System.Reflection.MethodAttributes Enum

[ILAsm]
```
.class public sealed serializable MethodAttributes extends System.Enum
```

[C#]
```
public enum MethodAttributes
```

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)

Summary

Specifies flags for method attributes.

Inherits From: System.Enum

Library: Reflection

Description

This enumeration is used by the `System.Reflection.MethodBase.Attributes` property.

MethodAttributes.Abstract Field

[ILAsm]

```
.field public static literal valuetype System.Reflection.MethodAttributes
Abstract = 1024
```

[C#]

```
Abstract = 1024
```

Summary

Specifies that the type that declares the method does not provide an implementation.

MethodAttributes.Assembly Field

[ILAsm]

```
.field public static literal valuetype System.Reflection.MethodAttributes
Assembly = 3
```

[C#]

```
Assembly = 3
```

Summary

Specifies that the method is accessible throughout the assembly.

MethodAttributes.FamANDAssem Field

[ILAsm]

```
.field public static literal valuetype System.Reflection.MethodAttributes
FamANDAssem = 2
```

[C#]

```
FamANDAssem = 2
```

Summary

Specifies that the method is accessible only to members of the type that defines the method and its subclasses in the assembly that contains the defining type.

MethodAttributes.Family Field

[ILAsm]

```
.field public static literal valuetype System.Reflection.MethodAttributes
Family = 4
```

[C#]

```
Family = 4
```

Summary

Specifies that the method is accessible only to the members of the type that defines it and its subclasses.

MethodAttributes.FamORAssem Field

[ILAsm]

```
.field public static literal valuetype System.Reflection.MethodAttributes
FamORAssem = 5
```

[C#]

```
FamORAssem = 5
```

Summary

Specifies that the method is accessible to members of the type that defines the method and its subclasses, and throughout the assembly.

MethodAttributes.Final Field

[ILAsm]

```
.field public static literal valuetype System.Reflection.MethodAttributes Final = 32
```

[C#]

```
Final = 32
```

Summary

Specifies that the method cannot be overridden.

MethodAttributes.HideBySig Field

[ILAsm]

```
.field public static literal valuetype System.Reflection.MethodAttributes
HideBySig = 128
```

[C#]

```
HideBySig = 128
```

Summary

Specifies that the method is hidden by name and signature.

[*Note:* A method that is not hidden by name and signature is hidden by name only.]

MethodAttributes.MemberAccessMask Field

[ILAsm]

```
.field public static literal valuetype System.Reflection.MethodAttributes
MemberAccessMask = 7
```

[C#]

```
MemberAccessMask = 7
```

Summary

Specifies a bit-mask that, when combined with the attributes of a method using the logical AND operator, yields the bits that specify the accessibility of a method.

MethodAttributes.NewSlot Field

[ILAsm]

```
.field public static literal valuetype System.Reflection.MethodAttributes
NewSlot = 256
```

[C#]

```
NewSlot = 256
```

Summary

Specifies that the method always gets a new slot in the v-table.

MethodAttributes.PinvokeImpl Field

[ILAsm]

```
.field public static literal valuetype System.Reflection.MethodAttributes
PinvokeImpl = 8192
```

[C#]

```
PinvokeImpl = 8192
```

Summary

Specifies that the method implementation is forwarded through PInvoke (Platform Invocation Services).

MethodAttributes.Private Field

[ILAsm]

```
.field public static literal valuetype System.Reflection.MethodAttributes
Private = 1
```

[C#]

```
Private = 1
```

Summary

Specifies that the method is accessible only to members in the defining type.

MethodAttributes.PrivateScope Field

[ILAsm]

```
.field public static literal valuetype System.Reflection.MethodAttributes
PrivateScope = 0
```

[C#]

```
PrivateScope = 0
```

Summary

Specifies that the member cannot be referenced.

MethodAttributes.Public Field

```
[ILAsm]
.field public static literal valuetype System.Reflection.MethodAttributes
Public = 6

[C#]
Public = 6
```

Summary

Specifies that the method is accessible to members of any type.

MethodAttributes.ReuseSlot Field

```
[ILAsm]
.field public static literal valuetype System.Reflection.MethodAttributes
ReuseSlot = 0

[C#]
ReuseSlot = 0
```

Summary

Specifies that the method will reuse an existing slot in the v-table.

[*Note:* This is the default behavior.]

MethodAttributes.SpecialName Field

[ILAsm]

```
.field public static literal valuetype System.Reflection.MethodAttributes
SpecialName = 2048
```

[C#]

```
SpecialName = 2048
```

Summary

Specifies that the method is treated in a special way by some tools.

[*Note:* For more information on special names, see Partition I of the CLI Specification.

For more information on `SpecialName` in metadata, see Partition II of the CLI Specification.

]

MethodAttributes.Static Field

```
[ILAsm]
.field public static literal valuetype System.Reflection.MethodAttributes
Static = 16

[C#]
Static = 16
```

Summary

Specifies that the method is invoked on the defining type.

[*Note:* For method invocation, the target of a static method is a `System.Type` object that represents the type where the method is defined.]

MethodAttributes.Virtual Field

[ILAsm]

```
.field public static literal valuetype System.Reflection.MethodAttributes
Virtual = 64
```

[C#]

```
Virtual = 64
```

Summary

Specifies that the method is virtual.

MethodAttributes.VtableLayoutMask Field

```
[ILAsm]
.field public static literal valuetype System.Reflection.MethodAttributes
VtableLayoutMask = 256

[C#]
VtableLayoutMask = 256
```

Summary

Specifies a bit-mask that, when combined with the attributes of a method using the logical AND operator, yields the v-table attributes of a method.