

angular-cli Reference Card

(c) 2017 Philippe MARTIN <contact@elol.fr>

This work is licensed under the Creative Commons

Attribution-Noncommercial-ShareAlike 4.0 International License

(CC BY-NC-SA 4.0). To view a copy of this license, visit

<http://creativecommons.org/licenses/by-nc-sa/4.0/>

ng help

```
$ ng help [command-name]
```

Shows help for the given command (default all commands)

ng version

```
$ ng version [options...]
```

Shows versions of cli, node, os and angular packages

```
--verbose          Shows more details
```

ng doc

```
$ ng doc keyword
```

Opens official Angular API reference for the given keyword

ng completion

```
$ ng completion [options...]
```

Generates an init script to add autocomplete functionality to ng commands and subcommands to bash or zsh shells

```
--all              Script compatible with both bash and zsh
```

```
--bash             Script optimized for bash
```

```
--zsh              Script optimized for zsh
```

```
$ ng completion --bash >> ~/.bashrc
```

```
$ ng completion --zsh >> ~/.zshrc
```

ng lint

```
$ ng lint [options...]
```

Runs static analysis of project source code

```
--fix              Fixes linting errors
```

```
--force            Succeeds (returns 0) even if linting errors
```

```
--format            Output format: prose, json, stylish, verbose, pmd, msbuild, checkstyle, vso, filelist
```

```
--type-check        Controls the type check for linting
```

ng get

```
$ ng get [options...] key
```

Returns a value from the .angular-cli.json configuration file in json format. key must be in json path format

```
--global            Uses global configuration ~/.angular-cli.json
```

```
$ ng get project.name
```

```
$ ng get e2e
```

ng set

```
$ ng set [options...] key=value
```

Sets a value in the .angular-cli.json configuration file. key must be in json path format and value in json format

```
--global            Uses global configuration ~/.angular-cli.json
```

```
$ ng set project.name='my new project name'
```

```
$ ng set e2e='{\"protractor\":{\"config\":\"./protractor.conf.js\"}}'
```

ng new

```
$ ng new [options...] name
```

Creates a new Angular app in a new directory

general options

```
--dry-run           Runs without making any changes
```

```
--verbose           Adds more details to output logging
```

install options

```
--directory dir     The installation directory
```

```
--source-dir dir     The name of the source directory
```

```
--link-cli           Automatically links the angular/cli package
```

```
--skip-install       Skips installing packages
```

```
--skip-git           Skips initializing a git repository
```

```
--skip-commit        Skips committing the first changes to git
```

defaults options

```
--prefix p           Default prefix for components selectors (app)
```

```
--style s            The style file default extension (css)
```

```
--inline-style        Components styles will be inlined
```

```
--inline-template     Components templates will be inlined
```

```
--skip-tests          Skips creating spec files
```

```
--routing             Generates routing modules
```

ng build

```
$ ng build [build-options...]1 [options...]
```

```
--stats-json          Generates a dist/stats.json file for use with  
https://webpack.github.io/analyse/
```

ng e2e

```
$ ng e2e [build-options...]1 [serve-options...]2 [options...]
```

Runs end-to-end tests

```
--config file         Uses a specific config file. Defaults to the  
protractor config file in .angular-cli.json
```

```
--specs files...       Overrides specs in the protractor config.  
Can send in multiple specs by repeating flag
```

```
--element-explorer     Starts Protractor's Element Explorer for  
debugging
```

```
--no-webdriver-update  Does not try to update webdriver
```

```
--no-serve             Does not build and serve the app12
```

ng test

```
$ ng test [options...]
```

Runs test suite

```
--no-watch            Does not watch for files changes
```

```
--code-coverage        Outputs coverage report in coverage/
```

```
--config file         Uses a specific config file. Defaults to the  
protractor config file in .angular-cli.json
```

```
--single-run           Runs tests only once
```

```
--no-progress          Does not show progress while testing
```

```
--browsers value       Overrides on which browsers to test
```

```
--no-colors            Disables colors in output
```

```
--log-level level       Level of logging (debug, info, warn, error)
```

```
--port value           Port where the web server will be listening
```

```
--reporters value       List of reporters to use
```

```
--no-sourcemaps         Does not output sourcemaps
```

```
--poll ms              Enables and defines the file watching poll  
time period
```

```
--app name             The app to test
```

ng serve

```
$ ng serve [build-options...]1 [serve-options...]2
```

Builds and serves app, rebuilding on file changes.

