

How can DateTimeFormatInfo.CurrentInfo be null

Asked 11 years, 6 months ago Modified 3 years, 6 months ago Viewed 688 times



I have the following code in my C# application.

6

```
DateTimeFormatInfo.CurrentInfo.DayNames
```



ReSharper 7.1.1 is highlighting the fact that the `DateTimeFormatInfo.CurrentInfo` could cause a null reference exception.



Under what circumstances would this occur? Or is this just a mistake on ReSharper's part believing that any object whose property you access should be null checked?

c#

resharper

nullreferenceexception

resharper-7.1

datetimeformatinfo

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edited Jun 16, 2013 at 12:06



Dmitry Osinovskiy

10.1k ● 1 ● 49 ● 38

asked Jun 4, 2013 at 18:02



Ryan Gates

4,539 ● 7 ● 52 ● 91

1 Answer

Sorted by: Highest score (default)



ReSharper is most probably just doing lexical analysis here and nothing deeper.

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Since `DateTimeFormatInfo` is a class, a variable of this type *can* be `null`. Which means that the instance returned by `DateTimeFormatInfo.CurrentInfo` *can* be a `null` reference.



That's the error you are getting.



ReSharper doesn't understand that the method was coded such that it will not return a `null` reference, so it gives a warning.



Don't take the messages from ReSharper as scripture...

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edited Jun 25, 2021 at 2:28



Pang

10.1k ● 146 ● 85 ● 124

answered Jun 4, 2013 at 18:06



Oded


498k ● 102 ● 893 ● 1k

You make an excellent point. I wanted to make sure I understood why this was the case.

– [Ryan Gates](#) Jun 4, 2013 at 18:11

- 1 I don't know what the correct answer is, but I'm pretty sure this answer is incorrect. ReSharper is much too smart to just flag all situations where a property returns an object reference as a possible null reference error - if it did that all programs would get hundreds of these errors. As a specific counter-example I can point out that use of `DateTimeFormatInfo.InvariantInfo.DayNames` does not get flagged as a possible null reference error. – [RenniePet](#) May 24, 2014 at 1:53
-

Someone should query JetBrains to get the correct answer. Maybe it's a bug in version 7.1. Or maybe it's possible for some strange fringe cases where the current culture info has been set to a programmer-created culture that `DateTimeFormatInfo.CurrentInfo` can actually return null. – [RenniePet](#) May 24, 2014 at 1:55

- 1 It's interesting that `DateTimeFormatInfo.Current` is flagged as possibly null but `CultureInfo.CurrentCulture.DateTimeFormat` is not. – [Jaanus Varus](#) Sep 14, 2016 at 16:11 
-

FWIW... here's an example: 0 app 0x0169994a GetStackFrames () (vector:368) 1 app 0x0167d961 Raise (Il2CppException) (Exception.cpp:30) 2 app 0x0167da3d RaiseNullReferenceException (StringView<char16_t>) (Exception.cpp:61) 3 app 0x0167da31 RaiseNullReferenceException () (Exception.cpp:56) 4 app 0x00af00b1 DateTimeFormatInfo_get_CurrentInfo_m1648708929 (Il2CppObject, MethodInfo) (il2cpp-codegen.h:342) 5 app 0x00aefed9 DateTimeFormatInfo_GetInstance_m3133223810 (Il2CppObject, Il2CppObject, MethodInfo) (Bulk_mscorlib_2.cpp:8800) ... – [user107172](#) Nov 13, 2017 at 22:00 