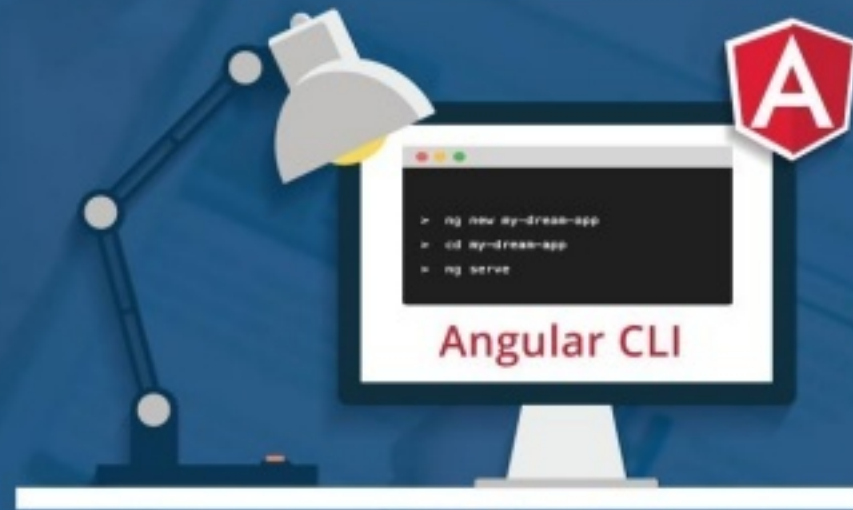


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Angular CLI

1 Why Angular CLI?

2 What is Angular CLI?

5 Demo

3 Getting Started



4 Angular CLI Commands

Why Angular CLI?

# Why Angular CLI ?

## With-out Angular CLI

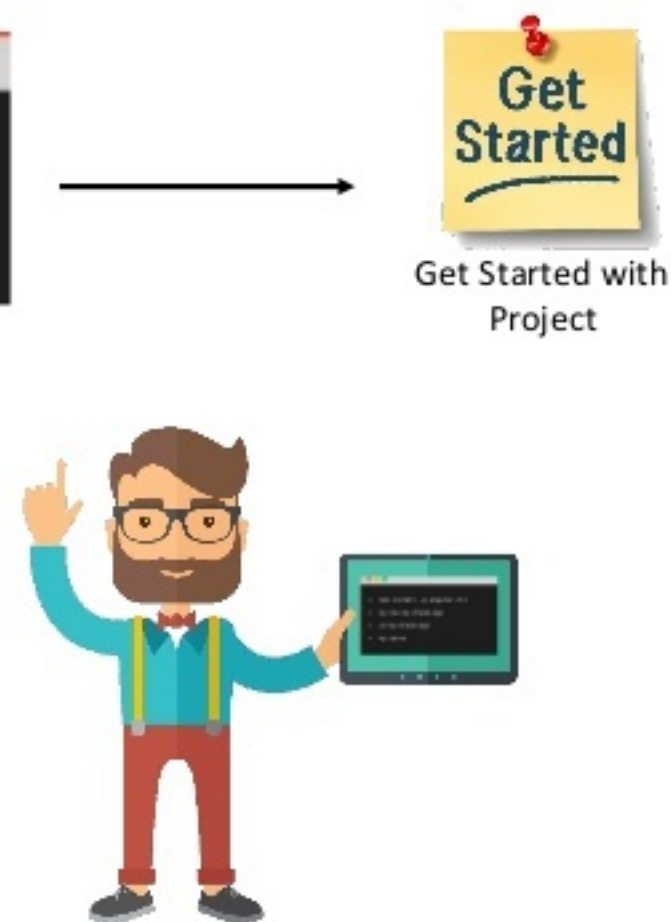


## With Angular CLI

```
> npm install -g angular-cli  
> ng new my-dream-app
```

Install Angular CLI and Create a Project

**NOTE:**  
While creating a project, Angular CLI provides all required configuration files.



What is Angular CLI?



