

Pon un **task runner**  
en tu vida para  
**automatizar**  
tu flujo de trabajo





- Transcompilar Sass/Less -> CSS
- Automatizar la publicación
  - Eliminar ficheros
  - Concatenar JS, CSS
  - Minificar JS, CSS
  - Optimizar imágenes
  - Copiar archivos

# Module bundler



# Task runner



# Beneficios

- Automatización
- Productividad
- Consistencia

# Grunt

- Automatización de tareas repetitivas
- Curva de aprendizaje pequeña
- Funcionalidad basada en plugins
- Ecosistema enorme: 6500 plugins
- JSON y JavaScript
- Basado en Node.js



# Instalación



# Instalación

```
$ npm install -g grunt-cli
```

# Inicialización

```
$ npm init -y
```

```
$ npm install grunt --save-dev
```

# Inicialización

- |— node\_modules
- |— package.json
- |— package-lock.json

```
{
  "name": "wc-pontevedra-grunt",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "devDependencies": {
    "grunt": "^1.0.4"
  }
}
```



**UNDERScores**

A STARTER THEME FOR WORDPRESS

```
$ git clone
```

```
https://github.com/Automattic/_s.git
```

```
src
```

src

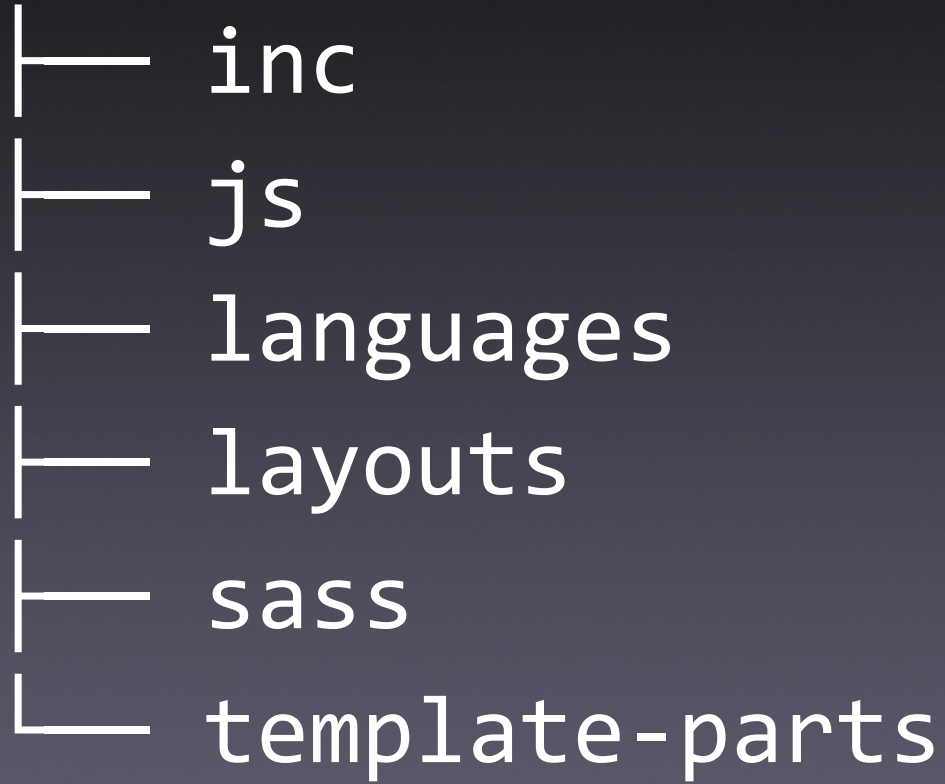
- |— 404.php
- |— archive.php
- |— comments.php
- |— footer.php
- |— functions.php
- |— header.php
- |— index.php
- |— LICENSE
- |— page.php
- |— phpcs.xml.dist

