

# angular-cli v1.0 Reference Card

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## 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  
mode                 hashing mode (none, all, media, bundles)  
--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  
url                  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