










Webpack 5 Boilerplate Template

 maintained **yes**  webpack **v5.68.0**  node **^12 || >=14**  build **passing**  package health **75/100**

 open issues **6**  vulnerabilities **0**  downloads **73/month**  license **MIT**



Demo

- [Demo page demonstrating building - SASS, JavaScript, Images, Fonts, HTML](#)

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Features

- **Simple setup** instructions
 - Start development of a project right away with **simple, configured, linter enabled, browser synced** asset files.
- Configuration per **environment**
 - **development** - *sourcemaps, browser synced development server*
 - **production** - *minification, sourcemaps*
- Configurable **browsers versions support**. It uses *browserslist* - just specify the browsers you want to support in the *package.json* file for *browserslist*:

```
"browserslist": [  
  "last 2 versions",  
  "> 5%"  
]
```

- The built CSS / JavaScript files will respect the **configured supported browser versions** using the following tools:
 - *autoprefixer* - automatically adds vendor prefixes to CSS rules
 - *babel-preset-env* - smart preset that allows you to use the latest JavaScript without needing to micromanage which syntax transforms (*and optionally, browser polyfills*) are needed by your target environment(s).
- Demo project files to be used as a reference and **example demo** building of:
 - *JavaScript*
 - *SASS / PostCSS*
 - *HTML templates*
 - *Images (CSS backgrounds and image tags)*
 - *Fonts*
- Support for **assets optimization** for production environment with ability to configure:
 - **Code Minification** of *JavaScript* and CSS processed files.
 - **Optimize Assets Loading** - inline and embed **images / fonts** files having file size below a *configurable* threshold value.
 - **Images Optimisation** - optimize *jpeg, jpg, png, gif, svg* filesize and loading type via *imagemin*. Plugin and Loader for webpack to optimize (*compress*) all images using *imagemin*. Do not worry about size of images, now they are always optimized/compressed.
- Support for **source code syntax style and formatting linters** that analyze source code to flag any programming errors, bugs, stylistic errors or suspicious constructs:

- **SASS/PostCSS syntax checker** - you can change or add additional rules in `.sasslintrc` file. Configuration options can be found on [sass-lint](#) documentation.
- **JavaScript syntax checker** - following the [airbnb](#) style, you can review and configure the rules in `.eslintrc` file. Configuration options can be found on [eslint](#) documentation.
- Latest [Webpack 5](#) - *JavaScript* module bundler.
- Latest [SASS/PostCSS](#) compiler based on Dart [sass](#).
- Latest [Babel 7](#) ([@babel/core](#)) - JavaScript compiler - *Use next generation JavaScript, today.*
- Integration with [Travis CI](#)
 - [Demo deployment available to GitHub pages](#)
- Configured and ready to use **Webpack Dev Server** plugin for faster local development - [webpack-dev-server](#)
- Integration with [Webpack Bundle Analyzer](#) - *Visualize size of webpack output files with an interactive zoomable treemap.*

Requirements

- `node : ^12 || >=14`
- `npm`

Setup

Installation

1. Choose and download the latest template release from [List of Releases](#).
2. Extract the release archive to a new directory, rename it to your project name and browse the directory.
3. Install all dependencies using `npm clean install` command.

```
$ npm ci
```

More on the clean install npm command can be read here [npm ci](#)

You can still use `npm install` in cases the `npm ci` raises system error due to specific platform incompatibilities.

Define Package Metadata

- Amend `package.json` file and optionally specify:
 - `name` - Name of your project. A name can be optionally prefixed by a scope, e.g. `@myorg/mypackage`.
 - `version` - Specify and maintain a version number indicator for your project code.
 - `author` - Your organisation or just yourself. You can also specify `contributors`.
 - `description` - Short description of your project.
 - `keywords` - Put keywords in it. It's an array of strings.
 - `repository` - Specify the place where your code lives.
 - `license` - Announce your code license, figure out the license from [Choose an Open Source License](#).

- **browserslist** - Specify the supported browsers versions - you can refer to [full list](#) of available options.

Configuration

Environment Configuration

- Edit the **configuration/environment.js** if you want to specify:
 - **server**: configure development server, specify **host**, **port**. Refer to the full development server configuration options for **webpack-dev-server**.
 - **limits**: configure file size thresholds for assets optimizations.
 - Image/Font files size in bytes. Below this value the image file will be served as Data URL (*inline base64*).
 - **paths**: **src** or **dist** directories names and file system location.

Additional **webpack** configuration

You can additionally configure **webpack** for specific environment:

- **development** - **configuration/webpack.dev.config.js**
- **production** - **configuration/webpack.prod.config.js**
 - Note that if you prefer to build and deploy **sourcemap** files:

You should configure your server to disallow access to the Source Map file for normal users!

Development

Assets Source

- **SASS/PostCSS** files are located under **src/scss/**
- **JavaScript** files with support of latest ECMAScript *ES6 / ECMAScript 2016(ES7)/ etc* files are located under **src/js/**
- **Image** files are located under **src/images/**
- **Font** files are located under **src/fonts/**
- **HTML** files are located under **src/**
 - It will **automatically** build **all HTML files** placed under **src/** directory, no need to manually configure each template anymore!

Build Assets

One time build assets for development

```
$ npm run build
```

Build assets and enable source files watcher

```
$ npm run watch
```

This command is suitable if you develop with external web server.

Note: File watching does not work with *NFS (Windows)* and virtual machines under *VirtualBox*. Extend the configuration in such cases by:

```
module.exports = {  
  //...  
  watchOptions: {  
    poll: 1000 // Check for changes every second  
  }  
};
```

Start a development server - reloading automatically after each file change.

```
$ npm run dev
```

Production

Build Assets

Optimize assets for production by:

```
$ npm run production
```

Get Built Assets

- CSS files are located under `/dist/css/`
- JavaScript files with support of ES6 / ECMAScript 2016(ES7) files are located under `/dist/js/`
- Images are located under `/dist/images/`
 - Images part of the *design* (usually referenced in the CSS) are located under `/dist/images/design/`
 - Images part of the *content* (usually referenced via `` tags) are located under `/dist/images/content/`
- Fonts are located under `/dist/fonts/`
- HTML files are located under `/dist/`

Run Code Style Linters

SASS

```
$ npm run lint:sass
```

JavaScript

```
$ npm run lint:js
```

Additional Tools

Run Assets Bundle Analyzer

```
$ npm run stats
```

This will open the visualisation on the default configuration URL `localhost:8888`, you can change this URL or port following the [package](#) documentation.

Continuous Integration

This boilerplate template contains integration with [Travis CI](#). The build system runs all linting scripts and deploys production optimized pages to *GitHub* pages upon push to the `master` branch. However, note that this deployment flow only works for *Project Pages*, as User and Organization pages [only support the master branch flow](#).

For more information on how to set up alternative deployment processes, check out the [Travis CI documentation on deployment](#). The service can deploy to dozens of cloud providers, including Heroku, AWS, and Firebase.