

# System.Runtime.CompilerServices.DecimalConstantAttribute Class

```
[ILASM]
.class public sealed serializable DecimalConstantAttribute
extends System.Attribute

[C#]
public sealed class DecimalConstantAttribute: Attribute
```

## Assembly Info:

- *Name:* mscorlib
- *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- *Version:* 1.0.x.x
- *Attributes:*
  - CLSCompliantAttribute(true)

## Type Attributes:

- CLSCompliantAttribute(false)
- AttributeUsageAttribute(AttributeTargets.Field | AttributeTargets.Parameter, AllowMultiple=false, Inherited=false)

## Summary

Stores the value of a **System.Decimal** constant in metadata.

## Inherits From: System.Attribute

**Library:** RuntimeInfrastructure

**Thread Safety:** All public static members of this type are safe for multithreaded operations. No instance members are guaranteed to be thread safe.

## Description

[*Note:* This attribute can be applied to fields and parameters.

For more information on storing constants in metadata, see Partition II of the CLI Specification.

The types in **System.Runtime.CompilerServices** are intended primarily for use by compilers, not application programmers. They allow compilers to easily implement certain language features that are not directly visible to programmers.]

1 **DecimalConstantAttribute(System.Byte,**  
2 **System.Byte, System.UInt32,**  
3 **System.UInt32, System.UInt32)**  
4 **Constructor**

```
5 [ILASM]  
6 public rtspecialname specialname instance void  
7 .ctor(unsigned int8 scale, unsigned int8 sign, unsigned  
8 int32 hi, unsigned int32 mid, unsigned int32 low)  
9  
10 [C#]  
11 public DecimalConstantAttribute(byte scale, byte sign, uint  
12 hi, uint mid, uint low)
```

12 **Summary**

13 Constructs a new instance of the  
14 **System.Runtime.CompilerServices.DecimalConstantAttribute**  
15 class with the specified value.

16 **Parameters**

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Parameter	Description
<i>scale</i>	A <b>System.Byte</b> that specifies the number of digits to the right of the decimal point in the value of the new instance. Valid <i>scale</i> values are 0 through 28 inclusive.
<i>sign</i>	A <b>System.Byte</b> that specifies the sign of the value of the new instance. Zero indicates a positive value; any non-zero value indicates a negative value.
<i>hi</i>	A <b>System.UInt32</b> that specifies the high-order 32 bits of the value of the new instance.
<i>mid</i>	A <b>System.UInt32</b> that specifies the middle 32 bits of the value of the new instance.
<i>low</i>	A <b>System.UInt32</b> that specifies the low-order 32 bits of the value of the new instance.

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**Exceptions**

Exception	Condition
<b>System.ArgumentOutOfRangeException</b>	<i>scale</i> > 28.

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