

Empezando un Proyecto con Angular 4

Abril, 2017



Mauricio De La Quintana



Acerca de Mi

- Apasionado por el Desarrollo web
- Participante de hackatones
- Emprendedor (lighpath)
- Freelancer





Que es Angular?

Problemas Comunes

Performance

Multiplataforma

Dynamic

Soporte

De Framework a Platform

i18n

CLI

Language
Services

Augury

Animation

Material

Mobile

Universal

Router

Compile

Change

Render

Lo nuevo

- Componentes mas ligeros.
- Angular Universal esta en el core de angular.
- Soporte de angular 2.



Conceptos previos

- Typescript
- ES6
- Javascript
- NodeJS (npm or yarn)
- Webpack

Conceptos Clave

Data Binding

Modules

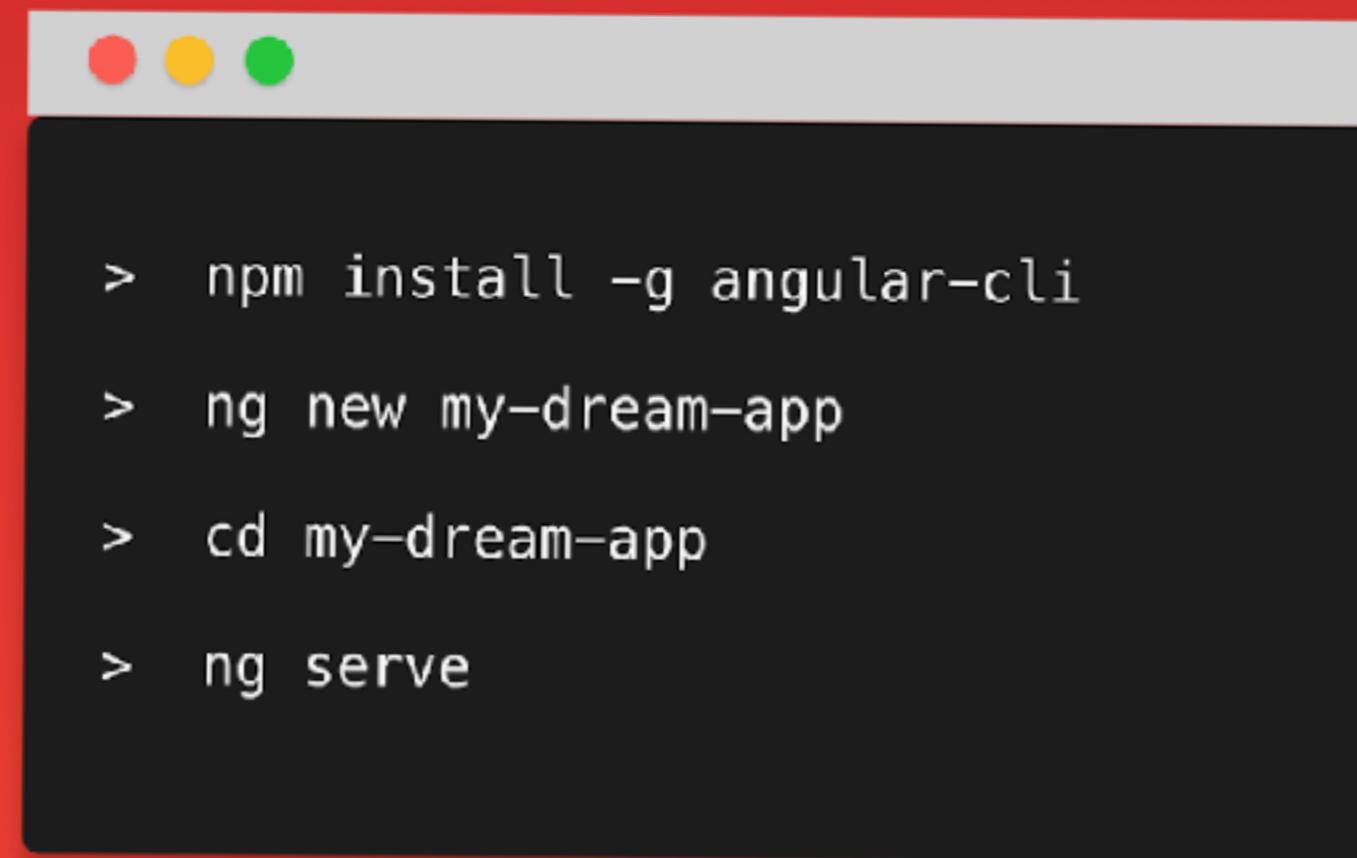
Structural Directives

Components

Services

Templates

Dependency Injection

A screenshot of a Mac OS X terminal window. The title bar shows the standard red, yellow, and green buttons. The main pane contains the following text:

```
> npm install -g angular-cli  
> ng new my-dream-app  
> cd my-dream-app  
> ng serve
```