# What is Angular CLI?



- Installed on Node.js CLI
- Sets up the environment
- Provides required files for Angular program
- Reduces development effort

# Getting Started With Angular CLI

- Installing Angular CLI
- Creating New Project
- Starting lite-server
- Angular Web UI

```
Your environment has been set up for using Node.js 6.9.5 (x64) and npm.  
C:\Users\class>npm install -g @angular/cli
```

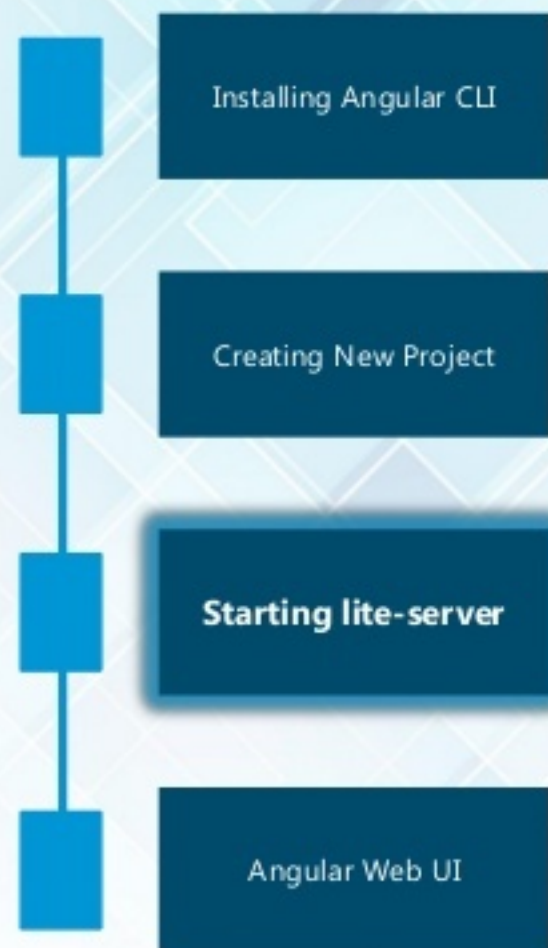
Install angular CLI on Node.js CMD





```
Your environment has been set up for using Node.js 6.9.5 (x64) and npm.  
C:\Users\class>ng new ProjectName  
installing ng2  
create .editorconfig  
create README.md  
create src\app\app.component.css  
create src\app\app.component.html  
create src\app\app.component.spec.ts  
create src\app\app.component.ts  
create src\app\app.module.ts  
create src\assets\.gitkeep  
create src\environments\environment.prod.ts  
create src\environments\environment.ts  
create src\favicon.ico  
create src\index.html  
create src\main.ts  
create src\polyfills.ts  
create src\styles.css  
create src\test.ts
```

Create new project



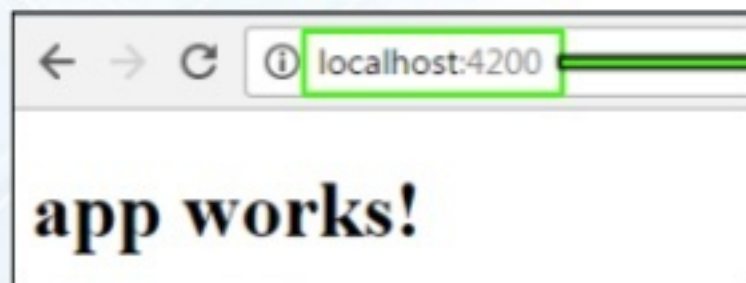
```
C:\Users\class>cd ProjectName
```

Go To project Folder

```
C:\Users\class>ng serve
```

Start the lite server

- Installing Angular CLI
- Creating New Project
- Starting lite-server
- Angular Web UI**



