

System.Runtime.CompilerServices.MethodImplAttribute Class

```
[ILAsm]  
.class public sealed serializable MethodImplAttribute extends  
System.Attribute  
  
[C#]  
public sealed class MethodImplAttribute: Attribute
```

Assembly Info:

- *Name:* mscorlib
- *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00 00]
- *Version:* 2.0.x.x
- *Attributes:*
 - CLSCompliantAttribute(true)

Type Attributes:

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

Summary

Specifies the details of how a method is implemented.

Inherits From: System.Attribute

Library: RuntimeInfrastructure

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

Description

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

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

MethodImplAttribute(System.Runtime.CompilerServices.MethodImplOptions) Constructor

```
[ILAsm]
public rtspecialname specialname instance void .ctor(valuetype
System.Runtime.CompilerServices.MethodImplOptions methodImplOptions)

[C#]
public MethodImplAttribute(MethodImplOptions methodImplOptions)
```

Summary

Constructs and initializes a new instance of the `System.Runtime.CompilerServices.MethodImplAttribute` class using the specified `System.Runtime.CompilerServices.MethodImplOptions` value.

Parameters

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

MethodImplAttribute(System.Int16)

Constructor

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

Summary

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

Parameters

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

MethodImplAttribute() Constructor

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

Summary

Constructs a new instance of the `MethodImplAttribute` class.

MethodImplOptions.Value Property

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

Summary

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

Property Value

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

Description

This property is read-only.