Angular CLI

A command line interface for Angular

[GET STARTED](#)

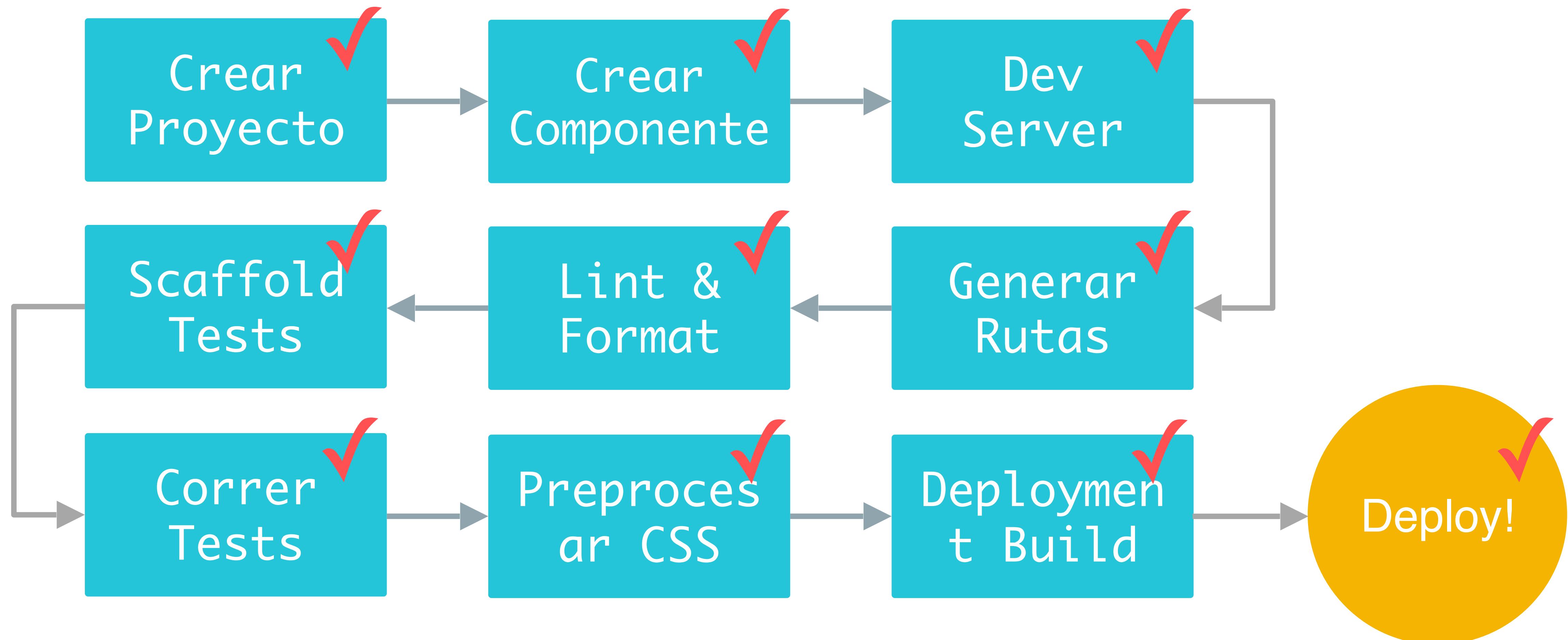
ng new

The Angular2 CLI makes it easy to create an application that already works, right out of the box. It already follows Angular best practices!

ng generate

Generate components, routes, services and pipes with a simple command. The CLI will also create simple test shells for all of these.

Como funciona: Angular CLI



Unit Testing



e2e Testing



Jasmine

- Framework for testing JavaScript code.
- Clean syntax to write tests.

Karma

- Fast way to test code functionality and integrity
- Code Coverage Report.
- Able to work with CI.

Unit Tests

- Fast way to test code functionality and integrity
- Code Coverage Report.
- Able to work with CI.

e2e Tests

- Test not only code.
- Able to test interaction.

Herramientas



Material Design

1 Material Metaphor

Material is the metaphor

A material metaphor is the
unifying theory of a rationalized
space and a system of motion.

Our material is grounded in
tactile reality, inspired by our

study of paper and ink, yet open
to imagination and magic.

