Getting Started with Gulp



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Getting the Starter Code

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/

Windows

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

```
$ brew install node
```

choco install nodejs
choco install nodejs.install

On OSX

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

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

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?

No Package Misplaced

Node People Magic

Never Program Mad

Noiseless Party Machine



Nutella Peanut-Butter Marshmallow

Package Manager



Gulp in a Nutshell

Install Gulp globally

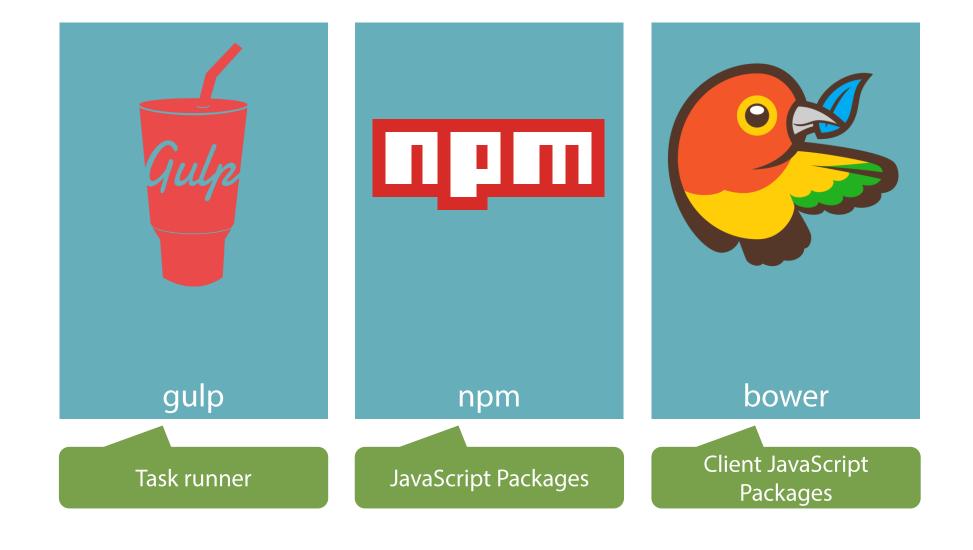
Install dependent packages

Code your task

Execute the task



Knowing the Major Players



\$ 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 1st 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

A Little Bit of Node.js with require

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 the 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

