

Angular CLI Commands

General Commands

ng new [project-name]

Creates a new Angular workspace and initial application.

Example:

```
ng new my-angular-app
```

ng serve

Builds and serves your application, rebuilding on file changes.

Example:

```
ng serve
```

ng build

Compiles the application into an output directory.

Example:

```
ng build --prod
```

ng test

Runs unit tests using Karma.

Example:

```
ng test
```

ng e2e

Runs end-to-end tests using Protractor.

Example:

```
ng e2e
```

ng generate or ng g

Generates or modifies Angular files based on schematic.

Example:

```
ng generate component my-component
```

Generate Commands

ng generate component [name]

Generates a new component.

Example:

```
ng generate component my-component
```

ng generate directive [name]

Generates a new directive.

Example:

```
ng generate directive my-directive
```

ng generate pipe [name]

Generates a new pipe.

Example:

```
ng generate pipe my-pipe
```

ng generate service [name]

Generates a new service.

Example:

```
ng generate service my-service
```

ng generate module [name]

Generates a new module.

Example:

```
ng generate module my-module
```

ng generate class [name]

Generates a new class.

Example:

```
ng generate class my-class
```

ng generate guard [name]

Generates a new route guard.

Example:

`ng generate guard my-guard`

ng generate interface [name]

Generates a new interface.

Example:

`ng generate interface my-interface`

ng generate enum [name]

Generates a new enum.

Example:

`ng generate enum my-enum`

ng generate application [name]

Generates a new application within a workspace.

Example:

`ng generate application my-app`

Other Commands

ng lint

Lints the code using the defined linter (e.g., TSLint, ESLint).

Example:

`ng lint`

ng xi18n

Extracts i18n messages from the templates.

Example:

`ng xi18n`

ng add [package]

Adds support for an external library to your project.

Example:

`ng add @angular/material`

ng update

Updates your application and its dependencies.

Example:

```
ng update @angular/core
```

ng doc [keyword]

Opens the official Angular documentation in a browser.

Example:

```
ng doc router
```

ng config [json-path] [value]

Retrieves or sets Angular configuration values.

Example:

```
ng config schematics.@schematics/angular:component.prefix app
```

ng version

Displays the version of Angular CLI and Angular project.

Example:

```
ng version
```

ng analytics

Sets or reads the analytics configuration.

Example:

```
ng analytics on
```

Options and Flags

--prod

Used for production builds.

--watch

Automatically rebuilds the application on file changes.

--open or -o

Opens the application in the default browser.

--dry-run or -d

Simulates the command without making any changes.

Example of a Complex Command

ng generate component my-component --inline-style --inline-template --spec=false

Generates a new component with inline styles and template, and without a spec file.