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Juri Strumpflohner

with a special pas  
creates online vid  
tech magazines, s  
Juri is also a recog

# Angular referrer object? Learn how object in components

## Hey! Let's stay in touch

I'm launching a newsletter to share my thoughts & news about the latest web tech stuff. I'd love to have u on board :)

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## components

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Sep 20, 2016 3 min read

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**Productive Git for Developers**

 egghead.io  by Juri Strumpflohner

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Remember the `$window` object in Angular 1? Turned out to be quite useful from now and then. But what about Angular? `$window` doesn't exist there. What's the alternative? How can I inject the `Window` object into my Angular components?

Contents are base

Referencing globa

from within your

bad practice.

### Table of content

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Especially Angula  
also on mobiles, t  
may not be available.

Therefore the expected approach is to use a third-party library

Therefore the suggested approach is to **wrap such objects and inject them through the dependency injection mechanism**. This way it is possible to change the concrete runtime instance of a given object based on the environment the Angular application is running. **The result we wanna achieve** is the following:

```

..Newsletter
import { WindowRef } from './WindowRef';
AMA
@Component({...})
class MyComponent {

    constructor() {
        // gett:
        console.log(window);
    }
}

```

So let's see.

## Wrappin

A very straightforward  
Angular service. T  
with **@Injectable**

```

import { Injectable } from '@angular/core';

function _getWindowRef() {
    // return the window object
    return window;
}

@Injectable()

```

```
export class WindowRef {
  get nativeWindow() : any {
    return _window();
  }
}
```

## Register WindowRef as provider

Great, so far we've wrapped our `window` object. We aren't ready yet, however. We first need to register our injectable service. This is done by registering it on the

component, base

[docs on providers](#)

```
import { WindowRef } from '@angular/core';

...

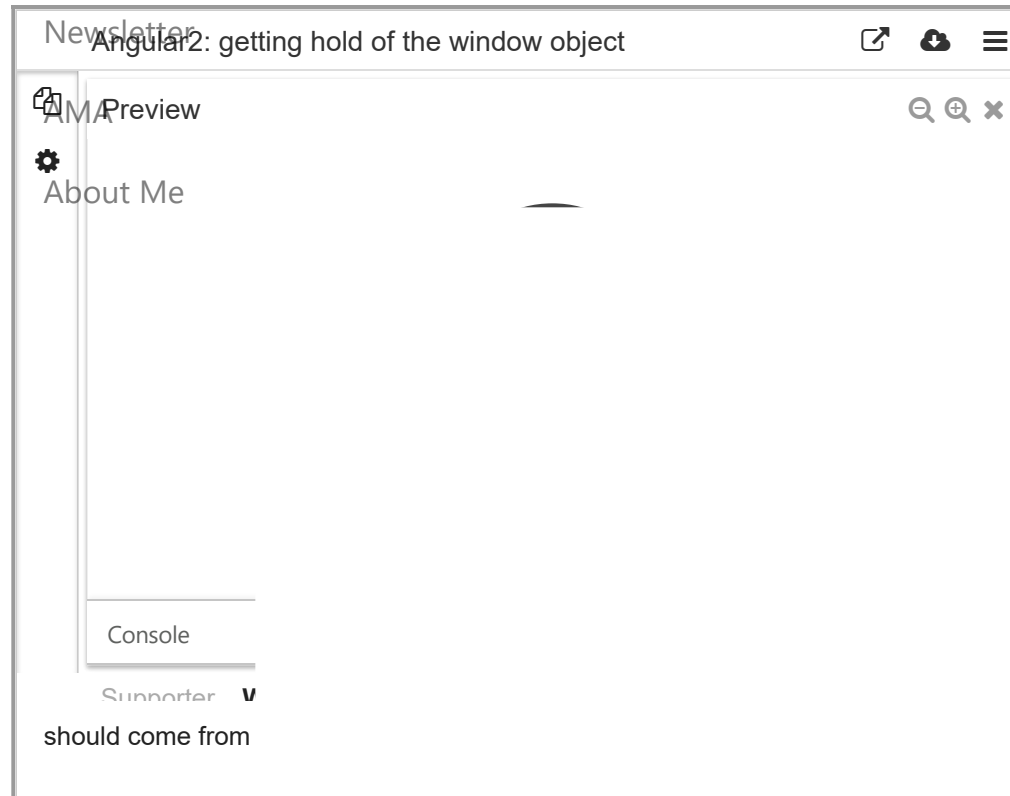
@NgModule({
  ...
  providers: [WindowRef]
})
export class AppComponent {
```

