



(Angular & ASP.NET) Gurustop.NET By @Meligy

JAVASCRIPT NEWSLETTER, C#, NODE, AND MORE...

Angular 2: Here's how to use jQuery in an Angular CLI project



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Thanks for your support -- It does make a difference

Please do not take the post as an endorsement of using jQuery with Angular 2. I do not think it's a good idea. Most stuff you use jQuery for can be done directly from Angular 2.

However, there might be legitimate reasons for using jQuery, like using jQuery widgets and plugins that do not have a non-jQuery based equivalent. If you are facing that, try this guide:

If you are using the [Angular CLI](#) (my personal recommendation), you can use jQuery with Angular 2 in very few and easy steps as follows:

First: Install jQuery, the actual library

```
npm install jquery --save
```

Then: Install jQuery TypeScript autocomplete

```
npm install @types/jquery --save-dev
```

Finally: Go to the `./angular-cli.json` file at the root of your Angular CLI project folder, and find the `scripts: []` property, add this inside it:

```
"../node_modules/jquery/dist/jquery.min.js"
```

(or use the `slim` version if that's your cup of tea, keep the rest of the path as-is)

After that, jQuery will be available for you as a global variable. You can log jQuery's version (which is available as `jQuery.fn.jquery`) to ensure it's working brilliantly.

How did I learn that?

As a bonus for coming here, I'm giving away a free newsletter for web developers that you can sign up for [from here](#).

It's not an anything-and-everything link list. It's thoughtfully collected picks of articles and tools, that focus on Angular 2+, ASP.NET (4.x/MVC5 and Core), and other fullstack developer goodies.

[Take it for a test ride](#), and you may unsubscribe any time.

You might also want to support me by checking these out [Thanks]:

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mallim • 3 years ago

Can this work with aot build?

1 ^ | v • Reply • Share ›



@Meligy Mod ➔ mallim • 3 years ago • edited

Works just fine yes.

Here's a picture of the output of `ng build --aot -prod`. It works just fine in dev mode and with `serve` as well.

```
Non-strict equality against boolean: == false [/Users/Meligy/Code/temp/cli-tests/jqtest/~zone.js/dist/zone.js:1394,0]
Condition left of || always false [/Users/Meligy/Code/temp/cli-tests/jqtest/~zone.js/dist/zone.js:538,0]
Condition left of || always false [/Users/Meligy/Code/temp/cli-tests/jqtest/~zone.js/dist/zone.js:541,0]
Side effects in initialization of unused variable Zone$1 [/Users/Meligy/Code/temp/cli-tests/jqtest/~zone.js:23,0]
Child src/app/app.component.html:
      Asset      Size  Chunks   Chunk Names
  chunk {0} /Users/Meligy/Code/temp/cli-tests/jqtest/src/app/app.component.html 2.51 kB      0
Child html-webpack-plugin for "index.html":
      Asset      Size  Chunks   Chunk Names
  index.html  2.81 kB      0
  chunk {0} index.html 339 bytes [entry] [rendered]
Child src/app/app.component.scss:
      Asset      Size  Chunks   Chunk Names
  chunk {0} /Users/Meligy/Code/temp/cli-tests/jqtest/src/app/app.component.scss 2.45 kB      0
Child extract-text-webpack-plugin:
  chunk {0} extract-text-webpack-plugin-output-filename 1.66 kB [entry] [rendered]

/Users/Meligy/Code/temp/cli-tests/jqtest [git::master *] [Meligy@MeligyMBP] [23:08]
> du -sh dist
4.8M   dist

/Users/Meligy/Code/temp/cli-tests/jqtest [git::master *] [Meligy@MeligyMBP] [23:09]
> du -sh dist/*.js
4.0K   dist/inline.d41d8cd98f00b204e980.bundle.js
528K   dist/main.9d41e71516c55eaafae1.bundle.js
88K    dist/scripts.69f7783d204ca5f33ffc.bundle.js
4.0K   dist/styles.b2328beb0372c051d06d.bundle.js

/Users/Meligy/Code/temp/cli-tests/jqtest [git::master *] [Meligy@MeligyMBP] [23:09]
> du -sh dist/*.js.gz
120K   dist/main.9d41e71516c55eaafae1.bundle.js.gz
32K    dist/scripts.69f7783d204ca5f33ffc.bundle.js.gz
```

That said, AoT isn't super ready in the Angular CLI regardless of jQuery. It doesn't work that well with routing, especially lazy routing (which I didn't use in this example app).

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Steve J • 3 years ago

Just wondering why would you want jQuery in your Angular 2 app and is it safe approach of mixing these two?

^ | v • Reply • Share ›



Aleksander Rebula ➔ Steve J • 2 years ago

I agree mixing angular and jQuery might not be a great idea however what if you want to re-use a an excellent jQuery plugin

I agree, mixing angular and jquery might not be a great idea, however, what if you want to use an excellent jquery plugin in your site? well, then you need to support jquery.

