

Global Angular CLI version greater than local version

Asked 2 years, 3 months ago Active 3 months ago Viewed 247k times

▲ When running `ng serve` I get this warning about my global CLI version being greater than my local version. I don't notice any issues from this warning, but I was wondering if the two versions should be in sync? Also, Is it necessary to have a local version if you have a global version?

278

▼ The warning:

★ Your global Angular CLI version (1.1.1) is greater than your local version (1.0.6). The local Angular CLI version is used.

58

angular-cli

edited Dec 23 '18 at 19:25



Mark Amery

72.7k 36 279 327

asked Jun 13 '17 at 15:28



Rich

2,034 7 18 34

26 Can anyone answer *why* we need both local and global? – Rap Dec 6 '17 at 15:53

10 Answers

▲ To answer one of the questions, it is necessary to have both a global and local install for the tools to work.

377 If you try to run `ng serve` on an application without the local install of the CLI (global install only), you will get the following error.

▼ You have to be inside an Angular CLI project in order to use the `serve` command.

It will also print this message:



Please take the following steps to avoid issues:

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

Run that `npm` command to update the CLI locally, and avoid the warning that you are getting.

Other question: It looks like they do not *have* to be in sync, but it's probably best that they are in order to avoid any unusual behavior with the tool, or any inconsistencies with the code the tool generates.

Why do we need both the global install, and a local install?

The global install is needed to start a new application. The `ng new <app-name>` command is run using the global installation of the CLI. In fact, if you try to run `ng new` while inside the folder structure of an existing CLI application, you get this lovely error:

You cannot use the `new` command inside an Angular CLI project.

Other commands that can be run from the global install are `ng help`, `ng get/set` with the `--global` option, `ng version`, `ng doc`, and [ng completion](#).

The local install of the CLI is used after an application has been built. This way, when new versions of the CLI are available, you can update your global install, and not affect the local install. This is good for the stability of a project. Most `ng` commands only make sense with the local version, like `lint`, `build` and `serve`, etc.

According to the CLI GitHub [readme](#), to update the CLI you must update the global and local package. However, I have used the CLI where the global and local version vary without any trouble so far. If I ever run across an error related to having the global and local CLI versions out of sync, I will post that here.

edited Jan 11 '18 at 13:20

answered Jun 13 '17 at 16:04



R. Richards

16.5k 9 44 50

there is no way instead of updating the cli , for example i want to run installing modules with t my existing cli version . or there is no way to force when executing command to use the local cli not the global one ?? – Mohammed Yassine CHABLI Sep 4 '17 at 13:40

-
- 2 The local version of the CLI is used by default when running commands in a CLI project directory. It says as much in the warning. – R. Richards Sep 4 '17 at 13:54

but i don't know why this solution is not working for me . what if i mention in my package.json as value of my angular-cli ="^1.0.6" . that work but still not understading what happen ? – Mohammed Yassine CHABLI Sep 4 '17 at 14:40

`npm uninstall -g @angular/cli`, `npm cache clear --force`, `npm install @angular/cli` – Hesham Yassin Nov 17 '17 at 6:53

-
- 1 @Doug That is correct. You will get a warning when running those commands for a project with a lower version of the CLI, but you can ignore it. All the warning says is versions are different, and the local CLI will be used. – R. Richards Nov 24 '18 at 11:53
-

This is how I solved the issue.

131

```
>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.
```

To disable this warning use "ng set --global warnings.versionMismatch=false".