src

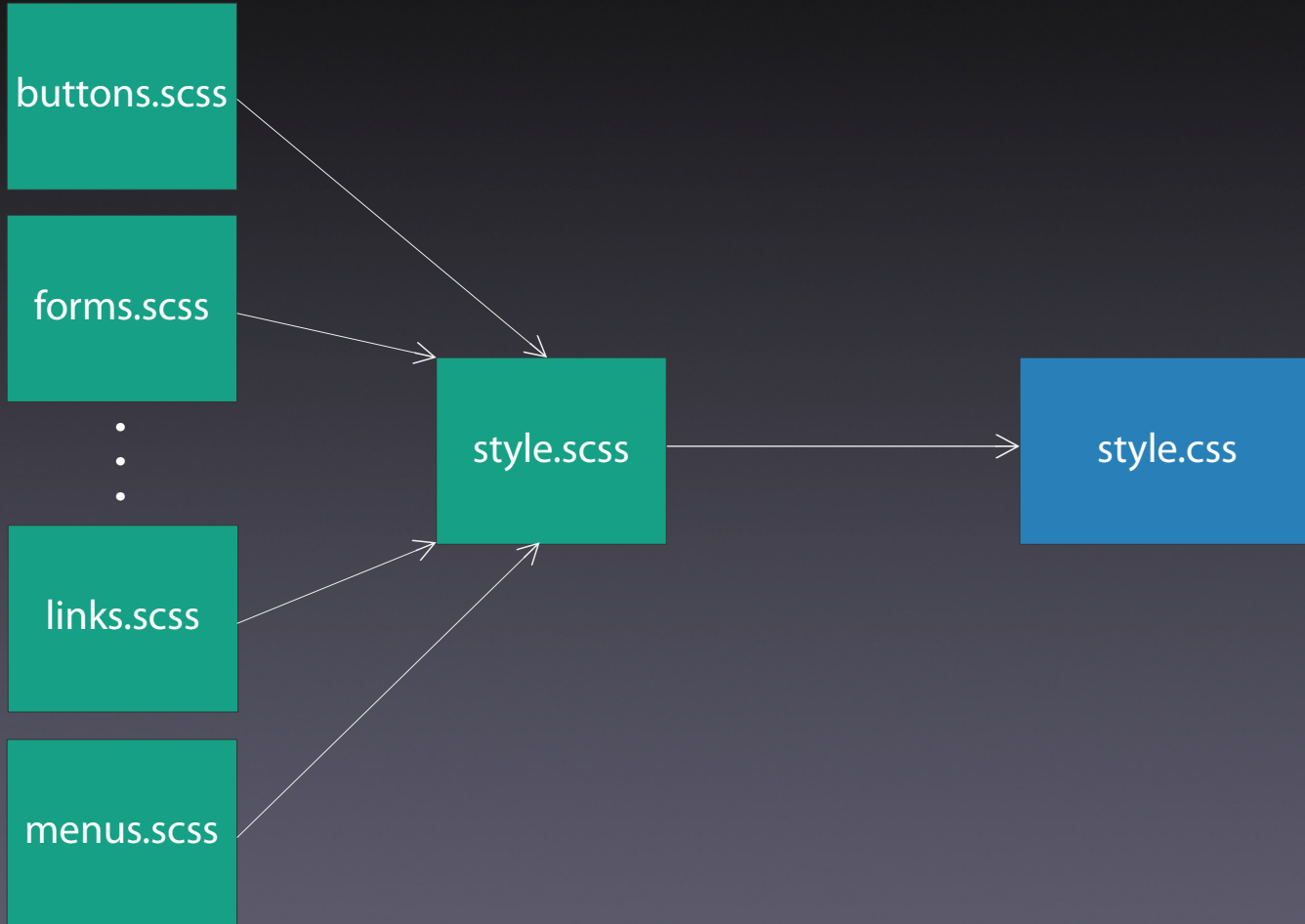
- |— README.md
- |— readme.txt
- |— rtl.css
- |— screenshot.png
- |— search.php
- |— sidebar.php
- |— single.php
- |— style.css
- |— woocommerce.css



src



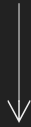
# Transcompilación



```
$primary-color: #808080;  
$primary-bg: #2F4F4F;
```



```
body {  
  color: $primary-color;  
  background: $primary-bg;  
}
```



```
body {  
  color: #808080;  
  background: #2F4F4F;  
}
```

