System.Reflection.MethodInfo Class

```
[ILASM]
.class public abstract serializable MethodInfo extends
System.Reflection.MethodBase

[C#]
public abstract class MethodInfo: MethodBase
```

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

Provides access to method metadata.

Inherits From: System.Reflection.MethodBase

Library: Reflection

Thread Safety: This type is safe for multithreaded operations.

1 MethodInfo() Constructor

```
[ILASM]
family rtspecialname specialname instance void .ctor()


[C#]
protected MethodInfo()
```

Summary

Constructs a new instance of the **System.Reflection.MethodInfo** class.

MethodInfo.GetBaseDefinition() Method

```
[ILASM]
.method public hidebysig virtual abstract class
System.Reflection.MethodInfo GetBaseDefinition()

[C#]
public abstract MethodInfo GetBaseDefinition()
```

Summary

Returns a new **System.Reflection.MethodInfo** instance that reflects the first definition of the method reflected by the current instance in the inheritance hierarchy of that method.

Return Value

A new **System.Reflection.MethodInfo** instance that reflects the first definition of the method reflected by the current instance in the inheritance hierarchy of that method.

Behaviors

System.Reflection.MethodInfo.GetBaseDefinition proceeds along the inheritance hierarchy of the method reflected by the current instance, returning a **System.Reflection.MethodInfo** instance that reflects the first definition in the hierarchy of that method.

The method declaration to be reflected by the new **System.Reflection.MethodInfo** instance is determined as follows:

- If the method reflected by the current instance overrides a virtual definition in the base class, the virtual definition is reflected.

- If the method reflected by the current instance is specified with the **new** keyword, the current instance is returned.

- If the method reflected by the current instance is not defined in the type of the object on which **System.Reflection.MethodInfo.GetBaseDefinition** is called, the method definition of the furthest ancestor in the class hierarchy is reflected.

MethodInfo.ReturnType Property

```
[ILASM]
.property class System.Type ReturnType { public hidebysig
virtual abstract specialname class System.Type
get_ReturnType() }

[C#]
public abstract Type ReturnType { get; }
```

Summary

Gets the type of the return value of the method reflected by the current instance.

Property Value

The **System.Type** of the return value of the method reflected by the current instance. This property is equal to the **System.Type** object representing **System.Void** if the return value of the method is **void**.

Behaviors

This property is read-only.