

# Getting Started with Gulp



John Papa

@john\_papa | [www.johnpapa.net](http://www.johnpapa.net)

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# Getting the Starter Code

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# Starter Code



<https://github.com/johnpapa/pluralsight-gulp>

```
$ git clone https://github.com/johnpapa/pluralsight-gulp.git
```

## Get the code

1. Clone it or ...
2. Fork it and clone it or ...
3. Download it

# Getting Node.js

## OSX

- Install Homebrew
  - <http://brew.sh/>

```
$ brew install node
```

## Windows

- Install Chocolatey
  - <https://chocolatey.org/>

```
choco install nodejs  
choco install nodejs.install
```

On OSX  
you can alleviate the need to run as sudo by  
following these instructions

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<http://jpapa.me/nomoresudo>

For developer machines, this moves npm packages to a folder that doesn't require administrator permissions.

This allows you to type  
`npm install -g package-name`  
instead of  
`sudo npm install -g package-name`

# Tips for Node on Windows

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<http://jpapa.me/winnode>

# Don't Worry, All Instructions are Found Here



<https://github.com/johnpapa/pluralsight-gulp>



# Installing the Gulp CLI



Install packages for CLI globally

`npm install -g package-name`

# What's NPM?

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NPM

No Package Misplaced

[www.npmjs.com](http://www.npmjs.com)

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# NPM

Node People Magic

[www.npmjs.com](http://www.npmjs.com)

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NPM

Never Program Mad

[www.npmjs.com](http://www.npmjs.com)

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NPM

Noiseless Party Machine

[www.npmjs.com](http://www.npmjs.com)

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NPM



Nutella Peanut-Butter Marshmallow

[www.npmjs.com](http://www.npmjs.com)

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# NPM

## Package Manager

[www.npmjs.com](https://www.npmjs.com)





# Gulp in a Nutshell



# Knowing the Major Players



gulp

Task runner



npm

JavaScript Packages



bower

Client JavaScript  
Packages

```
$ npm install -g gulp bower
```

We'll be needing the CLI for both of these

## Install Gulp and Bower

-g is a global install

Enables Gulp's and Bower's command line interfaces (CLI)

# Installing Packages Locally, for a Project



Install packages for a specific project locally

```
npm install --save-dev package-name
```

```
$ npm install gulp --save-dev
```

Installs gulp local for a project

## Install Gulp Locally

`--save-dev` saves it to devDependencies in package.json

`--save` saves it to dependencies in package.json

Be in the right project folder!

`npm install`

# package.json

Gulp is your 1<sup>st</sup> item in devDependencies

Inside the package.json file

```
"devDependencies": {  
  "gulp": "^3.8.10"  
}
```

# Difference Between Package Dependencies

Use dev dependencies for Gulp

## dependencies

- Needed at run-time
- Examples:
  - Express, Angular, Bootstrap
- Code
  - `npm install --save`
  - `bower install --save`

## devDependencies

- Needed during development
- Examples:
  - Concat, JSHint, Uglify
- Code
  - `npm install --save-dev`
  - `bower install --save-dev`



# Create a Gulpfile.js



Load your packages/plugins  
Defines your tasks

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# A Little Bit of Node.js with `require`

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```
var gulp = require('gulp');
```

`var variable = require( module )`

Obtain a node module

Use `require` to reference gulp

```
gulp.task('hello-world', function() {  
    console.log('Our first gulp task!');  
});
```

## Gulp task

Writes to the console

Execute by typing `gulp hello-world`



Ready for Gulp!

# Recap

Git

Brew/Chocolatey

npm install -g

npm install -save-dev

gulp.task

Starter code

Installed Node.js

Global packages

Local packages

“Hello World” task

