

Re: Time Zone and DateTime woes.

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- *From:* "Satish Itty" <NO_SPAMsitty@claytonDOTcom>
 - *Date:* Tue, 17 Oct 2006 11:12:27 -0400
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My problem is that for most of the cases I'm storing only the dates so I don't really want them to be converted to local time. Every user no matter what time zone they are in should see the same date. But since I'm using the date time variable with time part as 00:00:00 when it gets converted to the local time of a time zone behind the server all the dates are off by a day.

HTH

Satish

"Brian Gideon" <briangideon@xxxxxxxxxx> wrote in message
<news:1161046214.977950.70860@xx>

Satish,

I recommend storing, calculating, and manipulating times in UTC. When it comes time to display the time to the end user then convert to the local time zone. There are several advantages with this approach. Any mistakes made in converting to the local time zone aren't as critical since it only effects how the data is displayed and not how it's stored or calculated. Also, you can completely ignore the effects of daylight saving time except where displayed to the end user. The daylight saving time logic can get a little complicated especially when dealing with multiple time zones that have different definitions of it. Or worse, the definitions change with time (ie. the United States will use a different definition starting next year). And of course, you can always assume 24 hours in a day when using UTC.

Brian

On Oct 16, 1:18 pm, "Satish Itty" <NO_SPAMsitty@claytonDOTcom> wrote:

Hi all,

I have a big problem in my hands and not sure how I can fix this. Any suggestions would be greatly appreciated.

I have a .NET 3 tier app developed in VS2003 and .NET 1.1. the client is a windows application and middle tier runs on IIS. Data is passed between the

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client and middle tier as DataSets and custom value object classes. The problem in my hand is that the client application is deployed in different time zones and the middle tier is in Eastern Time Zone. So the users in time zones different from eastern time zone see the datetime adjusted to their local time, which messes up the system. A lot of the datetimes we use are just for storing dates only the time part is 00:00:00 and the problem is some user whose time zone is behind eastern time see this the date is off by a day. On searching internet some of the alternatives I found was to convert datetimes into string which is not possible in my case because I have date calculation going on the client. What are my options here to rectify this issue ?

Thanks in advance.

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Satish