

Angular 2 dependency injection in pipes

Asked 3 years, 7 months ago Active 4 months ago Viewed 17k times

How can i inject dependencies like a service into angular2 pipes?

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```
import {Pipe, PipeTransform} from 'angular2/core';
import {MyService} from './service';
```

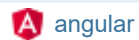
//How i am injecting MyService to the pipe?



1

```
@Pipe({name: 'exponentialStrength'})
export class ExponentialStrengthPipe implements PipeTransform {
  transform(value:number, args:string[]) : any {
    return Math.pow(value, parseInt(args[0] || '1', 10));
  }
}
```

typescript



edited Feb 8 '16 at 5:01



SnareChops

9,866 7 57 84

asked Feb 7 '16 at 18:47



user233232

2,207 6 17 30

1 Answer

You can inject the dependency in the constructor like this:

44

```
export class ExponentialStrengthPipe implements PipeTransform {
```

```
  constructor(public testService: TestService) {
```

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```
transform(value:number, args:string[]) : any {  
    // you can access this.testService here  
    return Math.pow(value, parseInt(args[0] || '1', 10));  
}  
}
```

Don't forget to make sure you add this dependency to the app module:

```
@NgModule({  
  declarations: [...],  
  imports: [...],  
  providers: [..., TestService],  
  bootstrap: [AppComponent],  
})
```

edited Apr 17 at 11:29



Liam

17.3k

16

80

134

answered Feb 7 '16 at 19:01



Bazinga

6,894

3

26

49

Thanks! Do you know if there is a way to inject `TestService` for only the Pipe instead of the whole application? e.g. With a `providers` array. – [maximedupre](#) Apr 3 '16 at 21:39

I don't think it's possible. The pipe decorator only except name and pure properties. – [Bazinga](#) Apr 4 '16 at 12:49

- 1 [@maximedupre](#) you could use an `NgModule` that only declares your pipe. The `TestService` would be provided in that module only, thus the `TestService` is only available to the pipe and not the whole application. – [Philip Bulley](#) Sep 29 '16 at 16:03

I am having an issue with this because I have a service that consumes the pipe as well (the service injected into the pipe is the route to decorate with the url). So In this case Typescript throws an error if I don't inject the `ActivatedRoute` into my service and pass it through `private prefPipe: PagePreferencesPipe = new PagePreferencesPipe(routerFromService);` Is there a way I can avoid this by injecting into the service or something? – [Jackie](#) Feb 23 '17 at 14:43

how do you unit test this? – [danday74](#) Oct 24 '18 at 14:01

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