Annotations and Code Analysis via Gulp Task Automation

John Papa
http://johnpapa.net
Twitter: @john_papa

pluralsight
hardcore developer training

At a Glance

Task Automation	**Annotations**
Gulp	**Code Analysis**
Quick Setup	**JSHint**

The Value of Task Automation

What's in it for You?

Improve quality

Deliver faster

Repeatable / Consistent

Grunt

JavaScript
Task Runners

Gulp

How Are They different ?

Configuration over code

File based

Code over configuration

Stream based

Setting Up Gulp

Coding with streams

Before You Begin

Download & install node.js

http://nodejs.org

Install globally (run from any path)

May require running with admin (sudo on OSX)

```
npm install gulp -g
```

Gulp in a Nutshell

1 **Install gulp globally**

2 **Create package file**

3 **Install dependent packages**

4 **Code your tasks in gulpfile.js**

5

Create package.json File

Prompts you for author, package name, and basics

Install Gulp Locally

`npm install gulp --save-dev`

--save-dev
is for
development

--save
is for
production

Installing Package Dependencies

```
npm install gulp-ng-annotate gulp-jshint --save-dev
```

package.json Manages Dependencies

```json
"devDependencies": {
  "glob": "^4.0.4",
  "gulp-concat": "^2.3.3",
  "gulp-uglify": "^0.3.1",
  "gulp-jshint": "^1.7.1",
  "jshint-stylish": "^0.1.5",
  "gulp": "^3.8.7",
  "gulp-ng-annotate": "^0.3.0"
}
```

Efficiency Through Tooling

Improve quality

Deliver faster

Repeatable / Consistent

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Resources

Node.js http://nodejs.org

Gulp http://gulpjs.com

Grunt http://gruntjs.com

ngAnnotate https://github.com/olov/ng-annotate

JSHint Options http://www.jshint.com/docs/options/