# Sass

```
$ npm install grunt-contrib-sass  
--save-dev
```

```
$ touch Gruntfile.js
```

```
module.exports = function (grunt) {
  grunt.initConfig({
    sass: {
      dev: {
        files: {
          'src/style.css': 'src/sass/style.scss'
        }
      }
    }
  });
  grunt.loadNpmTasks('grunt-contrib-sass');
}
```

# Sass

```
$ grunt sass:dev
```

Vigilante



# Vigilante

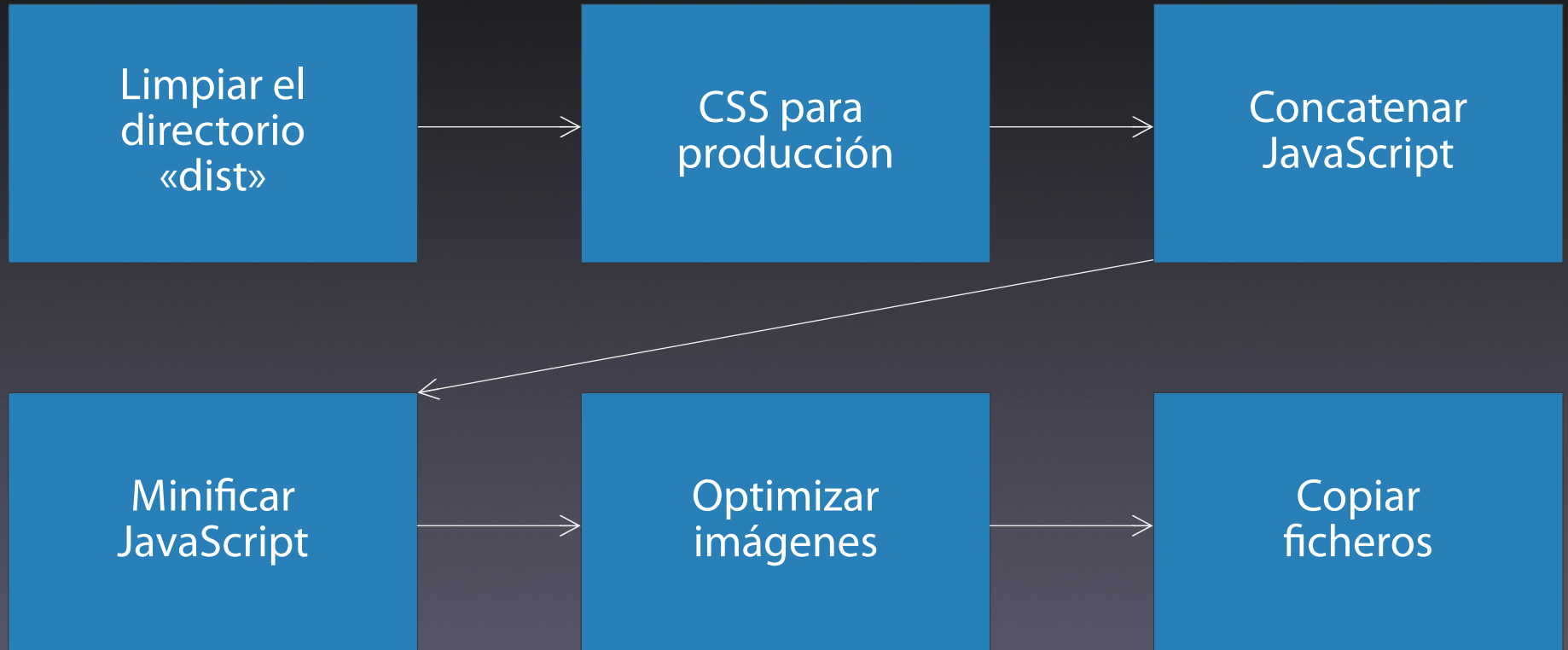
```
$ npm install grunt-contrib-watch  
--save-dev
```

```
module.exports = function (grunt) {
  grunt.initConfig({
    sass: {
      dev: {
        files: {
          'src/style.css': 'src/sass/style.scss'
        }
      }
    },
    watch: {
      sass: {
        files: ['src/sass/**/*.scss'],
        tasks: ['sass:dev'],
      }
    }
  });
  grunt.loadNpmTasks('grunt-contrib-sass');
  grunt.loadNpmTasks('grunt-contrib-watch');
}
```