Address of your website

# Angular CLI Commands



1

ng new

2

ng doc

3

ng generate

4

ng version

5

ng test

6

ng e2e

7

ng lint

8

Others

## ng new

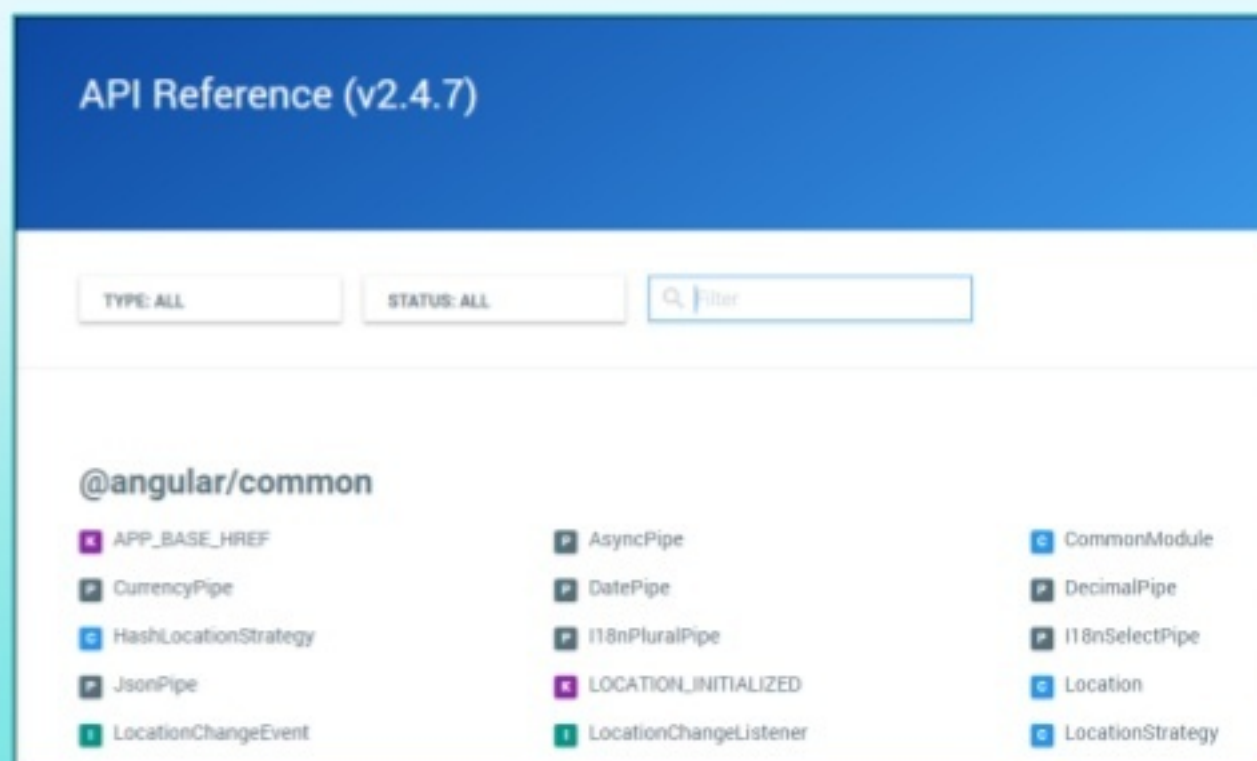
Creates a new Angular project. By default, the project is created under the current directory.



- 1 ng new
- 2 **ng doc**
- 3 ng generate
- 4 ng version
- 5 ng test
- 6 ng e2e
- 7 ng lint
- 8 Others

## ng doc

Opens a browser window with the keyword as search in Angular documentation.



- 1 ng new
- 2 ng doc
- 3 **ng generate**
- 4 ng version
- 5 ng test
- 6 ng e2e
- 7 ng lint
- 8 Others



Generates new code inside your project.

