



FRIENDSHIP BETWEEN TWO DOUBLEW'S

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**We're an independent
design & development
agency.**



What will you get?

How I start all my WordPress Projects

Wp Boilerplate

Webpack and WordPress

Maybe it will help you

Who Am I?

Started as a Designer

WP 2.8 (2009)

Over 100 projects behind me

10+ years experience in front-end dev.

**What should every
WordPress project have?**

JAVASCRIPT

**CODING
STANDARDS**

FONTS

**TASK
RUNNER**

IMAGES



**VERSION
CONTROL**

LINTERS

SASS

PRE-PROCESSOR



+



=



WP BOILERPLATE

What is **in it?**

Watch and Build Scripts

Webpack 3

ES Linting

Style Linting

PHP Error Check

WPCS Style Guide

BrowserSync

PostCSS

Readme

Build and Pre-build Bash Script

Gitignore

Sass Files Structure

Pre-created Theme Files

General Helpers

Functions structure

BEM Menus

Google rich snippets

...

All Assets

Custom Fonts

Images

JavaScript

Sass

Sass

Based on Infinum's Handbook

BEM Structure

Not Bootstrap

Use Mixins

...



PostCSS

Autoprefixer

Postcss Font Magician

Css Mqpacker

CssNano

...



Linting

Code Consistency

Quality Checks

Unused Assets

Error Checks

Coding Standards

WPCS

(WordPress Coding Standards)

Code Optimisation

Best Practices

Fixing Bad Code

Fixing Code Leaks

Infinum Code Sniffs

Theme and Plugins

Unlimited Plugins / Themes in One Build

PreCreated Theme Structure

Smarter Functions

Assets Version

Constant for Images

BEM Menu

...

Google rich snippets

Apple iPod / Nano 4G Car Charger in White - CableWholesale.com
www.cablewholesale.com > Apple Products > iPhone/iPad Accessories ▾
★★★★★ Rating: 4.5 - 1 vote - \$2.56
4 days ago - Save time with this iPhone car charger. Perfect for charging on the go. Simply plug it into a cigarette lighter in your car to recharge your iPod.

iPod Nano 4th Generation Charger | eBay
www.ebay.com/bhp/ipod-nano-4th-generation-charger ▾
\$1.99 - In stock
25+ items - Find great deals on eBay for iPod Nano 4th Generation Charger ...
2 USB Charger Data Cable for Apple iPod Nano 3G 4G 5G 6G 2nd 3rd ... \$3.47.
3FT USB Home Wall + Car Charger + Data Noodle Cable for iPhone ... \$4.25.

EZOPower Car Charger for Apple iPod Nano 6G 5G 4G 3G 2G 1G ...
www.amazon.com/EZOPower-Charger-Generation.../dp/B004VBJSHA ▾
EZOPower Car Charger for Apple iPod Nano 6G 5G 4G 3G 2G 1G / 6th 5th 4th 3rd ...
Save \$2.00 on EZOPower 3.1A Dual-Outlet USB Car Charger - White when ...

Rich Snippet

```
<!-- Google Rich Snippets -->
<script type="application/ld+json">
{
  "@context": "http://schema.org",
  "@type": "NewsArticle",
  "mainEntityOfPage": {
    "@type": "WebPage",
    "@id": "https://google.com/article"
  },
  "headline": "<?php the_title() ?>",
  "image": {
    "@type": "ImageObject",
    "url": "<?php echo esc_html( $image['image'] ); ?>",
    "height": "<?php echo esc_html( $image['height'] ); ?>",
    "width": "<?php echo esc_html( $image['width'] ); ?>"
  },
  "datePublished": "<?php echo esc_html( get_the_time( 'c' ) ); ?>",
  "dateModified": "<?php echo esc_html( date( 'c', strtotime( $post->post_modified ) ) ); ?>",
  "author": {
    "@type": "Person",
    "name": "<?php echo get_the_author() ?>"
  },
  "publisher": {
    "@type": "Organization",
    "name": "<?php echo esc_html( get_bloginfo( 'name' ) ); ?>",
    "logo": {
      "@type": "ImageObject",
      "url": "<?php echo esc_url( IMAGE_URL . 'meta-google.png' ); ?>"
    },
    "width": 220,
    "height": 60
  },
  "description": "<?php echo esc_html( strip_tags( get_the_excerpt() ) ); ?>"
}
</script>
```


