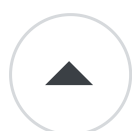


How can I determine whether a given date is in Daylight Saving Time for a given timezone in .NET 2.0?

Asked 16 years, 3 months ago Modified 15 years, 2 months ago

Viewed 1k times



3



I'm on .NET 2.0, running under Medium Trust (so [TimeZoneInfo](#) and the Registry are not allowed options).

I'm asking the user for two dates and a time zone, and would really love to be able to automatically determine whether I need to adjust the time zone for DST.



This probably isn't even a valid scenario unless I have some very robust support, a la [TimeZoneInfo](#), to differentiate between all of the different varieties of Time Zones in the first place.

.net

.net-2.0

timezone

medium-trust

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edited Oct 9, 2009 at 20:14

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asked Sep 4, 2008 at 21:11



[bdukes](#)

156k ● 25 ● 150 ● 176

5 Answers

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2



In .NET 2.0 you have to code this yourself. It involves researching daylight savings time laws in various regions and building that into your own data structures. The problem is somewhat simplified if you only care about a subset of time zones, for example just in the USA, but if you need all global time zones, you have a lot of work to do, and then the code has to be updated every few years when the laws change. Even the new time zone objects in the latest version of .NET will require windows updates to keep them correct as laws change.

Look [here](#), [here](#), and [here](#) for more info.

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answered Sep 4, 2008 at 21:44

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Eric Z Beard

38.4k ● 27 ● 101 ● 147

-
- 1 Not to mention that if you want to accurately determine DST status for historical dates, besides having to keep up to date, you have to archive all DST rules that have ever applied in those time zones. No operating system or library I'm aware of currently does this. – [Mihai Limbășan](#) Oct 1, 2008 at 14:54
-



2

The [TZ Database](#) is a public domain database of timezone rules that is very well maintained. There is also a compiled format for the data they provide, and there are lots of libraries available to read the compiled data, like



this one: [ZoneInfo \(tz database / Olson database\) .NET API](#)



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answered Oct 1, 2008 at 14:44

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Daryl

1,043 ● 1 ● 8 ● 9



Excellent timezone library here: [TZ4Net](#)

2

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answered Oct 1, 2008 at 14:49

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Chris Shaffer

32.6k ● 5 ● 51 ● 61



0

Well, since `TimeZoneInfo` is excluded, you're probably not going to find a solution in the framework itself (but don't quote me on that).



In which case, have you considered reflectoring the `TimeZoneInfo` class and using what you find there?



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answered Sep 4, 2008 at 21:20

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Domenic

113k ● 42 ● 226 ● 273



@[Domenic](#), I've considered, but I'd prefer to stay legal, and I'm fairly sure the information would have to be

0

embedded into the framework anyway, or grabbed from the registry in some sneaky way that doesn't require permissions...



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edited May 23, 2017 at 12:13



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answered Sep 4, 2008 at 21:22



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