- `component <path/to/component-name>`
  - Generates a component
- `directive <path/to/directive-name>`
  - Generates a directive
- `route <route/to/route-component>`
  - Generates a route. The name should be the route used in the RouteConfig
- `pipe <path/to/pipe-name>`
  - Generates a pipe
- `service <path/to/service-name>`
  - Generates a service

1 ng new

2 ng doc

3 ng generate

4 **ng version**

5 ng test

6 ng e2e

7 ng lint

8 Others

## ng version

Outputs the version of angular-cli, node and the operating system.

```
C:\Users\class>ng version
```



```
@angular/cli: 1.0.0-beta.32.3  
node: 6.9.5  
os: win32 x64
```



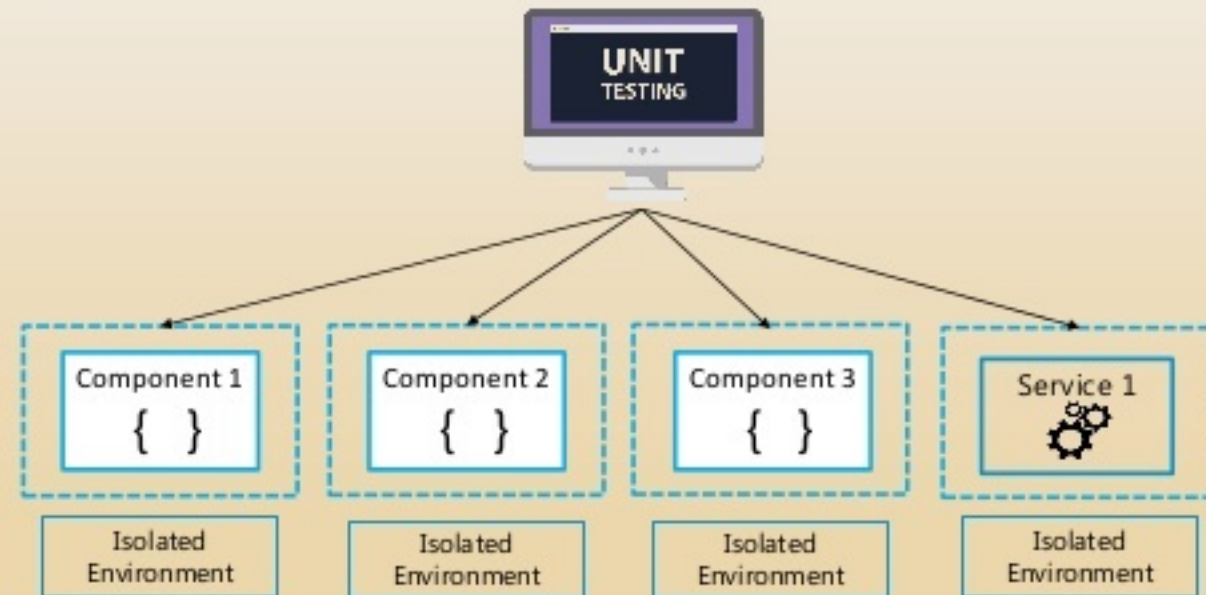
- 1 ng new
- 2 ng doc
- 3 ng generate
- 4 ng version
- 5 ng test**
- 6 ng e2e
- 7 ng lint
- 8 Others

## ng test

Run unit tests, using karma.

