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Best way to create a Midnight DateTime in C#

Asked 10 years, 10 months ago Active 7 months ago Viewed 59k times



I need to create a midnight DateTime

69

I've just done this:



```
DateTime endTime = DateTime.Now;  
endTime.Subtract(endTime.TimeOfDay);
```



6

Haven't test it yet, I'm assuming it works but is there a better/cleaner way?

c#

datetime

asked Oct 29 '08 at 9:29



[endian](#)

2,434 7 30 37

7 Answers



Just use `foo.Date` , or [DateTime.Today](#) for today's date

155



edited Feb 7 at 12:02



[Bakudan](#)

14.7k 8 43 67

answered Oct 29 '08 at 9:31



[Marc Gravell](#) ♦

821k 212 2223
2621



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`DateTime today;`

14



answered Oct 29 '08 at 9:32

[mmiika](#)

4,967 4 25 34

`DateTime.Now . AddDays(1) . Date`

13



edited Feb 7 at 12:06

[Bakudan](#)

14.7k 8 43 67

answered Oct 29 '08 at 9:35

[WebDude](#)

4,825 5 29 42

11 I think `DateTime.Today.AddDays(1)` is nicer than this. – [Ian Grainger](#) Jan 5 '16 at 15:23

`DateTime endTime = DateTime.Now.Date;`

12

Now `endTime.TimeOfDay.ToString()` returns "00:00:00"

answered Oct 29 '08 at 9:40

[zendar](#)

9,592 11 49 73

You can use `DateTime.Today` with exact seconds of the midnight.

6



```
DateTime today = DateTime.Today;
DateTime mid = today.AddDays(1).AddSeconds(-1);
Console.WriteLine(string.Format("Today: {0} , Mid Night: {1}", today.ToString(),
mid.ToString()));

Console.ReadLine();
```

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Today: 11/24/2016 10:00:00 AM , **Mid Night:** 11/24/2016 11:59:59 PM

answered Nov 24 '16 at 7:32



[Aruna](#)

945 3 16 32

This helped a lot and it is exactly what i wanted – [Matthias McCarthy](#) Feb 9 '18 at 8:49

@Matthias good to hear that. Cheers! – [Aruna](#) Feb 9 '18 at 9:13

2 Midnight is the first one - it's the very first second of the day, not the last. – [Paul Suart](#) Mar 1 '18 at 9:00

`var dateMidnight = DateTime.ParseExact(DateTime.Now.ToString("yyyyMMdd"), "yyyyMMdd",
CultureInfo.InvariantCulture);`

answered Jan 22 at 20:26



[Peter](#)

21

3 In addition to providing some code, please add some additional details about why your solution works and how it differs from previous solutions. – [wlh](#) Jan 22 at 20:49

```
private bool IsServiceDatabaseProcessReadyToStart()
{
    bool isGoodParms = true;
    DateTime currentTime = DateTime.Now;
    //24 Hour Clock
    string[] timeSpan = currentTime.ToString("HH:mm:ss").Split(':');
    //Default to Noon
    int hr = 12;
    int mn = 0;
    int sc = 0;
```

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```
,
else
{
    isGoodParms = false;
}

if (!string.IsNullOrEmpty(timeSpan[1]))
{
    mn = Convert.ToInt32(timeSpan[1]);
}
else
{
    isGoodParms = false;
}

if (!string.IsNullOrEmpty(timeSpan[2]))
{
    sc = Convert.ToInt32(timeSpan[2]);
}
else
{
    isGoodParms = false;
}

if (isGoodParms == true )
{
    TimeSpan currentTimeSpan = new TimeSpan(hr, mn, sc);
    TimeSpan minTimeSpan = new TimeSpan(0, 0, 0);
    TimeSpan maxTimeSpan = new TimeSpan(0, 04, 59);
    if (currentTimeSpan >= minTimeSpan && currentTimeSpan <= maxTimeSpan)
    {
        return true;
    }
    else
    {
        return false;
    }
}
else
{
    return false;
}
}
```

edited Jan 24 '17 at 20:39

answered Jan 24 '17 at 19:41

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Welcome to StackOverflow. In addition to providing some code, please provide some additional details about why your solution works and how it differs from previous solutions. – [buczek](#) Jan 24 '17 at 20:27

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