

System.Security.Permissions.CodeAccessSecurityAttribute Class

```
[ILASM]
.class public abstract serializable
CodeAccessSecurityAttribute extends
System.Security.Permissions.SecurityAttribute

[C#]
public abstract class CodeAccessSecurityAttribute :
SecurityAttribute
```

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:

- AttributeUsageAttribute(AttributeTargets.Assembly | AttributeTargets.Class | AttributeTargets.Struct | AttributeTargets.Constructor | AttributeTargets.Method, AllowMultiple=true, Inherited=false)

Summary

This is the base class for code access security attributes.

Inherits From: System.Security.Permissions.SecurityAttribute

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

[Note: The types that derive from **System.Security.Permissions.CodeAccessSecurityAttribute** are used to secure access to resources or securable operations.

The security information declared by a security attribute is stored in the metadata of the attribute target, and is accessed by the system at run-time. Security attributes are used for declarative security only.

1 Use the corresponding permission class derived from
2 **System.Security.CodeAccessPermission** for imperative security.]

3

1 CodeAccessSecurityAttribute()

2 Constructor

```
3 [ILASM]  
4 family specialname instance void .ctor()  
  
5 [C#]  
6 protected CodeAccessSecurityAttribute()
```

7 Summary

8 Constructs a new instance of the
9 **System.Security.Permissions.CodeAccessSecurityAttribute**
10 class.

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1 CodeAccessSecurityAttribute(System.Security.Permissions.SecurityAction)

2 Constructor

```
4 [ILASM]  
5 public rtspecialname specialname instance void  
6 .ctor(valuetype System.Security.Permissions.SecurityAction  
7 action)  
8 [C#]  
9 public CodeAccessSecurityAttribute(SecurityAction action)
```

10 Summary

11 Constructs and initializes a new instance of
12 **System.Security.Permissions.CodeAccessSecurityAttribute** with
13 the specified **System.Security.Permissions.SecurityAction** value.

14 Parameters

Parameter	Description
<i>action</i>	A System.Security.Permissions.SecurityAction value.

17 Exceptions

Exception	Condition
System.ArgumentException	<i>action</i> is not a valid System.Security.Permissions.SecurityAction value.

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