

# After upgrade to Angular 9 cannot find variable in typings file

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I have a reference to an external logging component (referenced in a js file), which I have defined in a typings file

3

**typings.d.ts**



```
declare var LogglyTracker;
```



1

I have upgraded my angular application from version 8 to 9, and now when I run **ng build**, I get the following error



ERROR in src/app/error/loggly.service.ts:13:29 - error TS2304: Cannot find name 'LogglyTracker'.

Does anyone know what the recommended way to fix this problem is? This code worked fine in Angular 8.

```
@Injectable()
export class LogglyLoggerService {

  // https://github.com/loggly/loggly-jslogger
  private loggly: any = new LogglyTracker(); ///!! Error here
}
```

angular

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edited Feb 3 at 20:11



Bill P

3,170 ● 9 ● 14 ● 27

asked Jan 22 at 11:40



jazza1000

2,844 ● 2 ● 32 ● 50

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## 2 Answers

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Well for me the resolution was to add the following to the top of service file:

1

```
/// <reference path="../../typings.d.ts" />
```



reference is apparently another way to import type definitions into code, more info [here](#)



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answered Jan 23 at 9:03



jazza1000

2,844 ● 2 ● 32 ● 50

1

This shouldn't be necessary. If you have a lot of these files it is not maintainable. There must be another solution. –

[user2846469](#) Feb 10 at 10:33

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I had exactly the same problem as the author - after upgrade to Angular 9, my local type definitions were no longer found.

1

In Angular 8, I added references to them in `tsconfig.json`



```
"typeRoots": [  
  "node_modules/@types",  
  "../src/typings/my-lib/index.d.ts"  
  "node_modules/@types"  
]
```

After upgrading to Angular 9, `my-lib` was no longer found. I generated a new app using Angular 9 CLI, and found that 2 files reside in different locations:

- `src/tsconfig.app.json` -> `tsconfig.app.json`
- `src/tsconfig.spec.json` -> `tsconfig.spec.json`

I made similar change in my migrated project, updated references to these files in `angular.json`, and corrected pointers to other files in `tsconfig.app.json` and `tsconfig.spec.json`

As a result, my `tsconfig.app.json` looks like:

```
{
  "extends": "../tsconfig.json",
  "compilerOptions": {
    "outDir": "../out-tsc/app",
    "types": ["jest"]
  },
  "files": [
    "src/main.ts",
    "src/polyfills.ts"
  ],
  "include": [
    "src/**/*.d.ts"
  ]
}
```

Note that all `d.ts` files placed under `src` directory will be pulled in automatically (no reference in `typeRoots` section of `tsconfig.json` is necessary)

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answered Feb 21 at 9:51



[Lesiak](#)

5,448 ● 1 ● 12 ● 33


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**B**


*I*





























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