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Angular CLI Commands





Installation & Setup

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

Install Angular CLI globally on your system

```
ng version
```

Check installed Angular CLI version and environment details

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

Update Angular CLI and core packages to the latest version



📁 Project Creation

```
ng new my-app
```

Create a new Angular application with default settings

```
ng new my-app --routing
```

Create a new Angular app with routing module included

```
ng new my-app --style=scss
```

Create a new app with SCSS as the default styling

```
ng new my-app --strict
```

Create a new app with strict TypeScript configuration



⚡ Serve & Build

```
ng serve
```

Start development server at <http://localhost:4200>

```
ng serve --open
```

Start dev server and automatically open browser

```
ng serve --port 4300
```

Start dev server on a custom port

```
ng build
```

Build the project for development

```
ng build --configuration production
```

Build the project for production with optimizations

```
ng build --base-href /my-app/
```

Build with a custom base href for deployment



Generate Components & More

Components

```
ng generate component component-name
```

```
ng g c component-name
```

Generate a new component

```
ng g c component-name --skip-tests
```

Generate component without test files

```
ng g c component-name --inline-template --inline-style
```

Generate component with inline template and styles

Modules

```
ng generate module module-name
```

```
ng g m module-name
```

Generate a new module

```
ng g m module-name --routing
```

Generate module with routing configuration



Services

```
ng generate service service-name
```

```
ng g s service-name
```

Generate a new service

Directives & Pipes

```
ng generate directive directive-name
```

```
ng g d directive-name
```

Generate a new directive

```
ng generate pipe pipe-name
```

```
ng g p pipe-name
```

Generate a new pipe

Guards & Interceptors

```
ng generate guard guard-name
```

```
ng g g guard-name
```

Generate a route guard

```
ng generate interceptor interceptor-name
```

Generate an HTTP interceptor



Classes & Interfaces

```
ng generate class class-name
```

```
ng g cl class-name
```

Generate a new class

```
ng generate interface interface-name
```

```
ng g i interface-name
```

Generate a new interface

```
ng generate enum enum-name
```

```
ng g e enum-name
```

Generate a new enum



Testing

```
ng test
```

Run unit tests using Karma

```
ng test --code-coverage
```

Run tests and generate code coverage report

```
ng e2e
```

Run end-to-end tests



Code Quality

```
ng lint
```

Run linting on the project

```
ng lint --fix
```

Run linting and automatically fix issues



Dependencies

```
ng add @angular/material
```

Add Angular Material to the project

```
ng add @angular/pwa
```

Add Progressive Web App support

```
ng add @ngrx/store
```

Add NgRx state management



Configuration & Info

```
ng config
```

View or set Angular configuration values

```
ng doc searchTerm
```

Open Angular documentation for a search term

```
ng analytics
```

Configure Angular CLI analytics



Code Optimization & Cleanup

```
ng lint --fix
```

Automatically fix linting issues and remove unused imports

```
ng update
```

Update your application and its dependencies

```
npx organize-imports-cli tsconfig.json
```

Organize and remove unused imports (requires `organize-imports-cli` package)

```
npm run lint -- --fix
```

Run ESLint with auto-fix for unused imports

```
ng build --source-map
```

Build with source maps for debugging

```
ng build --stats-json
```

Generate `stats.json` file for bundle analysis

```
npx webpack-bundle-analyzer dist/[app-name]/stats.json
```

Analyze bundle size and dependencies



```
ng cache clean
```

Clear Angular CLI cache

```
ng cache enable
```

Enable disk cache for faster builds

```
npm prune
```

Remove unused npm packages from node_modules

```
npm dedupe
```

Reduce duplication in node_modules

```
ng extract-i18n
```

Extract i18n messages from the application



🚩 Common Flags Reference

Flag	Description
--dry-run	Run command without making changes
--skip-tests	Don't generate test files
--skip-import	Don't import into parent module
--flat	Don't create a folder for the file
--inline-template	Use inline template instead of file
--inline-style	Use inline styles instead of file
--prefix	<small>Angular Commands Reference Guide Generated on November 18, 2025</small> Set a custom prefix for selectors <small>For more information, visit angular.io</small>