

How to upgrade Angular CLI to the latest version



Using `ng --version` I got:

102

@angular/cli: 1.0.0



which is not the latest release available.



Since I have Angular CLI globally installed on my system, in order to upgrade it I tried:

117

```
npm update angular-cli -g
```

But it does not work, because it stays to 1.0.0 version.



asked May 12 '17 at 7:35



Francesco Borzi

17.6k 12 64 106

locked by [Samuel Liew](#) ♦ Apr 15 '18 at 13:39

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10 Answers


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```
npm uninstall -g angular-cli
npm cache clean or npm cache verify #(if npm > 5)
npm install -g @angular/cli@latest
```

Depending on your system, you may need to prefix the above commands with `sudo`.

Also, most likely you want to also update your local project version, because inside your project directory it will be selected with higher priority than the global one:

```
rm -rf node_modules
npm uninstall --save-dev angular-cli
npm install --save-dev @angular/cli@latest
npm install
```

thanks *grizzm0* for pointing this out on [GitHub](#).

After updating your CLI, you probably want to [update your Angular version](#) too.

Note: if you are updating to Angular CLI 6+ from an older version, you might need to read [this](#).

Edit: In addition, if you were still on a 1.x version of the cli, you need to convert your `angular-cli.json` to `angular.json`, which you can do with the following command:

```
ng update @angular/cli --from=1.7.4 --migrate-only
```

(check [this](#) for more details).

edited Jul 2 at 15:04



Andre Elrico

5,905 1 14 31

answered May 12 '17 at 7:35



Francesco Borzi

17.6k 12 64 106

3 Pedantic alert: You can find more details about changes between versions in the Releases tab on GitHub. Link: github.com/angular/angular-cli/releases – [Stuti Verma](#) Aug 17 '17 at 5:53

12 Update 2017 (npm@5): if you really need to clean your cache : "npm cache clean --force" – [Neyt](#) Nov 10 '17 at 15:14

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cache is guaranteed to be valid. If you want to make sure everything is consistent, use 'npm cache verify' instead.' "if you want to force, you can add --force – [Pushkal Boganatham](#) Feb 11 '18 at 17:35



ng6+ -> 7.0

144

Update RxJS (depends on RxJS 6.3)



```
npm install -g rxjs-tslint
rxjs-5-to-6-migrate -p src/tsconfig.app.json
```

Remove rxjs-compat

Then update the core packages and Cli:

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

(Optional: update Node.js to version 10 which is supported in NG7)

ng6+ (Cli 6.0+): features simplified commands

First, update your Cli

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

Then, update your core packages

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

If you use RxJS, run

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If you run into build errors, try a manual install of:

```
npm i rxjs-compat
npm i @angular-devkit/build-angular
```

Lastly, check your version

```
ng v
```

Note on production build:

ng6 no longer uses `intl` in `polyfills.ts`

```
//remove them to avoid errors
import 'intl';
import 'intl/locale-data/jsonp/en';
```

ng5+ (Cli 1.5+)

```
npm install @angular/{animations,common,compiler,compiler-cli,core,forms,http,platform-
browser,platform-browser-dynamic,platform-server,router}@next typescript@2.4.2
rxjs@'^5.5.2'
npm install typescript@2.4.2 --save-exact
```

Note:

1. The supported Typescript version for Cli 1.6 as of writing is up to 2.5.3.
2. Using `@next` updates the package to beta, if available. Use `@latest` to get the latest non-beta version.

After updating both the global and local package, clear the cache to avoid errors:

```
npm cache verify (recommended)
npm cache clean (for older npm versions)
```

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edited Nov 9 '18 at 19:49



Scottie

6,016

12

53

94

answered Jun 27 '17 at 12:28



Pageii Studio

1,806

1

10

16

4 npm cache clean --force Really helped me – [Pini Cheyni](#) Nov 24 '17 at 21:48

1 Why oh why is this part no in the release notes! – [Drenai](#) Jan 15 '18 at 16:38

ng update @angular/core --next --force – [Saravanan Nandhan](#) Sep 26 '18 at 7:25

[update.angular.io](#) more documentation can be found here. – [Ashish Singh Rawat](#) Oct 25 '18 at 9:53

1 @JoeyGough nice catch! Ng7 depends on rxjs 6.3. Thanks for your comment. ref: [github.com/angular/angular/blob/master/...](#) – [Pageii Studio](#) Oct 31 '18 at 10:30 ✎

you can simply use

77

npm install -g angular-cli - if its your first time

npm install -g @angular/cli@latest - if u already installed, so for updating

answered Nov 11 '17 at 19:41



SamYah

1,035

7

9

2 short and perfect answer. Thanks – [Abdullah Pariyani](#) Feb 21 at 4:11

1 Searched for over an hour and couldn't find anything as I just wanted the global ng cli updated and not any local project packages. This worked perfectly for me! Also the answer below by @wdavilaneto worked for me as well, as I tested both answers. Thank you for sharing! – [Dustin Hammack](#) Mar 28 at 8:32

The powerful command installs and replaces the last package.

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and

