

Correct way of importing and using lodash in Angular

Asked 2 years, 7 months ago Active 6 months ago Viewed 20k times



I used to be able to use a lodash method in Angular by an import statement that looked like the following:

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```
import {debounce as _debounce} from 'lodash';
```



I now get the following error when using that statement:



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```
""{...}/node_modules/@types/lodash/index"" has no exported member 'debounce'.
```

The only thing that will compile without errors is this statement:

```
import * as _ from 'lodash';
```

In my code, I change `_debounce()` to `_.debounce()` . Is that the only (and/or correct) way to do it? Is there a way to only import debounce, or does it not matter due to "treeshaking"? I realize I can write my own debounce function, but I'm mainly interested in the "right" way to do this.

p.s. Other variations that I've tried (each has some sort of error associated with it):

```
import {debounce as _debounce } from 'lodash/debounce';  
import * as _debounce from 'lodash/debounce';  
import debounce = require('lodash/debounce');
```

FYI...I'm using the following versions:

Angular: 2.4.5

Typescript: 2.1.5

Angular-cli: 1.0.0-beta.26



asked Feb 1 '17 at 22:40



jloosli

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Possible duplicate of [Importing lodash into angular2 + typescript application](#) – BuZZ-dEE Jun 20 at 13:42

3 Answers



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*(if you care about tree shaking see **update**)*

I suppose in order to bring lodash in to your project you already done

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



If you want to import just required functions you should do:

```
import * as debounce from 'lodash/debounce'
```

or

```
import { debounce } from "lodash";
```

Use it as:

```
debounce()
```

BTW: You might have to downgrade your typescript version to 2.0.10 as you are using angular 2.x.

```
npm install typescript@2.0.10 --save-dev
```

UPDATE:

Recently I realised that [lodash](#) package is just not tree shakable, so if you need tree shaking just use [lodash-es](#) instead.

```
npm install lodash-es --save
npm install @types/lodash-es --save-dev
```

```
import debounce from 'lodash-es/debounce'
```

edited Aug 9 '17 at 9:58



Roy

3,328

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answered Feb 2 '17 at 0:03



Kuncėvič

11k

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Yes, I do have lodash and @types/lodash added. Thanks for the heads up on typescript. The two examples you gave used to work for me, but for some reason, they don't any more. For example, using your first example, I get the following error: Module ""{path_to_project}/node_modules/@types/lodash/debounce/index"" resolves to a non-module entity and cannot be imported using this construct. At this point, it's working for me, but I'm mainly curious as to how/why things changed. – jloosli Feb 2 '17 at 16:50

1 I've got @types/lodash@4.14.44 and lodash@4.17.2 in my project. import { debounce } from "lodash"; works for me. – Kuncėvič Feb 3 '17 at 2:41

You can reference the _ function as {chain}, also. – alalonde Aug 11 '17 at 19:34

lodash-es can't be used in JIT and AOT simultaneously without ensuring the set up is correct. Could you add or demonstrate (link to) a setup that has lodash in an angular app with both JIT and AOT @Kuncėvic ? – Sean Newell Aug 18 '17 at 17:38

Thank you, you save my time – Risky Key Nov 16 '17 at 10:05

This solved it for me, as written under "updated" by Kuncėvič and edited by Roy

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```
yarn add lodash-es
yarn add @types/lodash-es --dev
```

```
import { debounce as _debounce } from 'lodash';
```

I had to import the es-modules, else I was given compilation errors - most likely due to my configuration (tsconfig.json).

answered Feb 11 at 8:50



Marcus Ekström

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I had same problem and it started to work after I changed "@types/lodash" to version "4.14.50".

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answered Feb 2 '17 at 21:32



[Dawid Lubowiecki](#)

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- 1 While this link may answer the question, it is better to include the essential parts of the answer here and provide the link for reference. Link-only answers can become invalid if the linked page changes. - [From Review](#) – [Mohan Gopi](#) Nov 11 '17 at 9:50
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- 1 @MohanGopi Where's the link? – [Gert Arnold](#) Nov 11 '17 at 10:28
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