

System.ThreadStaticAttribute Class

```
[ILAsm]
.class public sealed serializable ThreadStaticAttribute extends
System.Attribute

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

Assembly Info:

- *Name:* mscorlib
- *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- *Version:* 2.0.x.x
- *Attributes:*
 - CLSCompliantAttribute(true)

Type Attributes:

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

Summary

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

Inherits From: System.Attribute

Library: BCL

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

Description

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

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

]

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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