



Instalación y Comandos

Angular2



Primeros pasos:

- a. - Instalación Nodejs (instala el módulo npm)
- b. - Instalación Angular CLI → `npm install -g angular-cli`
- c. - Instalación global de TypeScript → `npm install -g typescript`
- d. - Instalar Angular2 → `npm init #` (completar información), `npm install angular2 --save`
- e. - Instalar Bootstrap → `npm install bootstrap --save`
en el style --> `@import url('../node_modules/bootstrap/dist/css/bootstrap.min.css');`





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Comando: Crear Nuevo Proyecto

- ng new myApp

Options:

- dry-run (-d) run through without making any changes
- skip-install (-si) skip installing packages
- skip-git (-sg) skip initializing a git repository
- directory (-dir) the directory name to create the app in
- source-dir (-sd) the name of the source directory
- style the style file default extension
- prefix (p) the prefix to use for all component selectors
- routing flag to indicate whether to generate a routing module
- inline-style (is) flag to indicate if the app component should have an inline style
- inline-template (it) flag to indicate if the app component should have an inline template





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Comando: Lanzar el server

- ng serve

Options:

- watch (-w) rebuild when files change
- port (-p) port to serve the application on
- host (-H) host where to listen
- proxy-config (-pc) proxy configuration file
- live-reload (-lr) flag to turn off live reloading
- live-reload-client specify the URL that the live reload browser client will use
- ssl flag to turn on SSL
- ssl-key path to the SSL key
- ssl-cert path to the SSL cert
- open (-o) opens the app in the default browser
- hmr use hot module reload





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Comando: Continuación ng serve options

- target (-t) define the build target
- environment (-e) defines the build environment
- prod flag to set build target and environment to production
- dev flag to set build target and environment to development
- output-path (-po) path where output will be placed
- aot flag whether to build using Ahead of Time compilation
- sourcemap (-sm) output sourcemaps
- vendor-chunk (-vb) use a separate bundle containing only vendor libraries
- base-href (-bh) base url for the application being built
- deploy-url (-d) url where files will be deployed
- verbose (-v) adds more details to output logging
- progress (-pr) log progress to the console while building
- extract-css (-ec) extract css from global styles onto css files instead of js ones
- output-hashing define the output filename cache-busting hashing mode
- poll enable and define the file watching poll time period (milliseconds)





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Comando: Crear una clase

- ng g class

Options

--spec specifies if a spec file is generated





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Comando: Crear un componente

- ng g component

Options

- flat flag to indicate if a dir is created
- inline-template (-it) specifies if the template will be in the ts file
- inline-style (-is) specifies if the style will be in the ts file
- prefix specifies whether to use the prefix
- spec specifies if a spec file is generated
- view-encapsulation (-ve) specifies the view encapsulation strategy
- change-detection (-cd) specifies the change detection strategy
- skip-import allows for skipping the module import
- module (-m) allows specification of the declaring module
- export specifies if declaring module exports the component





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Comando: Crear una directiva

- ng g directive [name]

Options

- flat flag to indicate if a dir is created
- prefix specifies whether to use the prefix
- spec specifies if a spec file is generated
- skip-import allows for skipping the module import
- module (-m) allows specification of the declaring module
- export specifies if declaring module exports the directive





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Comando: Generar un enumerado

- ng g enum [name]





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Comando: Generar a guard

- ng g guard

Options

- flat flag to indicate if a dir is created
- spec specifies if a spec file is generated
- module (-m) allows specification of the declaring module





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Comando: Generar una interface

- ng g interface / ng generate interface [name] <type>





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Comando: Generar un modulo

- ng g module [name]

Options

- flat flag to indicate if a dir is created
- spec specifies if a spec file is generated
- routing specifies if a routing module file should be generated





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Comando: Generar un pipe

- ng g pipe [name]

Options

- flat flag to indicate if a dir is created
- spec specifies if a spec file is generated
- skip-import allows for skipping the module import
- module (-m) allows specification of the declaring module
- export specifies if declaring module exports the pipe





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Comando: Generar un servicio

- ng g service [name]

Options

- flat flag to indicate if a dir is created
- spec specifies if a spec file is generated
- module (-m) allows specification of the declaring module





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Comando: Generar rutas

- ng g route [name]





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Comando: Comprobar la sintaxis

- ng lint





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Comando: Inicializar un proyecto

- ng init [name]





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Comando: Compilar el desarrollo

- ng build (sera creado en la carpeta dist)

Se puede especificar el entorno → (--target=production or --target=development), se puede usando .angular-cli.json

```
"environmentSource": "environments/environment.ts",  
"environments": {  
  "dev": "environments/environment.ts",  
  "prod": "environments/environment.prod.ts"  
}
```

O mediante el uso de la opciones.