3 **Bash** Scripts

setup in 3min

_setup.sh

_prebuild.sh

_build.sh

NPM Driven Development

Npm Install / Npm Start

Pre-commit Scripts

Build Scripts

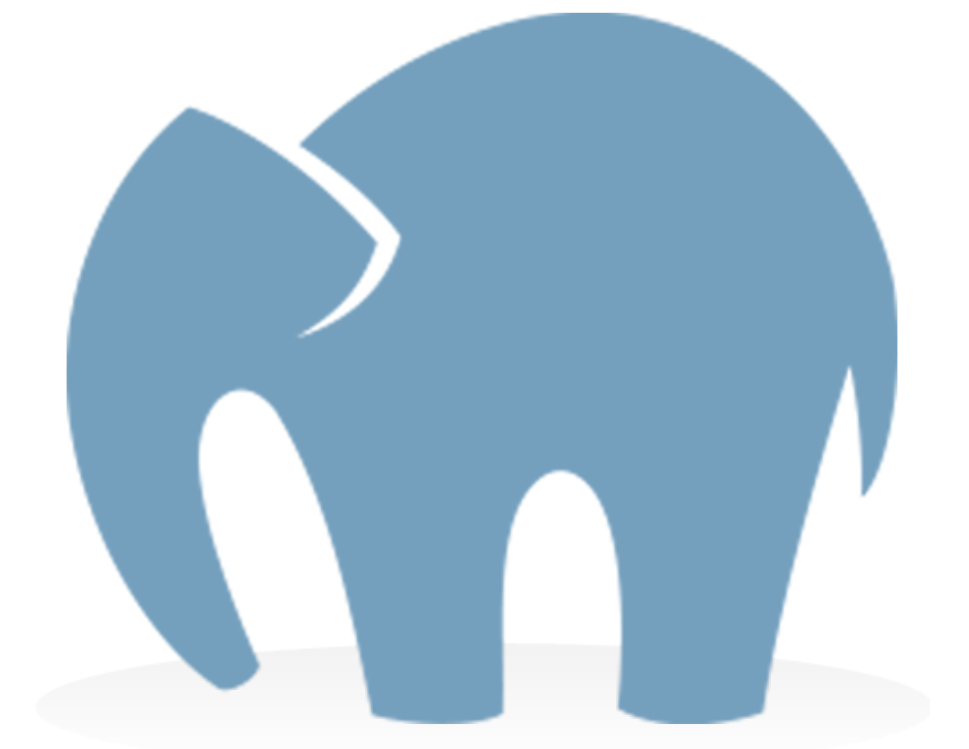
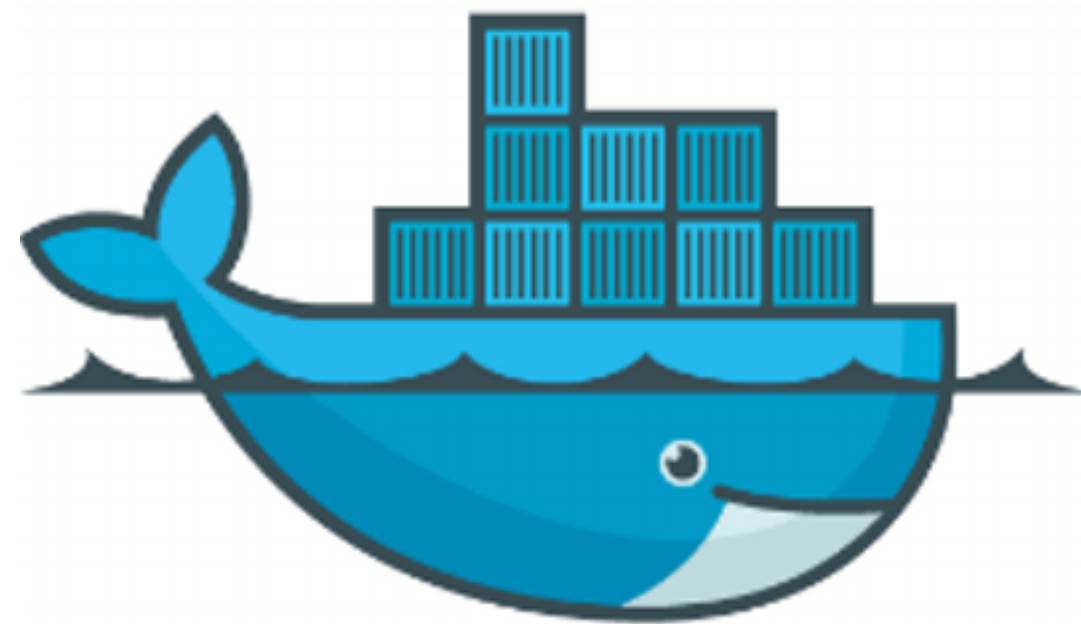
No Vendor Folders (CopyWebpackPlugin)

