

## How can i split date and time separate?

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I have a datetime column in mysql db column and I need to show it in separate date and time textboxes.

3

My datetime format in db is 2014-12-24 17:23:35 . And I want in:



**Date** : 2014-12-24

**Time** : 17:23:35



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How can I do it in c#?

[c#](#)

edited Dec 26 '14 at 6:03

[jww](#)

53.8k 40 232 508

asked Dec 26 '14 at 3:37

[vim](#)

330 3 5 21

- 1 Have you managed to retrieve it from the database yet? How are you accessing the database? Include as much as possible about what you've got so far. There aren't enough details in here to provide you with a clear, concise answer. – [Grant](#) Dec 26 '14 at 3:39

[msdn.microsoft.com/en-us/library/...](http://msdn.microsoft.com/en-us/library/...) – [Maria Ines Parnisari](#) Dec 26 '14 at 3:39

You should look into DateTime.TryParseExact – [gimpycpu](#) Dec 26 '14 at 3:40

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Is this WinForms, WPF, ASP.NET, ...? Do the text boxes need to be editable, or just read-only? – [Tim S.](#) Dec 26 '14 at 3:50

My datetime format in db Databases don't store dates in a "format". To any DB engine it's just a number, and the format depends on how you interpret it client-side afterwards. – [Alejandro](#) Dec 26 '14 at 4:42

## 6 Answers



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```
DateTime dtValue; // load your date & time into this variable
TextBox1.Text = dtValue.ToString("yyyy-MM-dd");
TextBox2.Text = dtValue.ToString("HH:mm:ss");
```

answered Dec 26 '14 at 5:18

[Tien Dinh](#)

835 5 9

1 how can we load a string in date time variable? – [vim](#) Dec 26 '14 at 8:17

2 Thanks a lot your solution is working absolutely fine. – [vim](#) Dec 26 '14 at 9:05

This is an absolutely worst idea. One should never treat date and time values as strings. The time you will spend formatting and parsing is considerable and potential for errors is substantial. Use controls, which have been build to process date and time values, not TextBoxes. – [Darek](#) Dec 26 '14 at 17:20

1 I personally don't use text boxes to receive date & time input, however it is perfectly fine to use text boxes as a readonly display of date & time. – [Tien Dinh](#) Dec 27 '14 at 16:02



You can retrieve your `datetime` column as a `DateTime` object, and then format it twice - once with a format that ignores the time part,

7 and once with a custom format that ignores the date part.



```
var d = new DateTime(2014,12,26,17,21,30);
Console.WriteLine("Date: {0:d/M/yyyy} Time: {0:hh:mm:ss}", d);
```

[Demo.](#)

or

```
var d = new DateTime(2014,12,26,17,21,30);
var dtPart = d.ToShortDateString();
var tmPart = d.ToShortTimeString();
```

edited Dec 26 '14 at 4:06

answered Dec 26 '14 at 3:43



[dasblinkenlight](#)

617k 61 792 1210

1 You could also use `DateTime.ToShortDateString();`  
`DateTime.ToShortTimeString();` It makes for much cleaner and more  
 readable code. – [prospector](#) Dec 26 '14 at 4:04

@prospector Edited. Thanks! – [dasblinkenlight](#) Dec 26 '14 at 4:06



My datetime format in db is 2014-12-24 17:23:35

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Datetime in a database does not have a format. It is stored in its  
 native binary form. If you only need to display, as in no updates  
 expected, than **use the same database column twice**, while

leveraging two string formats, one for just date part, and one for only time part, for example in .Net apps you can use "d" and "t".

Some code for you:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Default.aspx" Inherits="WebApplication1.Default" %>

<!DOCTYPE html>
<%
    var dateTimeColumnFromDatabase = DateTime.Now;
%>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <p>Date: <%= dateTimeColumnFromDatabase.ToString("d") %></p>
    <p>Time: <%= dateTimeColumnFromDatabase.ToString("t") %></p>
</body>
</html>
```

Of course you have to plug in your database code in place of

`DateTime.Now`

If you use any 3rd party controls, they usually have Format property where you can specify the needed formatting for display.

edited Dec 26 '14 at 4:30

answered Dec 26 '14 at 4:03




[Darek](#)

3,508 19 37

I can't take two columns in database. In database it is only one column `datetime`. I need to show it on asp.net page by c# code – [vim](#) Dec 26 '14 at 4:13

I have not said two columns in the database. Two columns on display, which is what you have asked for. – [Darek](#) Dec 26 '14 at 4:14

@Dqarek but will this code can split database datetime column in date and time sepratley? – [vim](#) Dec 26 '14 at 6:57

The database datetime column contains both parts of the datetime value, date and time. I am oversimplifying here, because they are not parts per se. During display or edit, you can address them separately or together. If you check .Net docs, you will find out that a DateTime has separate properties for Date and Time, but they are part of the same value of DateTime. Makes sense? – [Darek](#) Dec 26 '14 at 17:17 

If you already have a [DateTime](#) object, this is simple:

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- The [Date](#) property returns just the date part
- The [TimeOfDay](#) property returns just the time part

answered Dec 26 '14 at 4:19



– [Jonathon Reinhart](#)

91.8k 20 167 236

@Jonathaan how can I split it in two different textboxes in c# – [vim](#) Dec 26 '14 at 4:23

I found a simple way of doing it, if you are still having trouble.

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```
result= "7/26/2017 12:00:00 AM"; Whatever your variable is
string[] Separate = result.Split (' ');
string desiredDate = Separate [0];
Debug.Log (desiredDate);
```

If you need the time, just create a variable with the second array element.

answered Jul 26 '17 at 19:25



Ken Gordon

79 2 14



0



```
DateTime Date = DateTime.Parse(txtDate.Text).ToShortDateString(); //  
DateTime Date = DateTime.Parse(txtDate.Text).ToShortTimeString(); //
```

answered Dec 26 '14 at 5:33



farrukh aziz

97 1 8