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:* 1.0.x.x
- *Attributes:*
    - o 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.