IONIC: introducción

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Find out more

¿Qué es?

- Es un framework (marco) de desarrollo de aplicaciones móviles híbridas para **Android, IOS y WIN.**
- Ventajas: con un mismo código desarrollas para los tres sistemas mencionados anteriormente. La última versión se adapta a las UI de los sistemas anfitriones.
- **Desventajas:** Funciona a partir de webviews. Lo cual supone una desventaja, siempre corre sobre esa tecnología, lo que a veces hace que tenga lags o pequeños cuelgues.

NATIVE APP QUICK WINS

Native UI allows users to quickly learn the app

Easy to discover in app stores (Apple's App Store, Play Store)

Access to device hardware/software (GPS, location, shake, calendar, etc.)

Better user experience

HYBRID APP QUICK WINS

Portability (one code base, multiple platforms)

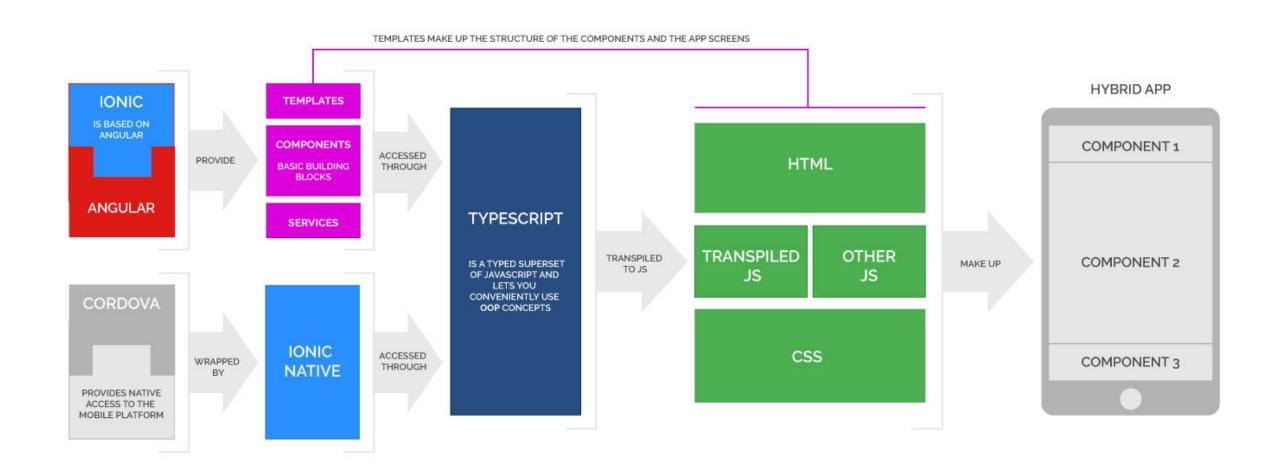
Access to various hardware/software capabilities (through plug-ins)

Cheaper origination costs

Faster (initial) speed to market



A BIRD'S EYE VIEW OF IONIC AND RELATED TECHNOLOGIES



Angular y Ionic

Incorpora parte del lenguaje Angular, lo usaremos de manera directa o indirecta durante el desarrollo.

Typescript, variables, librerías, módulos, componentes, imports, providers, decoradores, directivas entre otros son elementos comunes que tiene Angular con Ionic, por lo que si entiendes Angular avanzarás más rápido.



Ingredientes

- Java JDK 8
- Python 2.7
- Node.js == 8.4.9 y npm 5.6.0 (node –v , npm -v)
- Android studio (última versión, con paquetes actualizados y versión Android >= 7.0.0 (AVD, casi no lo utilizo, muy lento)
- Angular CLI: 1.6.5 (ng v)
- Ionic 3.19.1 (ionic v)
- Editor tipo Atom
- Móvil Android >= 7.0.0 para debug
- Cable de datos

