

1 System.ThreadStaticAttribute Class

```
2 [ILAsm]  
3 .class public sealed serializable ThreadStaticAttribute extends  
4 System.Attribute  
  
5 [C#]  
6 public sealed class ThreadStaticAttribute: Attribute
```

7 Assembly Info:

- 8 • *Name:* mscorlib
- 9 • *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- 10 • *Version:* 2.0.x.x
- 11 • *Attributes:*
 - 12 ○ CLSCompliantAttribute(true)

13 Type Attributes:

- 14 • AttributeUsageAttribute(AttributeTargets.Field, AllowMultiple=false, Inherited=false)

15 Summary

16 Indicates that there is a unique instance of the designated static field for each thread.

17 Inherits From: System.Attribute

18

19 **Library:** BCL

20

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

23

24 Description

25 A static field marked with this attribute is not shared between threads. Each executing
26 thread has a separate instance of the field, and independently sets and gets values for
27 that field.

28

29 *[Note:* Do not specify initial values for fields marked with this attribute, because such
30 initialization occurs only once, when the class constructor executes, and therefore
31 affects only one thread. If you do not specify an initial value, you can rely on the field
32 being initialized to its default value if it is a value type, or to `null` if it is a reference
33 type.

34

35]

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1 ThreadStaticAttribute() Constructor

```
2 [ILAsm]  
3 public rtspecialname specialname instance void .ctor()  
4 [C#]  
5 public ThreadStaticAttribute()
```

6 Summary

7 Constructs and initializes a new instance of the `System.ThreadStaticAttribute` class.

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