```
npm install --save-dev @angular/cli@latest
```

```
>ng --version
```

Step1:Read Current Version

```
Your global Angular CLI version (1.4.5) is greater than your local
version (1.1.0). The local Angular CLI version is used.
```

[illegible]

```
@angular/cli: 1.1.0
```

Last Version

```
>npm install --save-dev @angular/cli@latest
```

Step2:Run This Line

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```
/ \ _ _ _ _ _ | | _ _ _ _ _ / _ | | | _ |  
/ \ _ _ _ _ _ | | _ _ _ _ _ / _ | | | _ |  
/ \ _ _ _ _ _ | | _ _ _ _ _ / _ | | | _ |  
/ \ _ _ _ _ _ | | _ _ _ _ _ / _ | | | _ |  
@angular/cli: 1.4.5
```

edited Oct 10 '17 at 12:46

answered Oct 10 '17 at 10:15

[BehrouzMoslem](#)

3,499 2 19 26

this will work for a local Angular CLI, check my answer to uprade the global one – [Francesco Borzi](#) Oct 10 '17 at 10:31

upgraded my global cli – [Rahmathullah M](#) Dec 14 '17 at 10:17

▲ This command works fine:

27

npm upgrade -g @angular/cli

edited Oct 19 '17 at 6:50

answered Aug 18 '17 at 16:11

[Derlin](#)

6,451 2 18 34

[wdavilaneto](#)

569 5 6

Searched for over and hour and couldn't find anything as I just wanted the global ng cli updated and not any local project packages. This worked perfectly for me! Also the answer above by [@SamYah](#) worked for me as well, as I tested both answers. Thank you for sharing! – [Dustin Hammack](#) Mar 28 at 8:32

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- so after doing what @ShinDarth said above, to fix my angular version I had to create a new project with `-ng new projectname` that generated a package.
- copy the new package, then paste the new package on all projects packages needing update (remember to add the dependencies you had and change the name on first line) or you can just change the versions manually without copy and paste.
- then run `-npm install .`

Now my `ng serve` is working again, maybe there is a better way to do all that, if someone know, please share, because this is a pain to do with all projects that need update.

edited Sep 15 '17 at 15:44



Alexander Abakumov

5,447 5 50 76

answered Jun 25 '17 at 14:30



Leonardo Souza Paiva

141 4

looks like more an addition to my answer than an answer, so maybe you can move it as a comment below my answer ? – [Francesco Borzi](#) Jun 26 '17 at 7:27

6 sry, you are right but i need 50 of reputation to make a comment to your answer. – [Leonardo Souza Paiva](#) Jul 19 '17 at 18:15

1 for me this brute method is the only one that worked. thanx Leonardo. – [curious](#) Dec 3 '17 at 14:40

The following approach worked for me:

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

then

```
npm cache verify
```

then

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

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edited Jan 25 '18 at 14:14

answered Dec 22 '17 at 15:35



Enayat

1,408 17 32

UPDATE:

Starting from [CLI v6](#) you can just run `ng_update` in order to get your dependencies updated automatically to a new version.

With `ng_update` sometimes you might want to add `--force` flag.

You can also pass `--all` flag to upgrade all outdated packages.

After update is done make sure that the version of typescript you got installed supported by your current angular version, otherwise you might need to downgrade the typescript version. Also bear in mind that usually the latest version of angular won't support the latest version of the typescript.

Also checkout this guide [Updating your Angular projects](#) and [update.angular.io](#)

OLD ANSWER:

All you need to do is to diff with [angular-cli-diff](#) and apply the changes in your current project.

Here is the steps:

1. Say you go from 1.4. to 1.5 then you do <https://github.com/cexbrayat/angular-cli-diff/compare/1.4.0...1.5.0>
2. click on `File changed` tab
3. Apply the changes to your current project.
4. `npm install / yarn`
5. Test all `npm scripts` (*more details here:* <https://stackoverflow.com/a/45431592/415078>)

edited Mar 12 at 2:40

answered Nov 3 '17 at 3:55



Kuncevič

10.8k 8 51 70

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7

Global package:

```
npm uninstall -g @angular/cli
npm cache clean
# if npm version is > 5 then use `npm cache verify` to avoid errors (or to avoid using -
-force)
npm install -g @angular/cli@latest
```

Local project package:

```
rm -rf node_modules dist # use rmdir /S/Q node_modules dist in Windows Command Prompt;
use rm -r -fo node_modules,dist in Windows PowerShell
npm install --save-dev @angular/cli@latest
npm install
```

Source: [Github](#)

answered Jan 17 '18 at 6:39

**Hasan Fathi****2,467** 1 22 28

3

In my case, I have installed angular-cli locally using `npm install --save-dev angular-cli`. So, when I use command `npm install -g @angular/cli`, it generates error saying that **"Your global Angular CLI version (1.7.3) is greater than your local version (1.4.9)".** Please note that angular-cli, @angular/cli and @angular/cli@latest are two different cli's. What solves this is uninstall all cli and then install latest angular cli using **`npm install -g @angular/cli@latest`**

answered Apr 5 '18 at 7:48

**ARKhan****171** 1 7**Join Stack Overflow** to learn, share knowledge, and build your career.

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