

# System.Reflection.GenericParameterAttributes Enum

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

[C#]
public enum GenericParameterAttributes
```

## 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:

- FlagsAttribute

## Summary

Enumerates the attributes on a generic parameter.

## Inherits From: System.Enum

**Library:** Reflection

# GenericParameterAttributes.Contravariant Field

```
[ILAsm]  
.field public static literal valuetype  
System.Reflection.GenericParameterAttributes Contravariant = 0x2  
  
[C#]  
Contravariant = 0x2
```

## Summary

Specifies that the generic parameter is contravariant.

## GenericParameterAttributes.Covariant Field

```
[ILAsm]  
.field public static literal valuetype  
System.Reflection.GenericParameterAttributes Covariant = 0x1  
  
[C#]  
Covariant = 0x1
```

### Summary

Specifies that the generic parameter is covariant.

## GenericParameterAttributes.DefaultConstructorConstraint Field

```
[ILAsm]  
.field public static literal valuetype  
System.Reflection.GenericParameterAttributes DefaultConstructorConstraint  
= 0x10  
  
[C#]  
DefaultConstructorConstraint = 0x10
```

### Summary

Specifies that the generic parameter has the ".ctor" special constraint.

## GenericParameterAttributes.None Field

```
[ILAsm]  
.field public static literal valuetype  
System.Reflection.GenericParameterAttributes None = 0x0  
  
[C#]  
None = 0x0
```

### Summary

Specifies that the generic parameter is nonvariant and has no special constraints.

## GenericParameterAttributes.NotNullableValueTypeConstraint Field

```
[ILAsm]  
.field public static literal valuetype  
System.Reflection.GenericParameterAttributes  
NotNullableValueTypeConstraint = 0x8  
  
[C#]  
NotNullableValueTypeConstraint = 0x8
```

### Summary

Specifies that the generic parameter has the "valuetype" special constraint.

## GenericParameterAttributes.ReferenceTypeConstraint Field

```
[ILAsm]  
.field public static literal valuetype  
System.Reflection.GenericParameterAttributes ReferenceTypeConstraint = 0x4  
  
[C#]  
ReferenceTypeConstraint = 0x4
```

### Summary

Specifies that the generic parameter has the "class" special constraint.

## GenericParameterAttributes.SpecialConstraintMask Field

```
[ILAsm]  
.field public static literal valuetype  
System.Reflection.GenericParameterAttributes SpecialConstraintMask = 0x1C  
  
[C#]  
SpecialConstraintMask = 0x1C
```

### Summary

Specifies a bit-mask that when combined with a generic parameter's flags value yields the special constraints bits.



# GenericParameterAttributes.VarianceMask Field

```
[ILAsm]  
.field public static literal valuetype  
System.Reflection.GenericParameterAttributes VarianceMask = 0x3  
  
[C#]  
VarianceMask = 0x3
```

## Summary

Specifies a bit-mask that when combined with a generic parameter's flags value yields the variance bits.