[illegible]

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

Last Version

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

Step2:Run This Line

```
>ng --version
```

Step3:Read Current Version

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

Copy and run these commands

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

edited Jul 23 '18 at 10:05



Deanna

21.2k 6 55 127

answered Oct 10 '17 at 10:18



BehrouzMoslem

3,815 2 20 26

I would add that step 1.5 (if you will) is: `rm node_modules/.bin/ng` . Worked perfectly. – [bretonics](#) Nov 20 '18 at 20:42

▲ This works for me: it will update local version to latest

31

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

▼ to verify version

```
ng --version
```

answered Feb 9 '18 at 0:24



hoogw

1,935 19 18

I converted that into an old-skool Windoze batch command: CALL npm uninstall --save-dev @angular/cli CALL npm install --save-dev @angular/cli@latest CALL ng --version – Lee H Feb 14 '18 at 23:13

- 1 Did your steps. Tried `ng serve --open` and got "This version of CLI is only compatible with Angular version 5.0.0 or higher. Please visit the link below to find instructions on how to update Angular. angular-update-guide.firebaseio.com " – Aggie Jon of 87 Jun 8 '18 at 1:55 ✎



13



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

Your existing configuration can be updated automatically by running the following command:

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

or:

```
npm install
```

edited May 10 '18 at 7:47

answered May 10 '18 at 7:41



Montasir Mirghani

131 1 5



12



```
npm uninstall -g @angular/cli
npm cache verify
npm install -g @angular/cli@latest
```

Then in your Local project package:

```
rm -rf node_modules dist
npm install --save-dev @angular/cli@latest
npm i
ng update @angular/cli
ng update @angular/core
npm install --save-dev @angular-devkit/build-angular
```

Was getting below error Error: Unexpected end of JSON input Unexpected end of JSON input Above steps helped from this post [Can't update angular to version 6](#)

edited Sep 7 '18 at 12:53

answered Sep 1 '18 at 17:20



Saurabh

3,452 3 24 33

1 npm install --save-dev @angular-devkit/build-angular - did helped ng update @angular/cli -> did create angular.json and other updates. – MPV Jun 8 at 6:41



Run the following Command: `npm install --save-dev @angular/cli@latest`

4

After running the above command the console might popup the below message



The Angular CLI configuration format has been changed, and your existing configuration can be updated automatically by running the following command: `ng update @angular/cli`

edited May 9 '18 at 7:46

answered May 9 '18 at 6:17



ochs.tobi

1,691 7 17 35



Tahir77667

456 5 9



In my case I just used this command into project:

4

`ng update @angular/cli`



answered Mar 4 at 12:33



Akostha

199 1 4



I'm not fluent in English

but if I understand the problem, is it that locally in the project you have an older version of CLI than globally?

3

And would you like to use this global newer instead of the local older one?

If so, a very simple method is enough to run in the project directory `npm link @angular/cli`

more in the subject on the page: <https://docs.npmjs.com/cli/link>

answered Jun 24 '18 at 10:38



CisSasGot

312 2 9

2

First find out the global angular-cli version by running

```
ng --version
```

The above code will show what version is the global and local angular-cli versions.

If you want the global and local angular cli to be same you can just do

```
npm install --save-dev @angular/cli@1.7.4
```

where 1.7.4 is your global angular-cli version

Then if you run `ng serve --open` your code should run.

answered May 30 '18 at 8:29



vikas etagi

177 1 8

0

`npm install --save-dev @angular-devkit/build-angular` - did helped ng update `@angular/cli` -> did create angular.json and other updates.

Collecting installed dependencies... Found 58 dependencies.

```
** Executing migrations for package '@angular/cli' **  
  Updating karma configuration  
  Updating configuration  
  Removing old config file (.angular-cli.json)
```

Writing config file (angular.json)

Some configuration options have been changed, please make sure to update any npm scripts which you may have modified. DELETE .angular-cli.json CREATE angular.json (4394 bytes) CREATE browserslist (429 bytes) UPDATE karma.conf.js (993 bytes) UPDATE public/tsconfig.spec.json (295 bytes) UPDATE package.json (2618 bytes) UPDATE tsconfig.json (437 bytes) UPDATE tslint.json (3135 bytes) UPDATE public/polyfills.ts (587 bytes) UPDATE public/tsconfig.app.json (199 bytes) npm WARN @angular/core@5.2.9 requires a peer of zone.js@^0.8.4 but none is installed. You must install peer dependencies yourself.

answered Jun 8 at 8:09



MPV

133 2 8