

ProvidedIn root, any & platform in Angular

2 Comments / 2 minutes of reading / March 9, 2023

← [Singleton Service](#)

[Angular Tutorial](#)

[Self, SkipSelf & Optional](#) →

The `providedIn` allow us to specify how Angular should provide the dependency in the service class itself instead of in the [Angular Module](#). It also helps to make the service tree shakable i.e. remove the service from the final bundle if the app does not use it.

Table of Contents

[ProvidedIn root](#)

[Lazy Loaded Service](#)

[ProvidedIn any](#)

[ProvidedIn platform](#)

[Reference](#)

ProvidedIn root

Use the `ProvidedIn root` option, when you want to register the application-level singleton service.

The `root` option registers the service in the Root Module Injector of the Module Injector tree. This will make it available to the entire application. This is irrespective of whether the service is lazy loaded or eagerly loaded.

If it is never used it will not be added in the final build (tree shaking)

Lazy Loaded Service

Using `ProvidedIn root` adds it to the Root Module Injector and makes it application-wide singleton

Registering the service in a `@NgModule` will make it available in that Module only (Singleton within the Module Scope)

Using both makes it singleton for the rest of the application, while it creates a separate instance for that Module

ProvidedIn any

Use `ProvidedIn: any` when you want every lazy-loaded module to get its own instance of the service.

```
1  
2 @Injectable({  
3   providedIn: 'any'  
4 })  
5 export class SomeService{  
6 }
```

The eagerly loaded modules always share the instance provided by the Root Module Injector. Hence this will not have any effect on them.

ProvidedIn platform

As per the [documents](#)

A special singleton platform injector shared by all applications on the page.

the `platform` allows us to add the service to the Providers of the Platform Injector. If you recall, the Platform Injector is the parent of the Root Module Injector in the [Module Injector tree](#)

```
1
2 @Injectable({
3   providedIn: 'platform'
4 })
5 export class SomeService{
6 }
7
```

This is useful if you have multiple Angular Apps running on a single page.