Angular CLi

Created by :

Sangeeta Joshi

Angular CLI

- ## ng new

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

- ng serve

  Easily test your app locally while developing.

- Test, Lint, Format

  Make your code really shine. Run your unittests or your end-to-end tests with the breeze of a command. Execute the official Angular linter and run clang format.

Generating Components, Directives, Pipes and Services

use the ng generate (or just ng g) command to generate Angular components:

- ng generate component my-new-component
- ng g component my-new-component # using the alias

Generating Components, Directives, Pipes and Services

\# components support relative path generation

\# if in the directory src/app/feature/ and you run

- ng g component new-cmp

- \# your component will be generated in src/app/feature/new-cmp

\# but if you were to run

- ng g component ../newer-cmp

\# your component will be generated in src/app/newer-cmp

\# if in the directory src/app you can also run

- ng g component feature/new-cmp

\# and your component will be generated in src/app/feature/new-cmp

Angular CLI

Scaffold	Usage
Component	ng g component my-new-component
Directive	ng g directive my-new-directive
Pipe	ng g pipe my-new-pipe
Service	ng g service my-new-service
Class	ng g class my-new-class
Guard	ng g guard my-new-guard
Interface	ng g interface my-new-interface
Enum	ng g enum my-new-enum
Module	ng g module my-module

angular-cli will add reference to components, directives and pipes automatically in the app.module.ts.

Angular CLI

to add this references to another custom module, follow this steps:

- ng g module new-module to create a new module
- call ng g component new-module/new-component
- This should add the new component, directive or pipe reference to the new-module you've created.

Updating Angular CLI

- If you're using Angular CLI 1.0.0-beta.28 or less, you need to uninstall angular-cli package. It should be done due to changing of package's name and scope from angular-cli to @angular/cli:

- npm uninstall -g angular-cli
- npm uninstall --save-dev angular-cli

Updating Angular CLI

- To update Angular CLI to a new version, you must update both the global package and your project's local package.

- Global package:

  npm uninstall -g @angular/cli
  npm cache clean
  npm install -g @angular/cli@latest
  Local project package:

- Local project package:

  rm -rf node_modules dist   (*# use rmdir /S/Q node_modules dist in Windows Command Prompt;*)
  rm -r -fo node_modules,dist   (*in Windows PowerShell*)
  npm install --save-dev @angular/cli@latest
  npm install