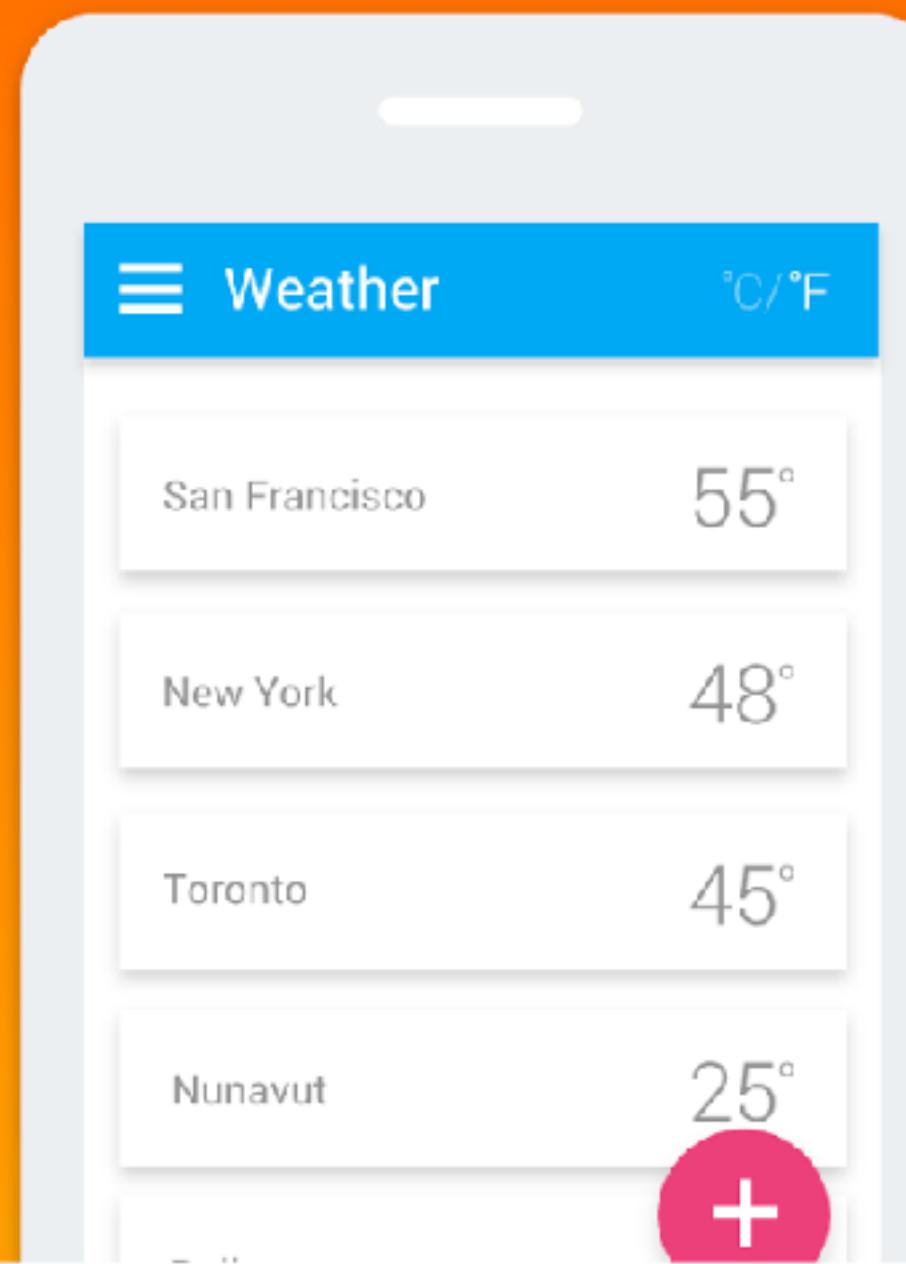
2 Tangible Space

1

Angular Material

Material Design components for Angular apps

[GET STARTED](#)



Angular Mobile Toolkit

All the tools and techniques to build high-performance mobile apps

[GET STARTED](#)

Performance of native, discoverability of the Web

The Angular Mobile Toolkit makes it easy to build snappy Web apps that load instantly on any device, even without an internet connection. Take advantage of the searchability, shareability, and no-install-required-ability of the Web without compromise.

Automatic Progressive Web Apps

Build Progressive Web Apps with ease using Angular CLI and Angular Mobile Toolkit. Plugins and

Iniciando un Proyecto





Angular Augury

A Google Chrome Dev Tools extension
for debugging Angular 2 applications.

[GET STARTED](#)

Visual Interface

Helps Angular 2.0 developers visualize the application through component trees, and visual debugging tools.

The screenshot shows a web page with two text inputs. The top input contains "just kidding bye!" and the bottom input contains "Message: Hi from John!!". To the right, the Chrome DevTools sidebar is open with the "Augury" tab selected. The "Component Tree" tab is active, displaying a hierarchical tree of components. At the top of the tree is a blue circle labeled "Home". Below it are four red circles: "InputOutput", "MyForm", and "Form2", which are all connected to the "Home" node. A blue circle labeled "AuxComp" is also present at the bottom right of the tree structure.

Optimizing Performance

SystemJS/
Webpack

Template
Compiler

Angular
Universal

Web
Workers

Service
Workers

Multiplataforma

Angular
Mobile
PWA

IONIC 2

Native
Script

React
Native



Lo que pensamos que hicimos



Lo que hicimos en realidad



Lo que quieren los usuarios

Thank You !