# Vigilante

```
$ grunt watch:sass
```

Publicación



1

Limpier

# Limpiaar

```
$ npm install grunt-contrib-clean  
--save-dev
```

```
clean: {  
  dist: {  
    src: ['dist/*']  
  }  
}  
});  
grunt.loadNpmTasks('grunt-contrib-clean');
```



# Limpiaar

```
$ grunt clean:dist
```

2

# CSS para producción

```
sass: {
  dev: {
    files: {
      'src/style.css': 'src/sass/style.scss'
    }
  },
  dist: {
    options: {
      style: 'compressed',
      sourcemap: 'none',
    },
    files: {
      'dist/style.css': 'src/sass/style.scss'
    }
  }
}
```

```
grunt.loadNpmTasks('grunt-contrib-sass');
```

# CSS para producción

```
$ grunt sass:dist
```

3

Concatenar  
archivos

# Concatenar archivos

```
$ npm install grunt-contrib-concat  
--save-dev
```

```
concat: {
  options: {
    separator: ';',
  },
  js: {
    src: ['src/js/*.js', '!src/js/built.js'],
    dest: 'src/js/built.js',
  },
},

});

grunt.loadNpmTasks('grunt-contrib-concat');
```

# Concatenar archivos

```
$ grunt concat:js
```



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# Minificar JavaScript

# Minificar JavaScript

```
$ npm install grunt-contrib-uglify  
--save-dev
```

```
uglify: {  
  dist: {  
    files: {  
      'dist/js/built.js': ['src/js/built.js']  
    }  
  }  
},  
));
```

```
grunt.loadNpmTasks('grunt-contrib-uglify');
```

# Minificar JavaScript

```
$ grunt uglify:dist
```

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# Optimizar imágenes

# Optimizar imágenes

```
$ npm install grunt-contrib-imagemin  
--save-dev
```

```
    imagemin: {
      dist: {
        files: [{
          expand: true,
          cwd: 'src/',
          src: ['**/*.{png,jpg,gif}'],
          dest: 'dist/'
        }]
      }
    },
  });

grunt.loadNpmTasks('grunt-contrib-imagemin');
```

# Optimizar imágenes

```
$ grunt imagemin:dist
```



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Copiar  
archivos

# Copiar archivos

```
$ npm install grunt-contrib-copy  
--save-dev
```

```
copy: {  
  dist: {  
    expand: true,  
    cwd: 'src/',  
    src: ['**/*.php', '**/*.mo', 'LICENSE'],  
    dest: 'dist/',  
  },  
},  
});
```

```
grunt.loadNpmTasks('grunt-contrib-copy');
```

# Copiar archivos

```
$ grunt copy:dist
```

Todo  
junto

# Todo junto

```
$ grunt clean:dist sass:dist  
concat:js uglify:dist  
imagemin:dist copy:dist
```

```
grunt.registerTask('distribucion',  
  ['clean:dist', 'sass:dist',  
    'concat:js', 'uglify:dist',  
    'imagemin:dist', 'copy:dist']);  
  
grunt.registerTask('default', 'watch:sass');
```

# Más tareas

- Recarga automática del navegador
- Análisis estático (Lint): PHP y JavaScript
- Ejecución de tests
- Despliegue automático al servidor





jesus@jesusamieiro.com

