple chunks. Chunks are loaded asynchronously at runtime. This reduces the initial loading time.

## Optimizations

webpack can do many optimizations to **reduce the output size of your JavaScript** by deduplicating frequently used modules, minifying, and giving you full control of what is loaded initially and what is loaded at runtime through code splitting. It can also make your code chunks **cache friendly** by using hashes.

## Contributing

We want contributing to webpack to be fun, enjoyable, and educational for anyone, and everyone. We have a [vibrant ecosystem](#) that spans beyond this single repo. We welcome you to check out any of the repositories in [our organization](#) or [webpack-contrib organization](#) which houses all of our loaders and plugins.

Contributions go far beyond pull requests and commits. Although we love giving you the opportunity to put your stamp on webpack, we also are thrilled to receive a variety of other contributions including:

- [Documentation](#) updates, enhancements, designs, or bugfixes
- Spelling or grammar fixes
- README.md corrections or redesigns
- Adding unit, or functional tests
- Triaging GitHub issues -- especially determining whether an issue still persists or is reproducible.
- [Searching #webpack on twitter](#) and helping someone else who needs help
- Teaching others how to contribute to one of the many webpack's repos!
- [Blogging, speaking about, or creating tutorials](#) about one of webpack's many features.
- Helping others in our webpack [gitter channel](#).

To get started have a look at our [documentation on contributing](#).

If you are worried or don't know where to start, you can **always** reach out to [Sean Larkin \(@TheLarkInn\) on Twitter](#) or simply submit an issue and a maintainer can help give you guidance!

We have also started a series on our [Medium Publication](#) called [The Contributor's Guide to webpack](#). We welcome you to read it and post any questions or responses if you still need help.

*Looking to speak about webpack?* We'd **love** to review your talk abstract/CFP! You can email it to webpack [at] opencollective [dot] com and we can give pointers or tips!!!

## Creating your own plugins and loaders

If you create a loader or plugin, we would <3 for you to open source it, and put it on npm. We follow the `x-loader` , `x-webpack-plugin` naming convention.

## Support

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We consider webpack to be a low-level tool used not only individually but also layered beneath other awesome tools. Because of its flexibility, webpack isn't always the *easiest* entry-level solution, however we do believe it is the most powerful. That said, we're always looking for ways to improve and simplify the tool without compromising functionality. If you have any ideas on ways to accomplish this, we're all ears!

If you're just getting started, take a look at [our new docs and concepts page](#). This has a high level overview that is great for beginners!!

Looking for webpack 1 docs? Please check out the old [wiki](#), but note that this deprecated version is no longer supported.

If you want to discuss something or just need help, [here is our Gitter room](#) where there are always individuals looking to help out!

If you are still having difficulty, we would love for you to post a question to [StackOverflow with the webpack tag](#). It is much easier to answer questions that include your webpack.config.js and relevant files! So if you can provide them, we'd be extremely grateful (and more likely to help you find the answer!)

If you are twitter savvy you can tweet #webpack with your question and someone should be able to reach out and help also.

If you have discovered a  or have a feature suggestion, feel free to create an issue on Github.

## License

webpack 4972fd8bd6 

 No Issues Found

LICENSE SCAN  MIT - 100%

DEEP IMPACT STATS

- + 362 Deep Dependencies
- + 9 Obligations from 18 Licenses

[View More Details on FOSSA](#) 

## Core Team



[Tobias Koppers](#)

Core



[Johannes Ewald](#)

Loaders & Plugins



[Sean T. Larkin](#)

Public  
Relations



[Kees Kluskens](#)

Development

Sponsor

Founder of  
webpackEarly adopter of  
webpackFounder of  
the core team**CODE** **YELLOW**

## Sponsoring

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Most of the core team members, webpack contributors and contributors in the ecosystem do this open source work in their free time. If you use webpack for a serious task, and you'd like us to invest more time on it, please donate. This project increases your income/productivity too. It makes development and applications faster and it reduces the required bandwidth.