1 ^ | v • Reply • Share ›



elmota → Steve J • 2 years ago

I use a simple technique to show toast messages using JQuery, the line of code to do it is one simple packaged script, the thing is, it can be done using vanilla javascript, but in angular? it was absolutely crazy, too many variables, too much maintenance, it ended up on many files, with many event watching and cleaning and tracking and life hooks, so do we need jquery? may be not, but for regular javascript, not for angular2 replacement .. in my opinion that is

1 ^ | v • Reply • Share ›



Chris Curnow • 2 years ago

It's not working for me. It is not recognising the variable jquery. Strange because there is not much I can do wrong???

^ | v • Reply • Share ›



Chris Curnow → Chris Curnow • 2 years ago

Ok, I worked out jquery is not being recognised as a global variable but "\$" is. Must be something I've done the track over the last year!!

^ | v • Reply • Share ›



Aleksander Rebula → Chris Curnow • 2 years ago

To me when I run ng serve, I get the message that it cannot find name '\$'. :(

^ | v • Reply • Share ›

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Aleksander Rebula → Chris Curnow • 2 years ago

Same here... Did you find the solution? I am still struggling...

^ | v • Reply • Share ›



Alexander Cyclist • 2 years ago

Hi !!! I'm try your way, but i got error in browser :

MyPorject/src/app/pages/main/slider/slider.component.ts (43,21): Cannot find name 'jQuery'.)

slider.component.ts:

```
export class SliderComponent implements OnInit {
```

```
ngOnInit() {  
  console.log(jQuery.fn.jquery);  
}  
}
```

How to fix it ?

^ | v • Reply • Share ›



Adrian Rivera • 2 years ago

Thanks much!

^ | v • Reply • Share ›



Chu Quang Tu • 2 years ago

Sorry but could you help about loading jquery plugins ? e.g datepicker. How should we load if we only want to use some plugin on some specific pages only ?

1 ^ | v • Reply • Share ›



Manoj Raj • 2 years ago

how to publish and host angular 2 with .net core application on iis 7 in windows server 2008 and windows 7,8,10.

thanks and regards,

manoj

^ | v • Reply • Share ›



Jon • 2 years ago

When I try to use \$ in a service the transpiler says "Cannot find name \$". Thoughts on correcting this? Thanks.

^ | v • Reply • Share ›



Aleksander Rebula ➔ Jon • 2 years ago

Same here.. have you find the solution? I would appreciate if you could share it. Thank you in advance.

^ | v • Reply • Share ›



midhilaj m (milla) • 2 years ago

How to solve this problem

<https://stackoverflow.com/q...>

67 ^ | v • Reply • Share ›



Aleksander Rebula → midhilaj m (milla) • 2 years ago

Thank you, but this solution implies that if using

```
declare var $:any;
```

then your jQuery is not typed. I knew about this solution, however I want to have jQuery typed as well.

^ | v • Reply • Share ›



JuniorM • 2 years ago

Install jQuery. (skip if already installed): `npm install jquery --save`

Install types for jQuery: `npm install @types/jquery --save`

Import jQuery in `app.module.ts`: `import * as $ from 'jquery';`

Then in `constructor({})` of your component you can add: `$(document).ready(function() { console.log('jquery is working'); });`

ref: <https://stackoverflow.com/q...>

2 ^ | v • Reply • Share ›



Aleksander Rebula → JuniorM • 2 years ago

Did you try this solution? I tried and it does not work for me.

^ | v • Reply • Share ›



Aleksander Rebula → Aleksander Rebula • 2 years ago

Correction. This does work! :D I tried it early today and was unsuccessful for some reason. So for the whole day I've been trying to find the solution. WOW! LOL I need to go give a point to the guy! :D

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Aleksander Rebula • 2 years ago

OK, so I got it working, thank you! However I did not have to include anything into `.angular-cli.json`.

^ | v • Reply • Share ›



Carlos Estrada • 2 years ago • edited

this is pretty straight forward,

Add to the steps:

Import on the desired component:

```
import $ from 'jquery/dist/jquery';
```

and to test:


```
$( document ).ready(function() {  
  console.log("jquery is ready to use on angular component");  
});
```

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 **Timmy** — Helpful Information , Thanks Meligy for sharing this Avatar:Timmy


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3 comments • 3 years ago

 **Bob Conroy** — While this approach works, it causes problems on Avatathe build server. On every development build, it wants to copy ...


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1 comment • 3 years ago

 **Sean** — The only issue I see is that for example, if I don't put Angular 2 (or 3 or 4 or something) in my Angular Kitchen sink ...

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1 comment • 3 years ago

 **Mohamed Zezo** — That's very useful for me, Thank you Avatar

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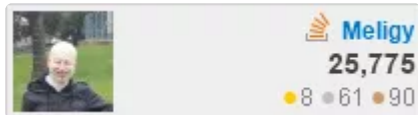


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