

Intro to Angular & CLI

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Agenda



- Intro Angular & CLI & Componenti & Data Binding
- Moduli & Architettura & Routing
- Services & DI
- Guards Interceptors Directives and Pipes
- Observable & Rxjs

- Reactive Forms & Validations
- Test Automatici
- Redux
- Best Practices & Configs
- Microservices







LOCAL CSS & SHADOW DOM

ROUTER & LAZY LOADING COMPONENT BASED **CROSS PLATFORM TYPESCRIPT** DI i18n SSR LTS **ANGULAR CLI REDUX REACTIVE FORMS** RXJS & OOP



XHR & INTERCEPTORS

PIPES & DIRECTIVES

TEMPLATE DRIVEN FORMS







VERSION	STATUS	RELEASED	ACTIVE ENDS	LTS ENDS
^13.0.0	Active	Nov 04, 2021	May 04, 2022	May 04, 2023
^12.0.0	LTS	May 12, 2021	Nov 12, 2021	Nov 12, 2022
^11.0.0	LTS	Nov 11, 2020	May 11, 2021	May 11, 2022

Angular versions v2 to v10 are no longer under support.

Browser	Supported versions
Chrome	latest
Firefox	latest and extended support release (ESR)
Edge	2 most recent major versions
Safari	2 most recent major versions
iOS	2 most recent major versions
Android	2 most recent major versions



Angular Roadmap

In progress

- Better developer ergonomics with strict typing for @angular/forms
- Simplified Angular mental model with optional NgModules
- Investigate micro frontend architecture for scalable development processes
- Enhanced Angular Material components by integrating MDC Web
- Angular component accessibility
- Remove legacy View Engine
- Launch advanced compiler diagnostics
- Improve Angular DevTools' integration with framework



Angular Roadmap

Future

- Revamp performance dashboards to detect regressions
- Leverage full framework capabilities with Zone.js opt-out
- Improved build performance with ngc as a tsc plugin distribution
- Support adding directives to host elements
- Ergonomic component level code-splitting APIs
- Publish guides on advanced concepts
- Ensure smooth adoption for future RxJS changes (version 8 and beyond)

Angular-CLI

ng new The Angular CLI makes it easy to create an application that already works

ng build Compiles an Angular app into an output directory.

ng serve Builds and serves your application, rebuilding on file changes.

ng generate Generates or modifies files based on a schematic.

ng test Runs unit tests on a given project.

ng e2e Builds and serves an Angular application, then runs end-to-end tests.

ng lint Runs linting tools on Angular app code in a given project folder.

2

workspace

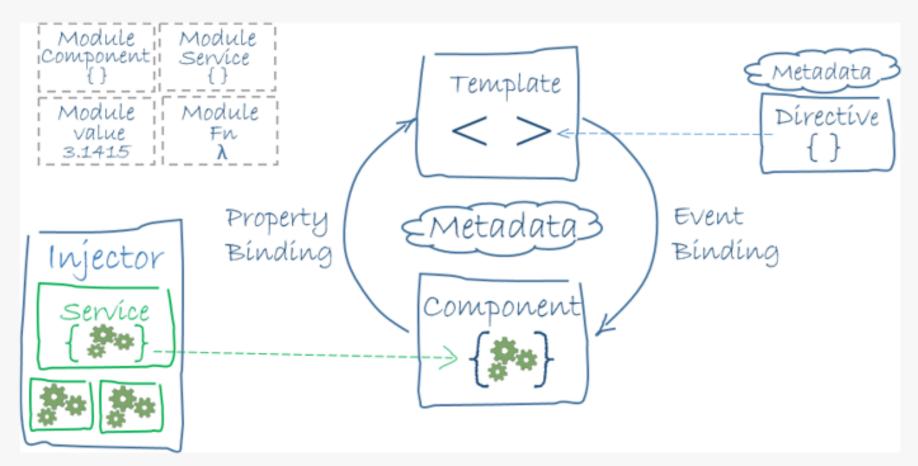
multi-repo

mono-repo

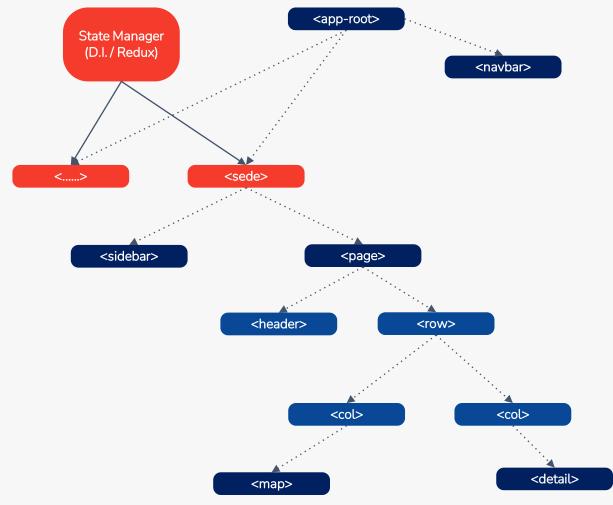
my-workspace/ my-workspace/ --(workspace config files) --(workspace config files) --(application source files) --(applications and libraries) projects/ src/ --(application config files) my-app/ --(application) --(application config) --(source files) src/ --(library) my-lib/ --(library config) --(source files) src/

ng generate

- class
- component
- directive
- enum
- guard
- interceptor
- interface
- library
- module
- pipe
- resolver
- service









```
<myapp-navbar>
    <myapp-menu>
        <h2>IMPIANTI</h2>
        <myapp-menu-impianto>
            <mat-icon>sem-ascensore</mat-icon>
            <bady><br/><br/><br/>/badge>
            <span>Ascensori</span>
        </myapp-menu-impianto>
        <myapp-menu-impianto>
            <mat-icon>sem-scala-mobile</mat-icon>
            <badge>1</badge>
            <span>Scale Mobili</span>
        </myapp-menu-impianto>
    </myapp-menu>
</myapp-navbar>
<row>
    <myapp-sidebar>
    </myapp-sidebar>
    <myapp-page>
    </myapp-page>
</row>
```

DEMO



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