Development Environment

Mamp, Lampp, Xampp

VVV (Varying-Vagrant-Vagrants)

Docker



Analyse your Assets

BundleAnalyzerPlugin

Assets sizes in graphics

scripts/application.js

node_modules

jquery

dist

jquery.js

slick-carousel

slick

slick.js

slick.js

Stat size: 85.99 KB

Parsed size: 86.48 KB

Gzipped size: 14.5 KB

Path: ./node_modules/slick-carousel/slick/slick.js

jquery.matchHeight.js

wp-content

themes

hola

skin

assets

scripts

tabs.js

notice.js

header-search-form.js

events-list.js

match-height.js

cookies.js

contact-form.js

tabs.js

tabs.js

images

tabs.js

tabs.js

tabs.js

BrowserSync

~~Webpack Dev Server~~



Cross Devices
Watching Assets
Watching PHP
Super Fast

WHY WEBPACK?

Personal **Preferences!**

Currently IN

Speed

Code splitting

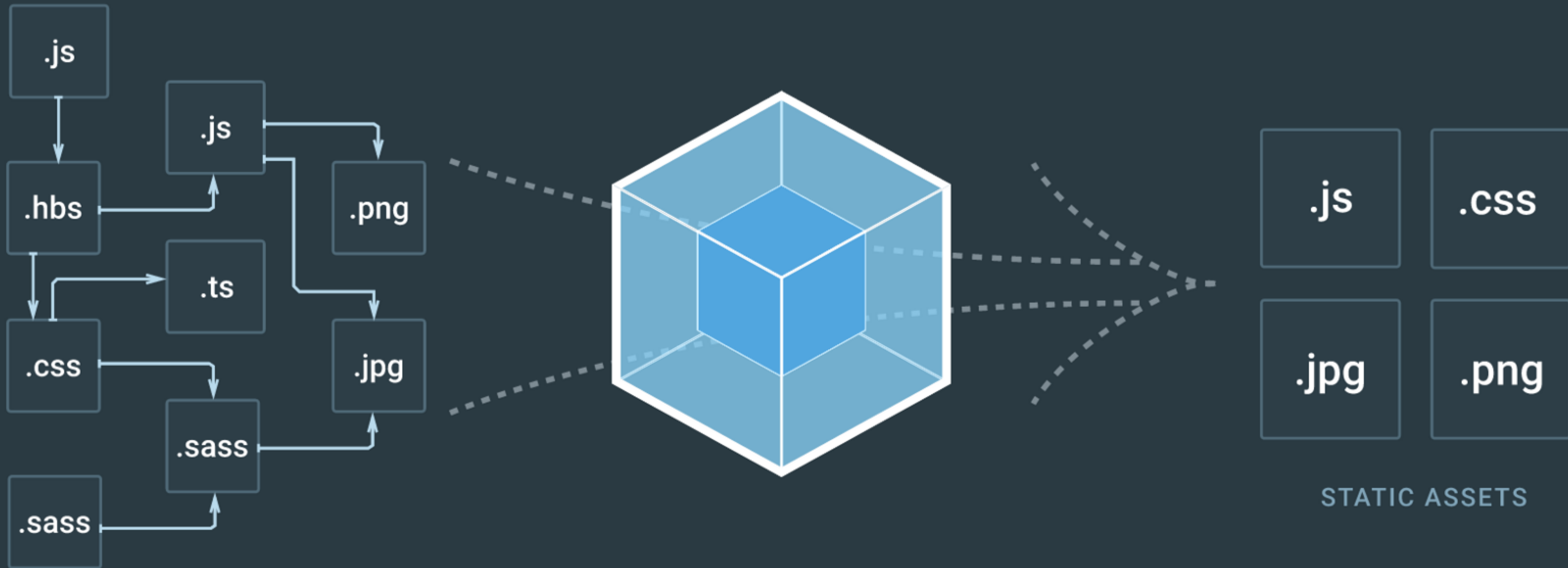
JavaScript

A Lot of Plugins

Easy to Extend

Module bundler

Webpack **build** process



MODULES WITH DEPENDENCIES

Love Hate



Webpack vs Gulp vs Grunt

Comparison

	Webpack	Gulp	Grunt
Definition	Module bundler	Task runner	Task runner
Written in	Node.js	Node.js	Node.js
Monthly downloads	4,582,941	2,796,320	1,895,345
Used by	9GAG, Pinterest, Soundcloud, Flipboard, Airbnb, Udemy, 99	Netflix, FashionUnited, Myntra, MakerBot, AdRoll, Ekimetrics, Trigger,	Twitter, Adobe, jQuery, Mozilla, Bootstrap, Cloudant, Bitovi, Opera,

Require

```
const CleanWebpackPlugin    = require( 'clean-webpack-plugin' );
const ExtractTextPlugin     = require( 'extract-text-webpack-plugin' );
const UglifyJSPlugin        = require( 'uglifyjs-webpack-plugin' );
const BrowserSyncPlugin     = require( 'browser-sync-webpack-plugin' );
const CopyWebpackPlugin     = require( 'copy-webpack-plugin' );
const BundleAnalyzerPlugin = require( 'webpack-bundle-analyzer' ).BundleAnalyzerPlugin;
```

```
const allModules = {
  rules: [
    {
      test: /\. (js|jsx)$/ ,
      use: 'babel-loader' ,
      exclude: /node_modules/
    },
    {
      test: /\.json$/ ,
      use: 'json-loader'
    },
    {
      test: /\. (png|svg|jpg|jpeg|gif|ico)$/ ,
      use: `file-loader?name=${outputImages}`
    },
    {
      test: /\. (eot|otf|ttf|woff|woff2)$/ ,
