

Testing



John Papa

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The Testing Landscape



Automate a test runner

Code coverage

Automatically run tests during development

Run server integration tests

Run tests in the browser

Automated JavaScript Test Runner



Karma and Testing Frameworks

QUnit

Jasmine

Mocha

Test Runner

Single Run

- Runs once and done
- Can fail a build
- Great for Continuous Integration (CI)

Always Watching

- Runs and stays alive
- Watches file changes
- Re-runs the tests

```
npm install --save-dev karma karma-chai karma-chai-sinon  
karma-chrome-launcher karma-coverage karma-growl-reporter  
karma-mocha karma-phantomjs-launcher karma-sinon mocha  
mocha-clean sinon-chai sinon phantomjs
```

Karma and Related Testing Packages

Karma

Mocha and Chai

PhantomJS

Sinon

More About Testing



 K A R M A



Jasmine
Sinon.JS

<https://github.com/johnpapa/angularjs-styleguide#testing>

Recap

karma

Automate a test runner

karma-coverage

Code coverage

Watches

File changes run tests

Coming up next !

child_process

Run server integration tests

Alternative Runners

Run and syncs tests in the browser