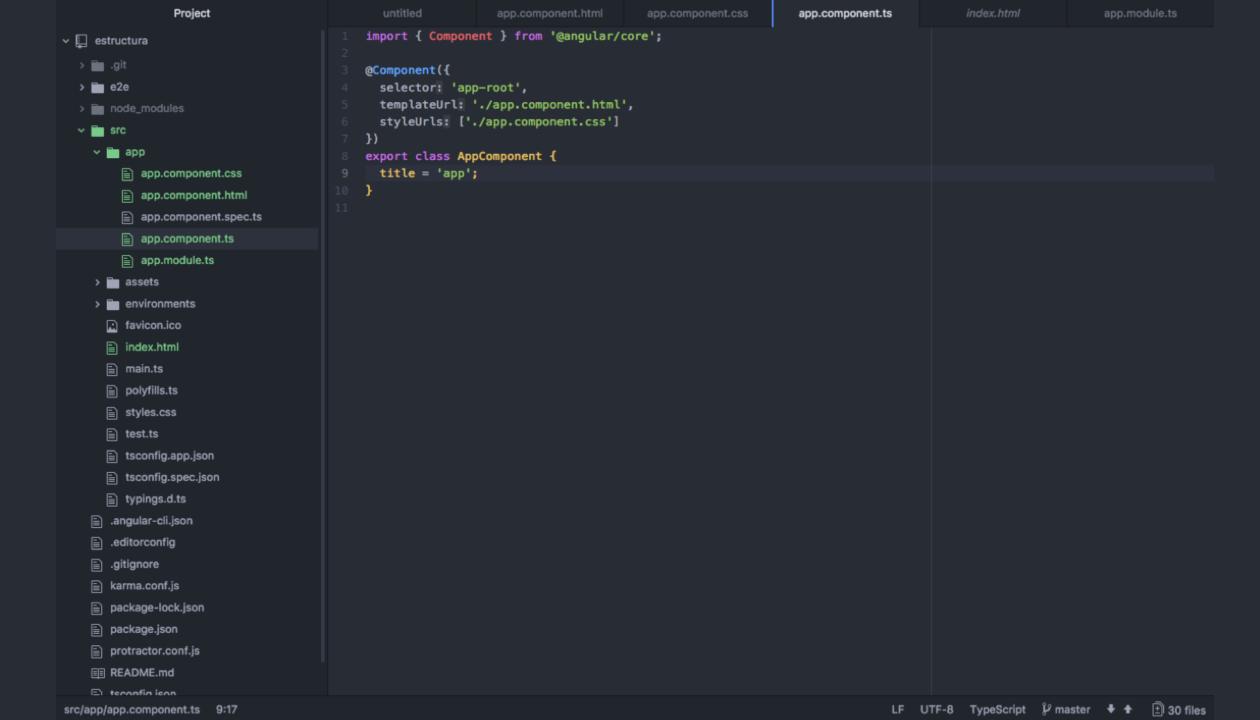


Instalación



Estructura

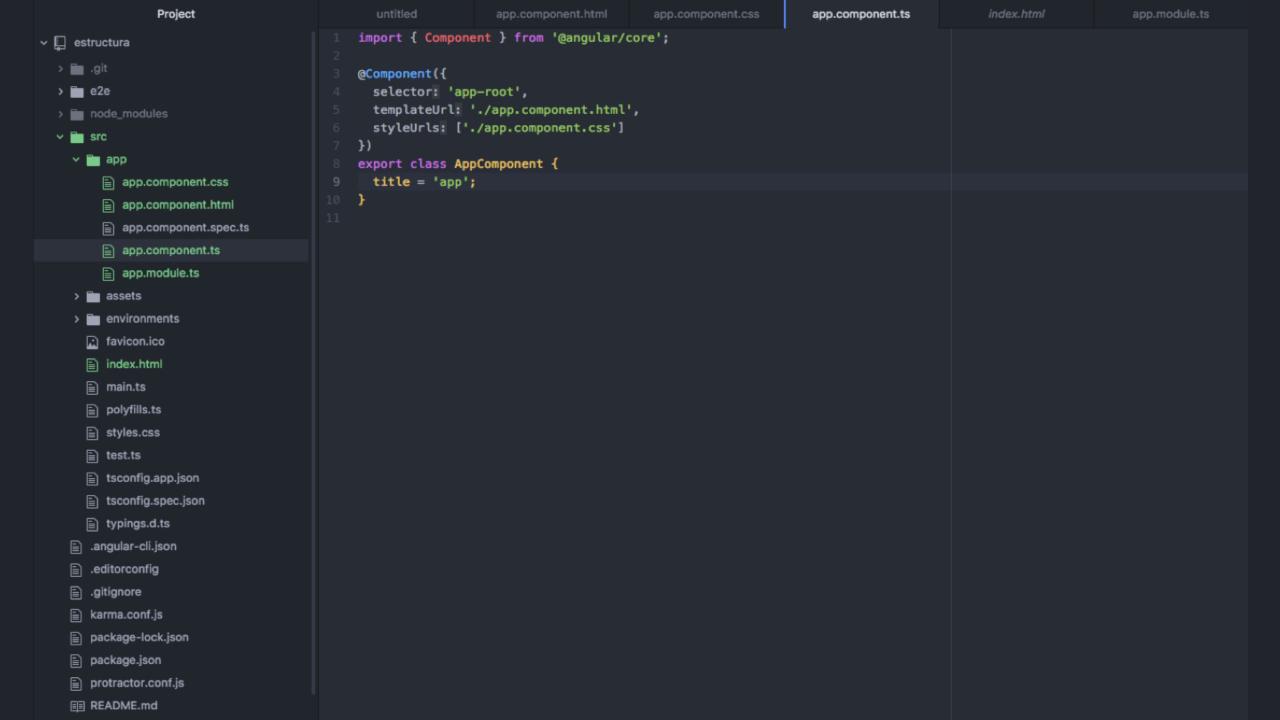
Módulos, componentes, html, css



Project ∨ □ estructura > 🛅 .git > **=** e2e > node_modules → im src v 🛅 app app.component.css app.component.html app.component.spec.ts app.component.ts app.module.ts > assets > environments favicon.ico index.html main.ts polyfills.ts styles.css test.ts tsconfig.app.json tsconfig.spec.json typings.d.ts angular-cli.json .editorconfig gitignore karma.conf.js package-lock.json package.json E) protroctor conf in

```
import { BrowserModule } from '@angular/platform-browser';
import { NgModule } from '@angular/core';
import { AppComponent } from './app.component';
@NgModule({
  declarations: [
    AppComponent
  imports: [
    BrowserModule
  providers: [],
  bootstrap: [AppComponent]
})
export class AppModule { }
```

app.module.ts



Project	untitled	app.component.html	app.component.css	app.component.ts	index.html	app.module.ts
 y ☐ estructura y ☐ git y ☐ e2e y ☐ node_modules y ☐ src y ☐ app ☐ app.component.css ☐ app.component.html ☐ app.component.spec.ts ☐ app.component.ts ☐ app.module.ts 	9 <link 10="" <="" head="" rel="ica"/> 11 <body> 12 <app-root> 14 </app-root></body>	="utf-8"> tura '> iewport" content="widton" type="image/x-icon				
> 🛅 assets	15					
> environments favicon.ico						
index.html						
main.ts polyfills.ts styles.css test.ts teconfig.app.json tsconfig.spec.json typings.d.ts angular-cli.json editorconfig g.gitignore karma.conf.js package-lock.json protractor.conf.js						

angular-cli.json

```
Project
                                                                                                                                 .angular-cli.json
                                                                                                                                                       app.module.ts
> 💼 .git
                                            "$schema": "./node_modules/@angular/cli/lib/config/schema.json",
> = e2e
                                            "project": {
> node_modules
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→ im src

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  v 🛅 app
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  protractor.conf.js
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  README.md
                                            "lint": [
  tsconfig.json
```

Typescript

• Traspilar

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