

Code Analysis with JSHint and JSCS



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JSHint and JSCS



<http://jshint.com/docs/>

JavaScript Code Analysis

Detect errors and potential problems



JavaScript Code Style Checker

Enforcing your style guide

<http://catatron.com/node-jscs/>

Rules Files



Define your JSHint and JSCS rules

`.jshintrc`

`.jscsrc`



JSHint and JSCS
Support Thrives in Many
Development Tools



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

Installs jshint and jscs local for a project

Install JSHint and JSCS Locally

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

A Little More Node.js with `require`

```
var jshint = require('gulp-jshint');  
var jscs = require('gulp-jscs');
```

`var variable = require(module);`

Use `require` to reference the gulp plugins

Pipe the stream through `jscs` and `jshint`

JSHint

JSCS
-- ^

Gulp Plugins

```
$ npm install --save-dev yargs gulp-load-plugins gulp-if  
gulp-print jshint-stylish gulp-util
```

Installing npm packages locally

Gulp plugins

Node modules

We are not limited to gulp plugins!

Take Advantage of JavaScript

Gulp Tasks

Great and powerful

JavaScript
Functions

Opens the doors to reusable logic
between Gulp tasks

Configuration Module

gulp.config.js

Reusability

Paths

Globs

Settings

```
module.exports = function() {  
  var config = {  
    /**  
      * File paths  
      */  
  
    // all javascript to vet  
    alljs: [  
      './src/**/*.js',  
      './*.js'  
    ]  
  };  
  
  return config;  
};
```

It's just JavaScript

Recap

Plugins	Define what tasks do
Node	Not limited to Gulp packages
Functions	Reusing logic
Config	Extendability