Options:

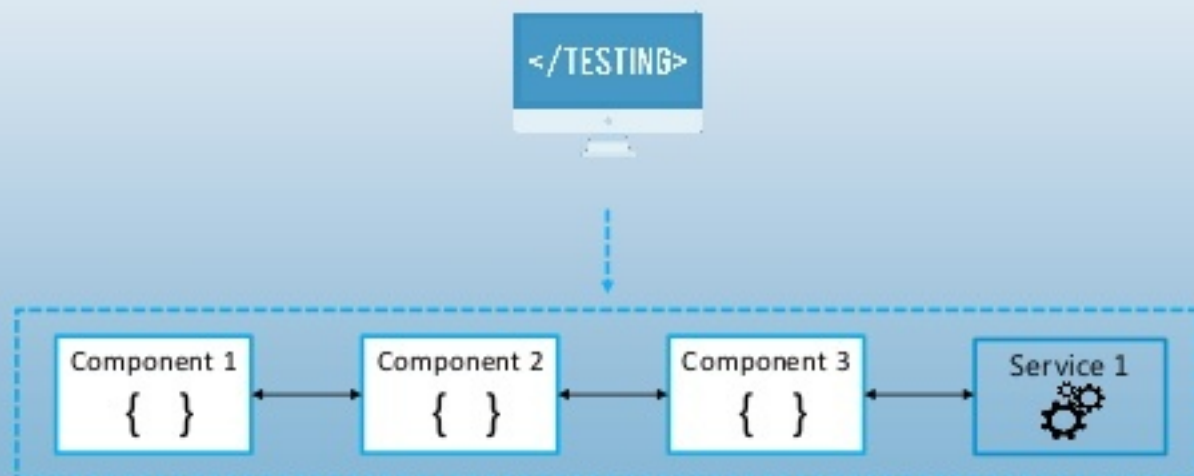
`--watch` Keep running the tests. Default is true



- 1 ng new
- 2 ng doc
- 3 ng generate
- 4 ng version
- 5 ng test
- 6 ng e2e**
- 7 ng lint
- 8 Others

## ng e2e

Runs all end-to-end tests defined in your application, using protractor.





1 ng new

2 ng doc

3 ng generate

4 ng version

5 ng test

6 ng e2e

7 **ng lint**

8 Others

## ng lint

Run the codelyzer linter on your project for analyzing potential error in code line by line.



- 1 ng new
- 2 ng doc
- 3 ng generate
- 4 ng version
- 5 ng test
- 6 ng e2e
- 7 ng lint
- 8 Others

**ng get**  
Gets a value from the Angular CLI configuration

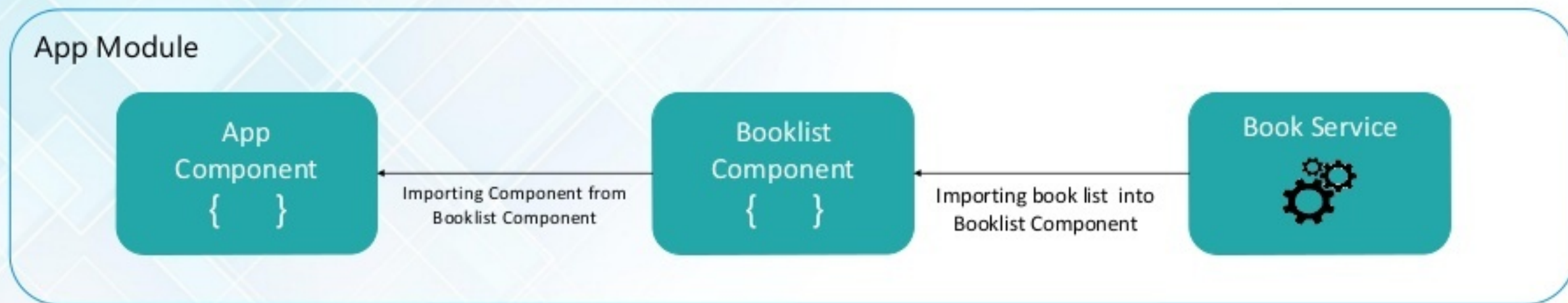
**ng set**  
Sets a value in the Angular CLI configuration

**ng help**  
Gets the list of commands supported by Angular CLI

**ng build**  
Add watch flag to serve/e2e



# **Demo: A Sample Booklist Application**







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**Thank You**

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