

System.Reflection.CallingConventions Enum

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

[C#]
public enum CallingConventions
```

Assembly Info:

- *Name:* mscorlib
- *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00 00]
- *Version:* 4.0.0.0
- *Attributes:*
 - CLSCompliantAttribute(true)

Type Attributes:

- System.Flags

Summary

Defines the valid calling conventions for a method.

Inherits From: System.Enum

Library: RuntimeInfrastructure

Description

The native calling convention is the set of rules governing the order and layout of arguments passed to compiled methods. It also governs how to pass the return value, what registers to use for arguments, and whether the called or the calling method removes arguments from the stack.

CallingConventions.Any Field

```
[ILAsm]  
.field public static literal valuetype  
System.Reflection.CallingConventions Any = int32(0x00000003)  
  
[C#]  
Any
```

Summary

Specifies that either the Standard or the VarArgs calling convention may be used.

CallingConventions.ExplicitThis Field

```
[ILAsm]  
.field public static literal valuetype  
System.Reflection.CallingConventions ExplicitThis = int32(0x00000040)  
  
[C#]  
ExplicitThis
```

Summary

Specifies that the signature is a function-pointer signature, representing a call to an instance or virtual method (not a static method). If `ExplicitThis` is set, `HasThis` must also be set. The first argument passed to the called method is still a `this` pointer, but the type of the first argument is now unknown. Therefore, a token that describes the type (or class) of the `this` pointer is explicitly stored into its metadata signature.

CallingConventions.HasThis Field

```
[ILAsm]  
.field public static literal valuetype  
System.Reflection.CallingConventions HasThis = int32(0x00000020)  
  
[C#]  
HasThis
```

Summary

Specifies an instance or virtual method (not a static method). At run-time, the called method is passed a pointer to the target object as its first argument (the `this` pointer). Unless `ExplicitThis` is also set, the signature stored in metadata does not include the type of this first argument, because the method is known and its owner class can be discovered from metadata.

CallingConventions.Standard Field

```
[ILAsm]  
.field public static literal valuetype  
System.Reflection.CallingConventions Standard = int32(0x00000001)  
  
[C#]  
Standard
```

Summary

Specifies the default calling convention as determined by the common language infrastructure. Use this calling convention for static methods. For instance or virtual methods use `HasThis`.

CallingConventions.VarArgs Field

```
[ILAsm]  
.field public static literal valuetype  
System.Reflection.CallingConventions VarArgs = int32(0x00000002)  
  
[C#]  
VarArgs
```

Summary

Specifies the calling convention for methods with variable arguments.