## Try it yourself

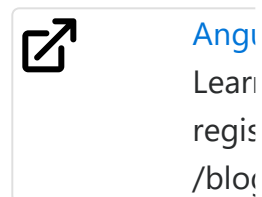
Great, we're ready to use the `WindowRef` service in our Angular component.

Here's a Plunker to try it out:

<https://plnkr.co/e>

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Sadly, when using Angular, I feel like using Java  
...

hahahaha

^ | v • Reply • Share ›

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**Kashif** • 2 years ago

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Why are you using the method

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```
function _window() : any {
  // return the global native browser window object
  return window;
}
```

Instead of directly returning the window object in nativeWindow() method

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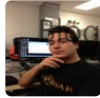
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**Aluan Haddad** • a year ago

While this article is no doubt helpful to people it contains some very poor coding practices. I see people on stack Overflow referring to this article as justification for writing the following code

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```
export class MyComponent {
  window: any = window;
}
```

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}
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to generate a windowRef.ts, put all the code inside of that  
and inject it into the component where you want to use the



Angular: How do I get a reference to the window object? | juri.dev  
and inject it into the component where you want to use the window object.

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**Juri** Mod ➔ Marc CR • 2 months ago

In the latest version of Angular it's not even necessary any more. Masking the Window behind a class was just necessary to be able to inject a "fake" version of it when doing server side rendering (or in an environment where it is not available). I've not yet verified it myself, but afaik Angular now takes care of



**Dan King**

There is a  
object dir

```
providers:
{ provide:
]
```

Then you  
service:

```
constructor(private window: Window) {
  ..
```

// ...

Home}

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**Juri** Mod → Dan King • 13 days ago

Totally! I need to update this article, became a bit outdated.

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AMA

**Ranjith Varatharajan** • a month ago

So I have done the same thing in my app, instead of window object, I wrapped localStorage object. (<https://stackoverflow.com/q...> My question is

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^**Oka** • a year

how to use that in testing:

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**José Fernando Camilo** • a year ago

if I use this object, how is it possible to close the broser  
programmatically?

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**Juri** Mod ➔ José Fernando Camilo • a year ago

AMA

afaik you cannot close the "browser". You can  
programmatically close a popup browser window you

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launched. You'd have to do some research online however  
as

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**Khaled Ab**

just do thi

var doc =

var win =

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Dan • 2 years ago

I would rather KIS

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@Inject("Window") private window: Window

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then

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let window = this.window || window;

AMA

Thas it if the problem is AOT

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Navin Kun

hello plea

import { Ir

```
function _
// return tl
return wir
}
```

```
@Injectal
export cla
get native
return _w
}
}
```

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This comment




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to

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 **Vladymyr <TRAHOMOTO>** • 2 years ago • edited

Blog So we can use DI provider

Collections:

```
{ provide: WindowRef , useFactory: () => {
  // todo - some logic to check environment and make correct
  return ... ;
}}
```


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...

AMA

And share some initial data for Ng2 application from outer world :)  
Thankyou"

^ | v .

 **D.**  
Co  
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**Daniel "Dr"**

Love you

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**Ju**

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**bertrandg**

Thanks for  
Is this wa  
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**Rohin Len**

Thanks for  
on a chat

Is there a  
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see more

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**D. Attila** ➔ Vladymyr <TRAHOMOTO>

• 2 years ago

Thanks a lot, that really cleared it up for me!

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