

# 1 System.ObsoleteAttribute Class

```
2 [ILAsm]  
3 .class public sealed serializable ObsoleteAttribute extends  
4 System.Attribute  
  
5 [C#]  
6 public sealed class ObsoleteAttribute: Attribute
```

## 7 Assembly Info:

- 8 • *Name:* mscorlib
- 9 • *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- 10 • *Version:* 2.0.x.x
- 11 • *Attributes:*
  - 12 ○ CLSCompliantAttribute(true)

## 13 Type Attributes:

- 14 • AttributeUsageAttribute(AttributeTargets.Class | AttributeTargets.Struct |  
15 AttributeTargets.Enum | AttributeTargets.Constructor | AttributeTargets.Method |  
16 AttributeTargets.Property | AttributeTargets.Field | AttributeTargets.Event |  
17 AttributeTargets.Interface | AttributeTargets.Delegate, AllowMultiple=false,  
18 Inherited=false)

## 19 Summary

20 Indicates that the target of the current attribute will be removed in future versions of  
21 the assembly in which the target is contained.

## 22 Inherits From: System.Attribute

23  
24 **Library:** BCL

25  
26 **Thread Safety:** All public static members of this type are safe for multithreaded operations.  
27 No instance members are guaranteed to be thread safe.

## 28 29 Description

30 [Note: Marking an item as obsolete provides consumers of that item the information  
31 that the item will not be available in future versions of the assembly in which it is  
32 contained. A System.ObsoleteAttribute has a System.ObsoleteAttribute.Message  
33 property that can be used to suggest alternative ways of obtaining the functionality  
34 provided by the item, i.e. a workaround. This class also has a  
35 System.ObsoleteAttribute.IsError property that designates whether a compiler will  
36 treat usage of the obsolete item as an error. If this property is false, the compiler will  
37 issue a warning if the obsolete item is used and the compiler supports the generation of  
38 such warnings.  
39

1 This attribute can be applied to any valid attribute target except assemblies,  
2 parameters, and return values. For a complete list of valid attribute targets, see  
3 System.AttributeTargets.  
4  
5 ]

## 6 Example

7 The following example demonstrates the usage of System.ObsoleteAttribute to  
8 generate a compile-time warning.

```
9 [C#  
10  
11  
12 using System;  
13  
14 public class ObsoleteAttributeExample {  
15     [ObsoleteAttribute("OldMethod is being removed: use NewMethod in future  
16     versions.")]  
17     public static void OldMethod() {  
18  
19         //Execute some code here  
20     }  
21  
22     public static void Main() {  
23  
24         OldMethod();  
25     }  
26 }  
27  
28 ]
```

29 An example compile-time result is

```
30  
31 ObsoleteAttributeExample.cs(8,4): warning CS0618:  
32 'ObsoleteAttributeExample.OldMethod()' is obsolete: 'OldMethod is being  
33 removed: use NewMethod in future versions.'
```

34

# 1 **ObsoleteAttribute()** Constructor

```
2 [ILAsm]  
3 public rtspecialname specialname instance void .ctor()  
4 [C#]  
5 public ObsoleteAttribute()
```

## 6 **Summary**

7 Constructs and initializes a new instance of the `System.ObsoleteAttribute` class.

## 8 **Description**

9 This constructor is equivalent to `System.ObsoleteAttribute(null, false)`. The  
10 compiler does not treat an item with this attribute as an error.

11

# 1 ObsoleteAttribute(System.String)

## 2 Constructor

```
3 [ILAsm]  
4 public rtspecialname specialname instance void .ctor(string message)  
5 [C#]  
6 public ObsoleteAttribute(string message)
```

### 7 Summary

8 Constructs and initializes a new instance of the `System.ObsoleteAttribute` class with  
9 the specified `System.String` that contains suggested workarounds.

### 10 Parameters

Parameter	Description
<i>message</i>	The <code>System.String</code> that contains suggested workarounds.

### 11 12 Description

13 This constructor is equivalent to `System.ObsoleteAttribute (message, false)`. The  
14 compiler does not treat an item with this attribute as an error.

15

# 1 ObsoleteAttribute(System.String, 2 System.Boolean) Constructor

```
3 [ILAsm]  
4 public rtspecialname specialname instance void .ctor(string message, bool  
5 error)  
  
6 [C#]  
7 public ObsoleteAttribute(string message, bool error)
```

## 8 Summary

9 Constructs and initializes a new instance of the `System.ObsoleteAttribute` class with a  
10 `System.String` that contains suggested workarounds and a `System.Boolean` that  
11 indicates whether the compiler treats usage of the target of the current instance as an  
12 error.

## 13 Parameters

Parameter	Description
<i>message</i>	A <code>System.String</code> that contains suggested workarounds.
<i>error</i>	A <code>System.Boolean</code> that indicates whether the compiler treats usage of the target of the current instance as an error.

14

## 15 Description

16 Respectively, the `System.ObsoleteAttribute.Message` property and the  
17 `System.ObsoleteAttribute.IsError` property of the new instance are initialized as  
18 *message* and *error*.

19

# 1 ObsoleteAttribute.IsError Property

```
2 [ILAsm]  
3 .property bool IsError { public hidebysig specialname instance bool  
4 get_IsError() }  
5 [C#]  
6 public bool IsError { get; }
```

## 7 Summary

8 Gets a `System.Boolean` that indicates whether the compiler treats usage of the target of  
9 the current instance as an error.

## 10 Property Value

11 `true` if the compiler treats usage of the target of the current instance as an error;  
12 otherwise, `false`.

## 13 Description

14 This property is read-only.

15  
16 The default value of this property is `false`.

17

# 1 ObsoleteAttribute.Message Property

```
2 [ILAsm]  
3 .property string Message { public hidebysig specialname instance string  
4 get_Message() }  
  
5 [C#]  
6 public string Message { get; }
```

## 7 Summary

8 Gets a `System.String` that contains suggested workarounds for the target of the  
9 current instance.

## 10 Property Value

11 A `System.String` that contains suggested workarounds for the target of the current  
12 instance.

## 13 Description

14 This property is read-only.

15  
16 The current instance contains a suggested workaround message if and only if such a  
17 message was specified when the current instance was constructed. If no workaround  
18 was specified for the current instance, the value of this property is `null`.

19