

31 - Herramienta Angular CLI

Una herramienta fundamental cuando desarrollamos proyectos es la aplicación Angular CLI, que la hemos utilizado desde el primer día.

Hemos visto que Angular CLI nos permite entre otras cosas:

- Crear una aplicación de Angular (ng new proyecto001)
- Ejecutar una aplicación Angular en forma local (ng serve -o)
- Crear componentes (ng generate component dado)
- Crear servicios (ng generate service articulos)
- Crear tuberías (ng generate pipe letras)
- Desplegar aplicaciones en producción (ng build)

Debe tener siempre a mano la página que contiene la documentación oficial de [Angular CLI](#).

Recordemos que en el primer concepto de este curso lo primero que hicimos luego de instalar Node.js es la instalación de Angular CLI mediante el comando:

```
npm install -g @angular/cli
```

Comandos útiles de Angular CLI

- Para conocer todos los comandos disponibles de la herramienta Angular CLI debemos ejecutar:

```
ng help
```

Tenemos como resultado muchos de los comandos ya vistos y utilizados en conceptos anteriores:

```
PS C:\angulardevya\proyecto024> ng help
ng <command>

Commands:
  ng add <collection>      Adds support for an external library to your project.
  ng analytics             Configures the gathering of Angular CLI usage metrics.
  ng build [project]       Compiles an Angular application or library into an output directory named dist/
                           at the given output path. [aliases: b]
  ng cache                 Configure persistent disk cache and retrieve cache statistics.
  ng completion            Set up Angular CLI autocompletion for your terminal.
  ng config [json-path] [value] Retrieves or sets Angular configuration values in the angular.json file for the
                           workspace.
  ng deploy [project]      Invokes the deploy builder for a specified project or for the default project in
                           the workspace.
  ng doc <keyword>         Opens the official Angular documentation (angular.io) in a browser, and searches
                           for a given keyword. [aliases: d]
  ng e2e [project]         Builds and serves an Angular application, then runs end-to-end tests. [aliases: e]
  ng extract-i18n [project] Extracts i18n messages from source code.
  ng generate              Generates and/or modifies files based on a schematic. [aliases: g]
  ng lint [project]        Runs linting tools on Angular application code in a given project folder.
  ng new [name]            Creates a new Angular workspace. [aliases: n]
  ng run <target>          Runs an Architect target with an optional custom builder configuration defined in
                           your project.
  ng serve [project]       Builds and serves your application, rebuilding on file changes. [aliases: s]
  ng test [project]        Runs unit tests in a project. [aliases: t]
  ng update [packages...]  Updates your workspace and its dependencies. See https://update.angular.io/.
  ng version               Outputs Angular CLI version. [aliases: v]

Options:
  --help  Shows a help message for this command in the console. [boolean]

For more information, see https://angular.io/cli/.
PS C:\angulardevya\proyecto024>
```

Si por ejemplo queremos ver la versión de Angular CLI que tenemos instalada en nuestra computadora debemos ejecutar:

```
ng version
```

```
C:\WINDOWS\system32\cmd.exe
C:\angulardevya\proyecto024>ng version

Angular CLI
Angular CLI: 19.0.2
Node: 22.11.0
Package Manager: npm 10.8.1
OS: win32 x64

Angular: 19.0.1
... animations, common, compiler, compiler-cli, core, forms
... platform-browser, platform-browser-dynamic, router

Package                                  Version
-----
@angular-devkit/architect               0.1900.2
@angular-devkit/build-angular           19.0.2
@angular-devkit/core                    19.0.2
@angular-devkit/schematics              19.0.2
@angular/cli                            19.0.2
@schematics/angular                     19.0.2
rxjs                                     7.8.1
typescript                              5.6.3
zone.js                                 0.15.0
```

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