ng xi18n

```
$ ng xi18n [options...]
```

Extracts i18n messages from source code

```
--output-path dir     Path where output will be placed
```

```
--out-file file        Name of output file
```

```
--i18n-format fmt      Output format (xlf, xmb)
```

```
--locale lang          Source language of app
```

```
--verbose              Adds more details to output logging
```

```
--no-progress          Does not show progress while running
```

```
--app name             The app to extract from
```

ng eject

```
$ ng eject [build-options...]1 [options...]
```

Outut proper webpack configuration and scripts

```
--force               Overrides any webpack.config.js and npm  
scripts already existing
```

1 Build options

```
--target tgt           Build target (development, production)
```

```
--environment env       Build environment
```

```
--output-path dir       Path where output will be placed
```

```
--aot                  Builds using Ahead of Time compilation
```

```
--no-sourcemaps         Does not output sourcemaps
```

```
--no-vendor-chunk       Does not use a separate bundle containing  
only vendor libraries
```

```
--base-href bh          Sets the base url for the application built
```

```
--deploy-url url        URL where files will be deployed
```

```
--verbose              Adds more details to output logging
```

```
--no-progress           Does not show progress while running
```

```
--i18n-file file        I18n file to use
```

```
--i18n-format fmt       Format of i18n file
```

```
--locale lang           Locale to use for i18n
```

```
--extract-css           Extracts css from global styles onto css files  
instead of js ones
```

```
--watch                Watches for files changes
```

```
--output-hashing        Defines the output filename cache-busting  
hashing mode (none, all, media, bundles)
```

```
mode  
--poll ms              Enables and defines the file watching poll  
time period
```

```
--app name             The app to build
```

2 Serve options

```
--port port            Port to listen to (default 4200)
```

```
--host host            Host to listen to (default localhost only)
```

```
--proxy-config file     Proxy configuration file
```

```
--ssl                  Serves using HTTPS
```

```
--ssl-key file          SSL key to use for serving HTTPS
```

```
--ssl-cert file         SSL certificate to use for serving HTTPS
```

```
--open                 Opens the url in default browser
```

```
--no-live-reload        Does not reload the page on change, using  
live-reload
```

```
--live-reload-client    URL that the live reload browser client will  
use
```

```
--hmr                  Enables hot module replacement
```

ng generate

\$ ng generate *blueprint* [*options...*]

Generates new code from blueprint

--dry-run Runs without making any changes
--verbose Adds more details to output logging
--app App for which code is generated

module

\$ ng generate module *name* [*options...*]

Generates an NgModule

--flat The module is not created in a new dir
--spec A spec file is generated
--routing A routing module is generated

component

\$ ng generate component *name* [*options...*]

Generates a component

--flat The component is not created in a new dir
--spec A spec file is generated
--view-encapsulation Specifies the view encapsulation strategy (**Emulated**, Native, None)
--change-detection Specifies the change detection strategy (**Default**, OnPush)
declaring module
--skip-import No module should import this component
--module *mod* Specifies the declaring module
--export Declaring module should export this component
overrides ng new defaults
--(no-)inline-style Whether component style is inlined
--(no-)inline-template Whether component template is inlined
--prefix *p* Prefix for component selector

directive

\$ ng generate directive *name* [*options...*]

Generates a directive

--flat The directive is not created in a new dir
--spec A spec file is generated
overrides ng new defaults
--prefix *p* Prefix for directive selector
declaring module
--skip-import No module should import this directive
--module *mod* Specifies the declaring module
--export Declaring module should export this directive

service

\$ ng generate service *name* [*options...*]

Generates a service

--flat The service is not created in a new dir
--spec A spec file is generated
--module *mod* Specifies in which module the service should be provided

guard

\$ ng generate guard *name* [*options...*]

Generates a guard

--flat The guard is not created in a new dir
--spec A spec file is generated
--module *mod* Specifies in which module the guard should be provided

pipe

\$ ng generate pipe *name* [*options...*]

Generates a pipe

--flat The pipe is not created in a new dir
--spec A spec file is generated
declaring module
--skip-import No module should import this pipe
--module *mod* Specifies the declaring module
--export Declaring module should export this pipe

class

\$ ng generate class *name* [*options...*]

Generates a class

--spec A spec file is generated

interface

\$ ng generate interface *name* [*type*]

Generates an interface

type Suffixes file name with this type

enum

\$ ng generate enum *name*

Generates an enumeration