

1 System.Runtime.CompilerServices.MethodImplAttribute Class

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

8 Assembly Info:

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

14 Type Attributes:

- 15 • AttributeUsageAttribute(AttributeTargets.Constructor | AttributeTargets.Method,
16 AllowMultiple=false, Inherited=false)

17 Summary

18 Specifies the details of how a method is implemented.

19 Inherits From: System.Attribute

20 **Library:** RuntimeInfrastructure

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

26 Description

27 Compilers are required to not preserve this type in metadata as a custom attribute.
28 Instead, compilers are required to emit it directly in the file format, as described in
29 Partition II of the CLI Specification. Metadata consumers, such as the Reflection API, are
30 required to retrieve this data from the file format and return it as if it were a custom
31 attribute.

32
33 [*Note:* This class uses the `System.Runtime.CompilerServices.MethodImplOptions`
34 enumeration to describe the implementation details of methods. For most languages, it
35 is recommended that the notions of "forward" and "synchronized" be attached to
36 methods using language syntax instead of custom attributes.]
37
38

1
2 **MethodImplAttribute(System.Runtime.CompilerServices.MethodImplOptions) Constructor**
3

```
4 [ILAsm]  
5 public rtspecialname specialname instance void .ctor(valuetype  
6 System.Runtime.CompilerServices.MethodImplOptions methodImplOptions)  
  
7 [C#]  
8 public MethodImplOptions(MethodImplOptions methodImplOptions)
```

9 **Summary**

10 Constructs and initializes a new instance of the
11 System.Runtime.CompilerServices.MethodImplOptions class using the specified
12 System.Runtime.CompilerServices.MethodImplOptions value.

13 **Parameters**

Parameter	Description
<i>methodImplOptions</i>	A System.Runtime.CompilerServices.MethodImplOptions value that specifies a property of the method attributed by the current instance.

14
15

1 MethodImplAttribute(System.Int16)

2 Constructor

```
3 [ILAsm]  
4 public rtspecialname specialname instance void .ctor(int16 value)  
  
5 [C#]  
6 public MethodImplAttribute(short value)
```

7 Summary

8 Constructs and initializes a new instance of the MethodImplAttribute class with the
9 specified System.Int16 value interpreted as a
10 System.Runtime.CompilerServices.MethodImplOptions value.

11 Parameters

Parameter	Description
<i>value</i>	A System.Int16 that is interpreted as a bit-field that represents the desired System.Runtime.CompilerServices.MethodImplOptions value, which specifies a property of the method attributed by the current instance.

12

13

1 MethodImplAttribute() Constructor

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

6 Summary

7 Constructs a new instance of the MethodImplAttribute class.

8

1 MethodImplOptions.Value Property

```
2 [ILAsm]  
3 .property valuetype System.Runtime.CompilerServices.MethodImplOptions  
4 Value { public hidebysig specialname instance valuetype  
5 System.Runtime.CompilerServices.MethodImplOptions get_Value() }  
  
6 [C#]  
7 public MethodImplOptions Value { get; }
```

8 Summary

9 Gets the System.Runtime.CompilerServices.MethodImplOptions value describing the
10 method attributed by the current instance.

11 Property Value

12 The System.Runtime.CompilerServices.MethodImplOptions value describing the
13 method attributed by the current instance.

14 Description

15 This property is read-only.

16