This is how we use the donations:

- Allow the core team to work on webpack
- Thank contributors if they invested a large amount of time in contributing
- Support projects in the ecosystem that are of great value for users
- Support projects that are voted most (work in progress)
- Infrastructure cost
- Fees for money handling

## Premium Partners

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## Other Backers and Sponsors

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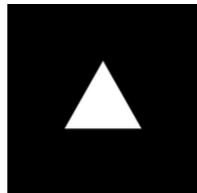
Before we started using OpenCollective, donations were made anonymously. Now that we have made the switch, we would like to acknowledge these sponsors (and the ones who continue to donate using OpenCollective). If we've missed someone, please send us a PR, and we'll add you to this list.



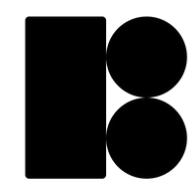
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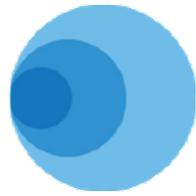
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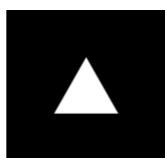


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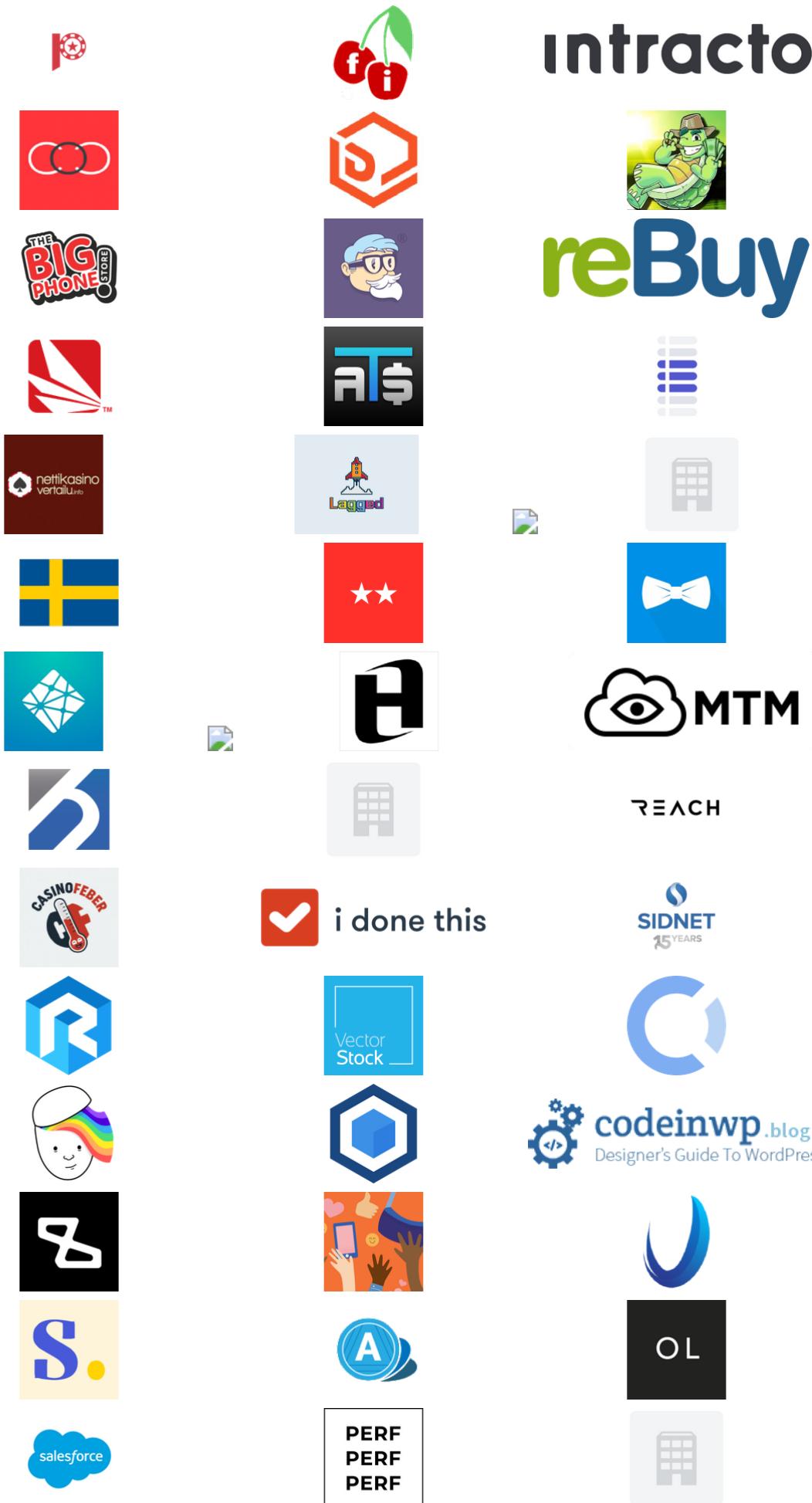
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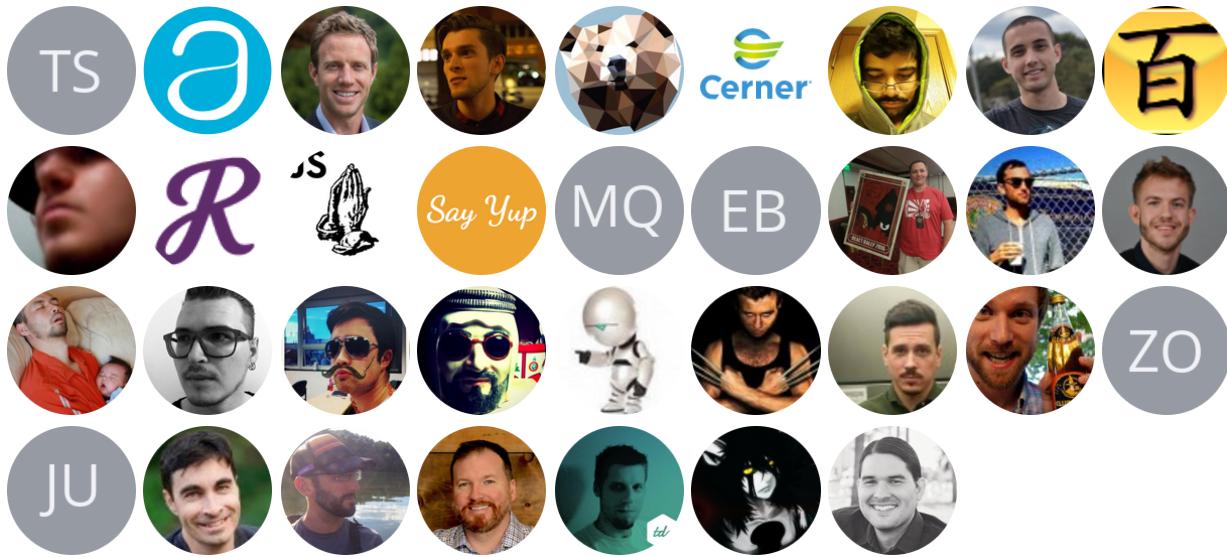






## Backers

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## Special Thanks to

(In chronological order)

- [@google](#) for [Google Web Toolkit \(GWT\)](#), which aims to compile Java to JavaScript. It features a similar [Code Splitting](#) as webpack.
  - [@medikoo](#) for [modules-webmake](#), which is a similar project. webpack was born because I wanted Code Splitting for modules-webmake. Interestingly the [Code Splitting issue is still open](#) (thanks also to [@Phoscur](#) for the discussion).
  - [@substack](#) for [browserify](#), which is a similar project and source for many ideas.

- [@jrburke](#) for [require.js](#), which is a similar project and source for many ideas.
  - [@defunctzombie](#) for the [browser-field spec](#), which makes modules available for node.js, browserify and webpack.
  - Every early webpack user, which contributed to webpack by writing issues or PRs. You influenced the direction...
  - [@shama](#), [@jhnnns](#) and [@sokra](#) for maintaining this project
  - Everyone who has written a loader for webpack. You are the ecosystem...
  - Everyone I forgot to mention here, but also influenced webpack.
- 

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