      use: `file-loader?name=${outputFonts}`
    },
    {
      test: /\.scss$/ ,
      use: ExtractTextPlugin.extract({
        fallback: 'style-loader' ,
        use: ['css-loader' , 'postcss-loader' , 'sass-loader']
      })
    }
  ]
};
```

Loaders For All

```
const proxyUrl = 'dev.boilerplate.com';

const allPlugins = [
  new CleanWebpackPlugin([themeOutput]),
  new ExtractTextPlugin(outputCss),

  // Use BrowserSync For assets
  new BrowserSyncPlugin({
    host: 'localhost',
    port: 3000,
    proxy: proxyUrl,
    files: [
      {
        match: [ 'wp-content/themes/**/*.*.php',
                  'wp-content/plugins/**/*.*.php' ]
      }
    ]
  })

  // Analyse assets
  new BundleAnalyzerPlugin(),

  // Is using vendor files, but preferred to use npm
  new CopyWebpackPlugin([
    {
      from: `${pathTheme}/assets/scripts/vendors`,
      to: `${pathTheme}/public/scripts/vendors`
    }
  ])
];
```

Plugins For Everything

```
const outputJs = 'scripts/[name].js';
const outputCss = 'styles/[name].css';
const outputFile = '[name].[ext]';
const outputImages = `images/${outputFile}`;
const outputFonts = `fonts/${outputFile}`;
```

```
module.exports = [
```

```
  // Theme Skin
```

```
  {
```

```
    context: path.join(__dirname),
```

```
    entry: {
```

```
      application: [themeEntry],
```

```
      applicationAdmin: [themeAdminEntry]
```

```
    },
```

```
    output: {
```

```
      path: themeOutput,
```

```
      publicPath: themePublicPath,
```

```
      filename: outputJs
```

```
    },
```

```
    module: allModules,
```

```
    plugins: allPlugins
```

```
  }
```

```
];
```

Extendable

Assets

CONCLUSION

WordPress + Webpack

Great Fit

A Lot of Benefits

Let's start building WordPress with this awesome tool!

Wp Boilerplate

<https://github.com/infinum/wp-boilerplate>

HELPFUL RESOURCES

webpack.js.org

[webpack-when-to-use-and-why](#)

[gulp-vs-grunt-vs-webpack](#)

[postcss](#)

[browser-sync-webpack-plugin](#)

[wordpress-bem-menu](#)

[infinum-coding-standards-wp](#)



Any questions?

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