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Comando: Compilar el desarrollo

```
ng build --target=production --environment=prod  
ng build --prod --env=prod  
ng build --prod  
# and so are these  
ng build --target=development --environment=dev  
ng build --dev --e=dev  
ng build --dev
```





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Comando: Compilar el desarrollo

Options

- watch (-w) rebuild when files change
- target (-t) define the build target
- environment (-e) defines the build environment
- prod flag to set build target and environment to production
- dev flag to set build target and environment to development
- output-path (-op) path where output will be placed
- aot flag whether to build using Ahead of Time compilation
- sourcemap (-sm) output sourcemaps
- vendor-chunk (-vb) use a separate bundle containing only vendor libraries
- base-href (-bh) base url for the application being built





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Comando: Compilar el desarrollo

Options II

- deploy-url (-d) url where files will be deployed
- verbose (-v) adds more details to output logging
- progress (-pr) log progress to the console while building
- extract-css (-ec) extract css from global styles onto css files instead of js ones
- output-hashing define the output filename cache-busting hashing mode
- stats-json generates a stats.json file which can be analyzed using tools such as: webpack-bundle-analyzer or <https://webpack.github.io/analyse>
- poll enable and define the file watching poll time period (milliseconds)





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Comando: Ejecuta tu app y genera el webpack y scripts

- ng eject

Options

- aot Build using Ahead of Time compilation.
- app (-a) Specifies app name to use.
- base-href (-bh) Base url for the application being built.
- deploy-url (-d) URL where files will be deployed.
- environment (-e) Defines the build environment.
- extract-css (-ec) Extract css from global styles onto css files instead of js ones.
- force Overwrite any webpack.config.js and npm scripts already existing.
- i18n-file Localization file to use for i18n.
- i18n-format Format of the localization file specified with --i18n-file.





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Comando: Ejecuta tu app y genera el webpack y scripts Continuación Options

Options

- locale Locale to use for i18n.
- output-hashing (-oh) Define the output filename cache-busting hashing mode. Possible values: none, all, media, bundles
- output-path (-op) Path where output will be placed.
- poll Enable and define the file watching poll time period (milliseconds) .
- progress (-pr) Log progress to the console while building.
- sourcemap (-sm, --sourcemaps) Output sourcemaps.
- target (-t, -dev, -prod) Defines the build target.
- vendor-chunk (-vc) Use a separate bundle containing only vendor libraries.
- verbose (-v) Adds more details to output logging.
- watch (-w) Run build when files change.





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Comando: Test de angular

- ng test

Options

- watch (-w) flag to run builds when files change
- browsers override which browsers tests are run against
- colors enable or disable colors in the output (reporters and logs)
- log-level level of logging
- port port where the web server will be listening
- reporters list of reporters to use
- build flag to build prior to running tests
- poll enable and define the file watching poll time period (milliseconds)





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Comando: Test de angular end-to-end

- ng e2e

Options

--config (-c) use a specific config file. Defaults to the protractor config file in .angular-cli.json.

--specs (-sp) override specs in the protractor config. Can send in multiple specs by repeating flag (ng e2e --specs=spec1.ts --specs=spec2.ts).

--element-explorer (-ee) start Protractor's Element Explorer for debugging.

--webdriver-update (-wu) try to update webdriver.

--serve (-s) compile and serve the app. All non-reload related serve options are also available (e.g. --port=4400).





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Algunos Enlaces

<https://cli.angular.io/>

<https://angular.io/>

<http://getbootstrap.com/>

<https://nodejs.org/es/>

<https://www.npmjs.com>

